

# INDUSTRIAL PRODUCT CATALOG



ISSUE DATE: JULY 2026

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**IPEX**  
by aliaxis

**We build tough products for tough environments®**



# Committed to EXCELLENCE

As one of the world's leading supplier of thermoplastic pipe, valves, fittings and related products for industrial, municipal, electrical, plumbing and mechanical applications, IPEX USA LLC offers a comprehensive range of integrated solutions to meet the needs of engineers and contractors in commercial, institutional, industrial and residential construction.





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# INDUSTRIAL EASY SPEC

| PRODUCT                                                        | SIZE RANGE                                                                                          | STANDARDS *                                                                                                                                                                                                                                                                                                                                                                                                                  | APPLICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PROCESS PIPING SYSTEMS</b>                                  |                                                                                                     | * Consult IPEX literature for individual product listings                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Xirtec® PVC<br>Schedule 40 & 80                                | 1/4" - 24"                                                                                          |   <br>                                                                                   | Designed to meet the temperature, pressure and flow requirements of piping systems used in chemical processes, and other industrial applications. Applications include: Plant chemical distribution lines, water and waste water, acid systems for refineries, pickling lines and plating shops, chlorine injections, chlorine dioxide and chloralkali plant piping, steel wire plant, irrigation systems, pharmaceutical, and waterworks etc.                                |
| Xirtec CPVC® made with<br>Corzan® CPVC<br>Schedule 40 & 80     | 1/2" - 16"                                                                                          |   <br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clear-Guard™<br>Clear PVC Schedule 40                          | 1/2" - 8"                                                                                           |                                                                                                                                                                           | Clear-Guard double containment for high purity piping, leak detection, agricultural & aquacultural, chemical processing/ blending, healthcare/hospital use, laboratories, environmental, sight gauge assemblies, display/exhibits, and food and beverage processing.                                                                                                                                                                                                          |
| Enpure™ High Purity PP<br>Schedule 40 & 80                     | 1/2" - 4"                                                                                           |                                                                                                                                                                                                                                                            | Food processing, hospitals, laboratories, universities, biotechnology, research facilities, chemical manufacturing, photographic chemical processing, effluent treatment, water treatments, and pharmaceutical manufacturing.                                                                                                                                                                                                                                                 |
| Duraplus™ ABS Industrial                                       | 1/2" - 8"                                                                                           |                                                                                                                                                                                                                                                            | Chilled water/HVAC, Off shore applications, Mining and Secondary loop refrigeration.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>DOUBLE CONTAINMENT SYSTEMS</b>                              |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Guardian™ Vinyl<br>PVC & CPVC                                  | PVC: Carrier 1/2" - 12"<br>Containment 2" - 18"<br>CPVC: Carrier 1/2" - 12"<br>Containment 2" - 18" |                                                                                                                                                                                                                                                                                                                                            | Plant chemical distribution lines, water and wastewater, acid systems for refineries, pickling lines and plating shops, chlorine injection, chlorine dioxide and chloralkali plant piping, steel wire plants, battery manufacturing, bleach lines, alum and caustic handling systems, semiconductor, overhead piping for personnel/ property/equipment protection, and hazardous waste systems. Xirtec PVC and Xirtec CPVC are the chosen materials for the Guardian systems. |
| Drain-Guard™ PVC DWV                                           | Carrier: 1-1/2" - 12"<br>Containment 4" - 16"                                                       |                                                                                                                                                                                                                                                                                                                                           | Healthcare/Hospital Use, laboratory applications, high-tech and data storage environments (network & server rooms etc.), museums and libraries, historical sites, theaters, restaurants (public areas), and residential buildings. Xirtec is the chosen material for the Drain-Guard system.                                                                                                                                                                                  |
| Clear-Guard™ PVC                                               | PVC Sch 40 Carrier:<br>1/2" - 4"<br>Containment 2" - 8"                                             |                                                                                                                                                                                                                                                                                                                                           | Plant chemical distribution lines, pharmaceutical, semiconductor, water and wastewater, and overhead piping for personnel/ property/equipment protection. Each containment piping system shall consist of Xirtec PVC or Xirtec CPVC primary piping system supported within a Clear-Guard Schedule 40 clear PVC secondary containment housing.                                                                                                                                 |
| CustomGuard®<br>(Dissimilar Materials)                         | FRP/Metals/Dissimilar:<br>Carrier 1/2" - 20"<br>Containment 2" - 26"                                |                                                                                                                                                                                                                                                                                                                                                                                                                              | Plant chemical distribution lines, water and wastewater, acid systems for refineries, pickling lines and plating shops, battery manufacturing, alum and caustic handling systems, pharmaceutical, generator back-up, semiconductor, and hazardous waste systems. Custom-designed and fabricated double containment systems including dissimilar material.                                                                                                                     |
| Encase™ Acid Waste PP                                          | PP: Carrier 1-1/2" - 8"<br>Containment 4" - 12"                                                     |                                                                                                                                                                                                                                                                                                                                           | Corrosive chemical waste for university laboratories, schools, hospitals and industrial plants, and pharmaceuticals facilities.                                                                                                                                                                                                                                                                                                                                               |
| Centra-Guard™ Low Point<br>Leak Detection Monitoring<br>System |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              | Above-ground suspended pipeline applications with sensors housed in a saddle type clamp, underground pipeline systems with drip leg assembly.                                                                                                                                                                                                                                                                                                                                 |
| IPEX PAL-AT Cable<br>Leak Detection Monitoring<br>System       | NOT available in Canada                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                              | Ideal for buried double containment piping applications that require exact leak location.                                                                                                                                                                                                                                                                                                                                                                                     |

| PRODUCT                                    | SIZE RANGE                                    | STANDARDS *                                                                                                                                                                                                                                                                                                                                     | APPLICATIONS                                                                                                                                                                                                                            |
|--------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CORROSIVE ACID WASTE PIPING SYSTEMS</b> |                                               |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                         |
| Enfield™ Electrofusion Joint PP            | 1-1/2" - 12"                                  |                                                                                              | Corrosive chemical waste for university laboratories, schools, hospitals, industrial plants, and pharmaceuticals facilities.                                                                                                            |
| Labline® Mechanical Joint PP               | 1-1/2" - 4"                                   |                                                                                              |                                                                                                                                                                                                                                         |
| Plenumline™ Mechanical Joint PVDF          | 1-1/2" - 4"                                   |                                                                                              | Corrosive chemical waste for challenging conditions, highly restrictive return air plenum applications, and high-temperature corrosive chemical waste situations.                                                                       |
| Floway™ Floor Drains PP                    | 2" - 6"                                       |                                                                                                                                                                                                                                                                                                                                                 | For efficiently managing chemical spills; designed to feed into IPEX acid waste systems.                                                                                                                                                |
| Neutratanke® PP or PE Neutralization Tanks | 1-1/2" - 6"                                   |                                                                                                                                                                                                                                                                                                                                                 | Corrosive retention tank (with limestone) for the neutralization of chemical waste prior to discharge into the sewer.                                                                                                                   |
| Neutrasystem2™ pH Monitoring System        | 110/120 VAC input<br>24V DC operating voltage |                                                                                                                                                                               | Monitoring pH discharge levels for Neutratanke.                                                                                                                                                                                         |
| <b>COMPRESSED AIR SYSTEMS</b>              |                                               |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                         |
| Duraplus™ Airline                          | 1/2" - 4"<br>NOT available in Canada          |                                                                                                                                                                                                                                                               | Plant air, ventilation, and valve actuation.                                                                                                                                                                                            |
| Duratec® Airline                           | 1/2" - 1"                                     |     | Plant air, inert gas distribution, manufacturing hand tool operation, manual and automated welding operations, semi-conductor tool hook up, valve actuation - control systems, microbulk inert gas delivery, and robotic installations. |
| <b>SPECIALTY PRODUCTS</b>                  |                                               |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                         |
| Ventilation Duct (PVC & CPVC)              | PVC: 6" - 24"<br>CPVC: 6" - 16"               |                                                                                        | Industrial venting systems.                                                                                                                                                                                                             |
| PVC Well Casing                            | 2" - 16"                                      |                                                                                                                                                                           | Well drop-pipe, and submersible pumps.                                                                                                                                                                                                  |
| Roll Grooved PVC Pipe Schedule 40 & 80     | 2" - 12"                                      |                                                                                                                                                                                                                                                                                                                                                 | Can be used in any application where PVC pipe is acceptable and where it is desirable to have a quick assembly under adverse conditions.                                                                                                |

# INDUSTRIAL EASY SPEC

## THERMOPLASTIC VALVES

| PRODUCT                      | SIZE RANGE        | UP TO PRESSURE *                                                        | APPLICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------|-------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BALL VALVES                  |                   | * Consult IPEX literature for specific pressure ratings                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| VKD Series †                 | 3/8" – 4"         | 232 psi @ 73°F (1600 kPa @ 23°C)                                        | Ball valves are generally used for on/off service, but can range from simple molded-in-place construction to high-end industrial designs with many features and benefits. Multi-port ball valves allow for mixing, diverting, and bypassing flow.                                                                                                                                                                                                          |
| EasyFit VXE Series †         | 1/2" – 6"         |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| EasyFit VEE Series           | 1/2" – 4"         | 150 psi @ 73°F (1034 kPa @ 23°C)                                        | Multi-port ball valves allow for mixing, diverting, and bypassing flow. Extensive material options provide for complete chemical compatibility in highly corrosive processes. Many ball valves feature full port flow, blocking true union ends, and compact ergonomic designs allowing for simple installation and maintenance.                                                                                                                           |
| MP Series                    | 1/2" – 2"         |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| TKD Series 3-Way †           | 1/2" – 2"         |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| VKR Series Regulating †      | 1/2" – 2"         |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Vented VKD Series †          | 3/8" – 4"         |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Vented Easyfit VXE Series †  | 3/8" – 6"         | 232 psi @ 73°F (1600 kPa @ 23°C)                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BUTTERFLY VALVES             |                   | * Consult IPEX literature for specific pressure ratings                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| FK Series †                  | 1-1/2" – 16"      | 150 psi @ 73°F (1034 kPa @ 23°C)                                        | These highly versatile valves can be used for simple on/off service but also for processes requiring throttling.                                                                                                                                                                                                                                                                                                                                           |
| FK Series Lugged †           | 2-1/2" – 12"      |                                                                         | End-of-line installation of the lugged version allows for downstream piping disassembly with the upstream system still under pressure. The extensive size range and material availability make them applicable in a wide range of applications. With simple, direct mounting for actuation, automated process control can be easily achieved.                                                                                                              |
| FE Series †                  | 1-1/2" – 12"      |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| FX Series †                  | 1-1/2" – 12"      |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DIAPHRAGM VALVES             |                   | * Consult IPEX literature for specific pressure ratings                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DK Series                    | 1/2" – 2-1/2"     | 150 psi @ 73°F (1034 kPa @ 23°C)                                        | Diaphragm valves are ideal for processes requiring precise flow throttling. The weir style design – no dead space in the valve – is extremely good for abrasive slurries, high purity water and potentially off gassing chemicals such as sodium hypochlorite. Styles range from compact and direct acting to high end industrial design with many features and benefits. Diaphragm valves are available in both manual operation and pneumatic operators. |
| VM Series                    | 3" & 4"           |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DV Series                    | 1/2" – 6"         |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CM Series Compact            | 1/2" – 3/4"       | 90 psi @ 73°F (621 kPa @ 23°C)                                          | These valves are widely used in high purity applications because their design prevents friction and subsequent particle creation when cycling. Many body and diaphragm material options are available as well as simple pneumatic actuation.                                                                                                                                                                                                               |
| CM Series Compact Pneumatic  | 1/2" – 3/4"       |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DKD Series                   | 1/2" – 2"         | 115 psi @ 73°F (793 kPa @ 23°C) depending on available control pressure |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CHECK & VENT VALVES          |                   | * Consult IPEX literature for specific pressure ratings                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SXE Series Ball              | 1/2" – 4"         | 232 psi @ 73°F (1600 kPa @ 23°C)                                        | Check valves should be used whenever there is a need to prevent back-flow of process media. IPEX offers high efficiency ball and piston checks as well as heavy duty swing check valves.                                                                                                                                                                                                                                                                   |
| SSE Series Spring Assisted   | 1/2" – 4"         |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| VR Series Piston             | 1/2" – 4"         | 232 psi (1600 kPa) depending on size                                    | Many styles exist including: simple ball checks, heavy duty swing checks, and highly efficient piston checks. These valves are typically gravity operated and require very little back pressure to seal. Air release valves safely allow any entrapped air or gas to escape, avoiding damage to the piping system.                                                                                                                                         |
| SC Series Swing              | 3" – 8"           | 100 psi (690 kPa) depending on size                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| VA Series Air Release        | 3/4", 1-1/4" & 2" | 232 psi (1600 kPa)                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SPECIALTY VALVES             |                   | * Consult IPEX literature for specific pressure ratings                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RV Series Sediment Strainers | 1/2" – 4"         | 232 psi (1600 kPa) depending on size                                    | Sediment strainers trap suspended particles flowing in the process line, ensuring that downstream components are protected.                                                                                                                                                                                                                                                                                                                                |
| S12/22 Series 2-Way Solenoid | 1/4" – 1/2"       | 90 psi (621 kPa)                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| VV Angle Seat                | 1/2" – 2"         |                                                                         | Solenoids are ideal for high-cycle applications where remote operation and precise control are important.                                                                                                                                                                                                                                                                                                                                                  |
| LV Series Lab                | 1/4"              | 150 psi @ 73°F (1034 kPa @ 23°C)                                        | Lab cock valves are an economical solution for small scale on/off requirements.                                                                                                                                                                                                                                                                                                                                                                            |
| VALVE ACTUATION              |                   | * Consult IPEX literature for specific pressure ratings                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

Automation is an ideal solution for precise control of many valves in a system. When valves are remotely located, or the process requires constant monitoring and adjustment, actuation is the solution.

Pneumatic and electric actuators can be easily fitted on our ball, multi-port, and butterfly valves. IPEX offers quarter turn automation solutions for valves from 3/8" to 12" with a variety of standard and optional accessories.

† Pneumatic and Electric Actuation is available

# PHYSICAL PROPERTIES

PVC (POLYVINYL CHLORIDE) CPVC (CHLORINATED POLYVINYL CHLORIDE)

| PROPERTIES                                                        | MATERIALS       |                           |                              | STANDARDS     |
|-------------------------------------------------------------------|-----------------|---------------------------|------------------------------|---------------|
|                                                                   | PVC             | XIRTEC CPVC<br>(STANDARD) | XIRTEC CPVC<br>(HIGH IMPACT) |               |
| Cell classification                                               | 12454           | 23447                     | 24448                        | ASTM D1784    |
| Specific gravity                                                  | 1.42            | 1.50                      | 1.51                         | ASTM D792     |
| Tensile strength, psi at 73°F                                     | 7,000           | 7,500                     | 7,320                        | ASTM D638     |
| Modulus of elasticity tensile, psi at 73°F                        | 400,000         | 380,000                   | 423,000                      | ASTM D638     |
| Flexural strength, psi                                            | 14,500          | 11,400                    | 13,200                       | ASTM D790     |
| Izod impact, ft.lbs./in. at 73°F, notched                         | 0.65            | 2.0                       | 10.0                         | ASTM D256     |
| Compressive strength, psi                                         | 9,000           | 10,100                    | 10,100                       | ASTM D695     |
| Poisson's ratio                                                   | 0.38            | 0.33                      | 0.33                         |               |
| Working stress, psi at 73°F                                       | 2,000           | 2,000                     | 2,000                        |               |
| Coefficient of thermal expansion in./in./°F (x 10 <sup>-5</sup> ) | 3.0             | 3.8                       | 3.4                          | ASTM D696     |
| Linear expansion, in./10°F per 100' of pipe                       | 0.36            | 0.44 - 0.46               | 0.41                         |               |
| Maximum operating temperature under pressure                      | 140°F (60°C)    | 200°F (93°C)              | 200°F (93°C)                 |               |
| Deflection temperature under load, °F at 66 psi                   | 173             | n/a                       | n/a                          | ASTM D648     |
| Deflection temperature under load, °F at 264 psi                  | 160             | 212                       | 239                          | ASTM D648     |
| Thermal conductivity, BTU.in./hr.ft².°F                           | 1.2             | 0.95                      | 0.95                         | ASTM C177     |
| Burning rate                                                      | Self extinguish | Self extinguish           | Self extinguish              | ASTM D635     |
| Burning class                                                     | V-0             | V-0                       | V-0                          | UL-94         |
| Flash ignition, °F                                                | 730             | 900                       | 900                          |               |
| Limited oxygen index (%)                                          | 43              | 60                        | 60                           | ASTM D2863-70 |
| Water absorption, %, (24 hrs. at 73°F)                            | 0.05            | 0.03                      | 0.03                         | ASTM D570     |

\* The properties listed in this table represent general material properties and should be used as a guideline only.

# IPEX TECHNICAL MANUALS available at [ipexna.com](http://ipexna.com)

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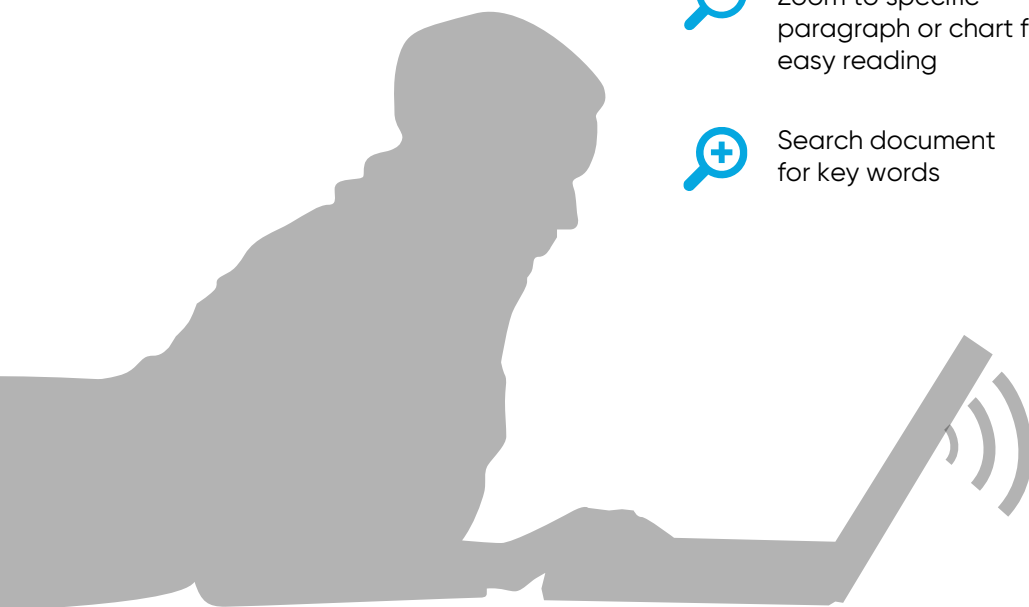
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IPEX offers a comprehensive range of integrated process piping systems – pipe, fittings and valves in PVC, CPVC, Polypropylene and ABS – designed to meet the temperature, pressure and size requirements of a wide range of chemical processing and similar industrial applications.

In addition to costing less than common and exotic metal systems, IPEX thermoplastic process piping systems are lightweight, as well as easy to handle, store, cut and join, so transportation and installation cost are substantially lower.

When you specify a high-performance process piping system from IPEX, you get the added benefits of a complete piping solution that is engineered for total integration, and backed by comprehensive, coast-to-coast support – all from one reliable source.

# PROCESS PIPING SYSTEMS



Xirtec® PVC & Xirtec® CPVC  
made with Corzan® CPVC

10

Clear-Guard Clear PVC Pipe

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Enpure High Purity

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Duraplus ABS Industrial

44

# XIRTEC® PVC & XIRTEC® CPVC MADE WITH CORZAN® CPVC

PVC Sch 40 – 1/2" – 24"  
PVC Sch 80 – 1/4" – 24"  
CPVC Sch 40 & 80 – 1/2" – 16"

## Xirtec® PVC

## Xirtec® CPVC made with Corzan® CPVC

### THE IPEX SYSTEM ADVANTAGE

IPEX vinyl process piping systems; a complete line of pipe, fittings and valves to meet all your process system requirements.

IPEX developed the Xirtec® PVC and Xirtec® CPVC made with Corzan® CPVC systems to meet industry demands for a complete Pipe, Valves and Fittings (PVF) package that is designed, produced and backed by a single manufacturer. These systems are engineered and manufactured to IPEX's strict quality, performance and dimensional standards, and therefore eliminate the problems inherent in purchasing and installing piping system components manufactured by several different companies.

IPEX high-performance vinyl systems are designed to meet the temperature, pressure and size requirements of piping systems used in chemical processes and other industrial applications. They feature outstanding resistance to photodegradation, creep stress and immunity to oxidation, and are exceptionally suited for use with a wide range of acids, alcohols, salts and halogens. The perfect extended service, low maintenance alternative to common and exotic metal systems.

Xirtec PVC pipe and fittings and Xirtec CPVC pipe are available in Schedule 40 and 80 thicknesses. Xirtec CPVC fittings are available in Schedule 80 thicknesses.

### APPLICATIONS

- Plant chemical distribution lines
- Water and wastewater
- Acid systems for refineries, pickling lines and plating shops
- Chlorine injection, chlorine dioxide and chloralkali plant piping
- Steel wire plants
- Battery manufacturing
- Bleach lines in textile and paper mills
- Alum and caustic handling systems
- Circuit board manufacturing
- Semiconductor
- Pharmaceutical
- Cooling water and cooling tower systems
- Tailing and slurry lines
- Washwater recovery systems
- Plant water supply
- Brine and seawater systems
- Fish farming
- Waterworks
- Aquariums and swimming pools
- Irrigation systems in golf courses, greenhouses, etc.

### STANDARDS

#### XIRTEC PVC



ASTM D1785



CSA B137.3



pw

#### XIRTEC CPVC



ASTM F441



pw



CAN/ULC-S102.2

Caution: Do not use or test PVC or CPVC with compressed air or other gases including air-over-water boosters.

## ADVANTAGES

- ① Lower Installation Costs, Easy Handling**  
In addition to a lower material cost, Xirtec pipe can significantly reduce labor and transportation costs on a typical installation. The reason? They are lightweight, easily handled, stored, cut and joined.
- ② Extended Life**  
Xirtec PVC and Xirtec CPVC provide years of maintenance free service. Our materials will not rust, pit, scale or corrode on either interior or exterior surfaces. Thermoplastic piping systems in a variety of demanding industrial applications have operated successfully for over 45 years.
- ③ Superior Underground Performance**  
Xirtec PVC and Xirtec CPVC are immune to damage from naturally corrosive soil conditions as well as electrochemical and galvanic corrosion. This is particularly advantageous in underground installations where galvanic reaction often causes damage to metal piping products.
- ④ Exceptional Chemical Resistance**  
The IPEX vinyl systems, including pipe, valves and fittings, provide outstanding resistance to a wide range of chemicals such as most acids, alcohols, alkalis, salt solutions, halogens and more.
- ⑤ Improved Flow**  
Xirtec has a substantially lower Roughness Factor than metal and other materials, and since they do not rust, pit, scale or corrode, the interior walls remain smooth in virtually any service.
- ⑥ Potable Water Approved**  
Xirtec PVC (polyvinyl chloride) and Xirtec CPVC (chlorinated polyvinyl chloride) are suitable for use with potable water as listed with the National Sanitation Foundation (NSF) and CSA International.
- ⑦ Exceptional Temperature Range**  
IPEX vinyl systems are designed to meet a broad range of service temperatures. Xirtec PVC has a recommended maximum service temperature of 140°F (60°C) under pressure. Xirtec CPVC has a maximum service temperature of 200°F under pressure with occasional exposure to boiling water (212°F / 100°C) in drainage.
- ⑧ Lower Thermal Conductivity**  
With a low thermal conductivity factor, IPEX vinyl systems have less heat loss or gain, thus sustaining service temperature more efficiently than metal piping. As a result, pipe insulation is often not required.
- ⑨ Environmentally Responsible**  
With energy conservation a prime concern, you can rely on the fact that IPEX's manufacturing process for Xirtec piping materials require less than half the energy needed to produce the equivalent size of carbon steel or steel alloy materials.



### DID YOU KNOW?

One of the outstanding characteristics of PVC is its resistance to ignition. This is demonstrated by its flash point of 730°F, compared to 400°F for wood chips.

CPVC offers an even greater fire safety profile than PVC. CPVC's ignition resistance is demonstrated by its flash point of 900°F, with a low flame spread as well.

## PRODUCT SELECTION CHART

### PVC PIPE PRESSURE RATINGS

| Sizes             |               | Schedule 40 PVC            |               |                                 | Schedule 80 PVC            |               |                                 |
|-------------------|---------------|----------------------------|---------------|---------------------------------|----------------------------|---------------|---------------------------------|
| Diameter<br>(in.) | O.D.<br>(in.) | Wall<br>Thickness<br>(in.) | I.D.<br>(in.) | *Max. Pressure<br>73°F<br>(psi) | Wall<br>Thickness<br>(in.) | I.D.<br>(in.) | *Max. Pressure<br>73°F<br>(psi) |
| 1/4               | .540          | —                          | —             | —                               | .119                       | .302          | 1,130                           |
| 3/8               | .675          | —                          | —             | —                               | .126                       | .423          | 920                             |
| 1/2               | .840          | .109                       | .602          | 600                             | .147                       | .526          | 850                             |
| 3/4               | 1.050         | .113                       | .804          | 480                             | .154                       | .722          | 690                             |
| 1                 | 1.315         | .133                       | 1.029         | 450                             | .179                       | .936          | 630                             |
| 1-1/4             | 1.660         | .141                       | 1.360         | 370                             | .191                       | 1.255         | 520                             |
| 1-1/2             | 1.900         | .145                       | 1.590         | 330                             | .200                       | 1.476         | 470                             |
| 2                 | 2.375         | .154                       | 2.047         | 280                             | .218                       | 1.913         | 400                             |
| 2-1/2             | 2.875         | .203                       | 2.445         | 300                             | .276                       | 2.290         | 420                             |
| 3                 | 3.500         | .216                       | 3.042         | 260                             | .300                       | 2.864         | 370                             |
| 4                 | 4.500         | .237                       | 3.998         | 220                             | .337                       | 3.786         | 320                             |
| 6                 | 6.625         | .280                       | 6.031         | 180                             | .432                       | 5.709         | 280                             |
| 8                 | 8.625         | .322                       | 7.941         | 160                             | .500                       | 7.565         | 250                             |
| 10                | 10.750        | .365                       | 9.976         | 140                             | .593                       | 9.493         | 230                             |
| 12                | 12.750        | .406                       | 11.888        | 130                             | .687                       | 11.294        | 230                             |
| 14                | 14.000        | .438                       | 13.072        | 130                             | .750                       | 12.412        | 220                             |
| 16                | 16.000        | .500                       | 14.936        | 130                             | .843                       | 14.224        | 220                             |
| 18                | 18.000        | .562                       | 16.809        | 130                             | .937                       | 16.014        | 220                             |
| 20                | 20.000        | .593                       | 18.743        | 120                             | 1.031                      | 17.814        | 220                             |
| 24                | 24.000        | .687                       | 22.544        | 120                             | 1.218                      | 21.418        | 210                             |

### CPVC PIPE PRESSURE RATINGS

| Sizes             |               | Schedule 40 CPVC           |               |                                    | Schedule 80 CPVC           |               |                                    |                                     |
|-------------------|---------------|----------------------------|---------------|------------------------------------|----------------------------|---------------|------------------------------------|-------------------------------------|
| Diameter<br>(in.) | O.D.<br>(in.) | Wall<br>Thickness<br>(in.) | I.D.<br>(in.) | *Max.<br>Pressure<br>73°F<br>(psi) | Wall<br>Thickness<br>(in.) | I.D.<br>(in.) | *Max.<br>Pressure<br>73°F<br>(psi) | *Max.<br>Pressure<br>180°F<br>(psi) |
| 1/2               | .840          | .109                       | .602          | 600                                | .147                       | .526          | 850                                | 213                                 |
| 3/4               | 1.050         | .113                       | .804          | 480                                | .154                       | .722          | 690                                | 173                                 |
| 1                 | 1.315         | .133                       | 1.029         | 450                                | .179                       | .936          | 630                                | 158                                 |
| 1-1/4             | 1.660         | .141                       | 1.360         | 370                                | .191                       | 1.255         | 520                                | 130                                 |
| 1-1/2             | 1.900         | .145                       | 1.590         | 330                                | .200                       | 1.476         | 470                                | 118                                 |
| 2                 | 2.375         | .154                       | 2.047         | 280                                | .218                       | 1.913         | 400                                | 100                                 |
| 2-1/2             | 2.875         | .203                       | 2.445         | 300                                | .276                       | 2.290         | 420                                | 105                                 |
| 3                 | 3.500         | .216                       | 3.042         | 260                                | .300                       | 2.864         | 370                                | 93                                  |
| 4                 | 4.500         | .237                       | 3.998         | 220                                | .337                       | 3.786         | 320                                | 80                                  |
| 6                 | 6.625         | .280                       | 6.031         | 180                                | .432                       | 5.709         | 280                                | 70                                  |
| 8                 | 8.625         | .322                       | 7.941         | 160                                | .500                       | 7.565         | 250                                | 63                                  |
| 10                | 10.750        | .365                       | 9.976         | 140                                | .593                       | 9.493         | 230                                | 58                                  |
| 12                | 12.750        | .406                       | 11.888        | 130                                | .687                       | 11.294        | 230                                | 58                                  |
| 14                | 14.000        | .438                       | 13.072        | 130                                | .750                       | 12.412        | 220                                | 55                                  |
| 16                | 16.000        | .500                       | 14.936        | 130                                | .843                       | 14.224        | 220                                | 55                                  |

\* Maximum pressure @

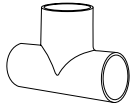
# PVC AND CPVC PRESSURE PIPE

| Dimension<br>inches | PRODUCT CODE                     |                                 |                                |                                 |                                |                             |                             |                            |
|---------------------|----------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|-----------------------------|-----------------------------|----------------------------|
|                     | PVC Sch 40<br>White<br>Plain End | PVC Sch 40<br>White<br>Bell End | PVC Sch 40<br>Grey<br>Bell End | PVC Sch 80<br>Grey<br>Plain End | PVC Sch 80<br>Grey<br>Bell End | CPVC<br>Sch 40<br>Plain End | CPVC<br>Sch 80<br>Plain End | CPVC<br>Sch 80<br>Bell End |
| 1/2 x 10'           | 022600                           | 022603                          | 022004                         | –                               | 085106                         | –                           | –                           | –                          |
| 3/4 x 10'           | 022633                           | 022604                          | 022011                         | –                               | 085111                         | –                           | –                           | –                          |
| 1 x 10'             | 022612                           | 022611                          | 022016                         | –                               | 085114                         | –                           | –                           | –                          |
| 1-1/4 x 10'         | 022608                           | 022674                          | 022027                         | –                               | 085119                         | –                           | –                           | –                          |
| 1-1/2 x 10'         | 022614                           | 022616                          | 022032                         | –                               | –                              | –                           | –                           | –                          |
| 2 x 10'             | 022618                           | 022619                          | 022037                         | –                               | –                              | –                           | –                           | –                          |
| 2-1/2 x 10'         | 022621                           | –                               | 022042                         | –                               | –                              | –                           | –                           | –                          |
| 3 x 10'             | 022637                           | 022624                          | 022046                         | –                               | –                              | –                           | –                           | –                          |
| 4 x 10'             | 022626                           | 022628                          | –                              | 085138                          | –                              | –                           | –                           | –                          |
| 5 x 10'             | –                                | –                               | –                              | –                               | –                              | –                           | –                           | –                          |
| 6 x 10'             | 022666                           | 022659                          | –                              | 085143                          | –                              | –                           | –                           | –                          |
| 1/4 x 20'           | –                                | –                               | –                              | 085103                          | –                              | –                           | –                           | –                          |
| 3/8 x 20'           | –                                | –                               | –                              | 085104                          | –                              | –                           | –                           | –                          |
| 1/2 x 20'           | 022602                           | 022601                          | –                              | 085101                          | 085108                         | 019300                      | 019203                      | –                          |
| 3/4 x 20'           | 022677                           | 022607                          | –                              | 085107                          | 085112                         | 019301                      | 019205                      | –                          |
| 1 x 20'             | 022606                           | 022610                          | –                              | 085110                          | 085116                         | 019302                      | 019207                      | –                          |
| 1-1/4 x 20'         | 022678                           | 022617                          | –                              | 085117                          | 085122                         | 019303                      | 019209                      | –                          |
| 1-1/2 x 20'         | 022675                           | 022615                          | –                              | 085115                          | 085127                         | 019304                      | 019211                      | –                          |
| 2 x 20'             | 022679                           | 022620                          | –                              | 085120                          | 085132                         | 019305                      | 019213                      | –                          |
| 2-1/2 x 20'         | 022646                           | 022625                          | –                              | 085125                          | 085134                         | 019306                      | 019216                      | –                          |
| 3" x 20'            | 022623                           | 022630                          | –                              | 085130                          | 085137                         | 019307                      | 019217                      | –                          |
| 4 x 20'             | 022627                           | 022640                          | 022040                         | 085140                          | 085139                         | 019308                      | 019219                      | –                          |
| 5 x 20'             | 022651                           | 022650                          | –                              | 085150                          | –                              | –                           | –                           | –                          |
| 6 x 20'             | 022665                           | 022660                          | 022060                         | 085160                          | 085162                         | 019309                      | 019220                      | 019218                     |
| 8 x 20'             | 022681                           | 022680                          | 022058                         | 085180                          | 085147                         | 019310                      | 019221                      | 019255                     |
| 10 x 20'            | 022691                           | 222690                          | 022061                         | 085190                          | 085192                         | 019013                      | 019222                      | –                          |
| 12 x 20'            | 022693                           | 022692                          | 022064                         | 085195                          | 085151                         | 019016                      | 019223                      | –                          |
| 14 x 20'            | 022682                           | 022694                          | –                              | 085158                          | 085152                         | –                           | 019228                      | –                          |
| 16 x 20'            | 022683                           | 022696                          | –                              | 085153                          | 085155                         | 019226                      | 019229                      | –                          |
| 18 x 20'            | 022687                           | 022697                          | –                              | 085159                          | –                              | –                           | –                           | –                          |
| 20 x 20'            | 022702                           | 022698                          | –                              | –                               | 085170                         | –                           | –                           | –                          |
| 24 x 20'            | 022704                           | 022699                          | –                              | –                               | 085171                         | –                           | –                           | –                          |

# XIRTEC PVC FABRICATED SCH. 40 WHITE

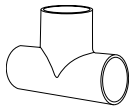
Dimension inches    Sch 40 WHITE Product Code    Universal Number

## Tee Soc x Soc x Soc



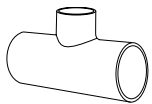
|       |        |        |
|-------|--------|--------|
| 1/2   | 035775 | 401005 |
| 3/4   | 035776 | 401007 |
| 1     | 035777 | 401010 |
| 1 1/4 | 035778 | 401012 |
| 1 1/2 | 035779 | 401015 |
| 2     | 035780 | 401020 |
| 2 1/2 | 035781 | 401025 |
| 3     | 035782 | 401030 |
| 4     | 035783 | 401040 |
| 5     | 035784 | 401050 |
| 6     | 035785 | 401060 |
| 8     | 035786 | 401080 |
| 10    | 035930 | 401100 |
| 12    | 035931 | 401120 |

## Fabricated Tee Soc x Soc x Soc



|    |        |         |
|----|--------|---------|
| 10 | 125101 | 401100F |
| 12 | 125107 | 401120F |
| 14 | 125112 | 401140F |
| 16 | 125117 | 401160F |
| 18 | 125122 | 401180F |
| 20 | 125123 | 401200F |
| 24 | 125124 | 401240F |

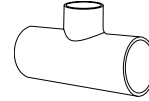
## Reducing Tee Soc x Soc x Soc



|                       |        |        |
|-----------------------|--------|--------|
| 1/2 x 1/2 x 3/4       | 035789 | 401074 |
| 1/2 x 1/2 x 1         | 035354 | 401075 |
| 3/4 x 1/2 x 1/2       | 035790 | 401094 |
| 3/4 x 1/2 x 3/4       | 235007 | 401095 |
| 3/4 x 3/4 x 1/2       | 035792 | 401101 |
| 3/4 x 3/4 x 1         | 035791 | 401102 |
| 1 x 1/2 x 1           | 235008 | 401122 |
| 1 x 3/4 x 1/2         | 235009 | 401124 |
| 1 x 3/4 x 3/4         | 035994 | 401125 |
| 1 x 3/4 x 1           | 035962 | 401126 |
| 1 x 1 x 1/2           | 035794 | 401130 |
| 1 x 1 x 3/4           | 035795 | 401131 |
| 1 x 1 x 1 1/4         | 035989 | 401132 |
| 1 x 1 x 1 1/2         | 035793 | 401133 |
| 1 1/4 x 1 x 1/2       | 235010 | 401156 |
| 1 1/4 x 1 x 3/4       | 035796 | 401157 |
| 1 1/4 x 1 x 1         | 235011 | 401158 |
| 1 1/4 x 1 1/4 x 1/2   | 035797 | 401166 |
| 1 1/4 x 1 1/4 x 3/4   | 035798 | 401167 |
| 1 1/4 x 1 1/4 x 1     | 035799 | 401168 |
| 1 1/4 x 1 1/4 x 1 1/2 | 235012 | 401169 |
| 1 1/4 x 1 1/4 x 2     | 235013 | 401170 |

Dimension inches    Sch 40 WHITE Product Code    Universal Number

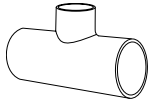
## Reducing Tee Soc x Soc x Soc



|                       |        |        |
|-----------------------|--------|--------|
| 1 1/2 x 1 1/4 x 1/2   | 235014 | 401199 |
| 1 1/2 x 1 1/4 x 3/4   | 235015 | 401201 |
| 1 1/2 x 1 1/4 x 1     | 035959 | 401202 |
| 1 1/2 x 1 1/2 x 1/2   | 035800 | 401209 |
| 1 1/2 x 1 1/2 x 3/4   | 035801 | 401210 |
| 1 1/2 x 1 1/2 x 1     | 035802 | 401211 |
| 1 1/2 x 1 1/2 x 1 1/4 | 035803 | 401212 |
| 1 1/2 x 1 1/2 x 2     | 035082 | 401213 |
| 1 1/2 x 1 1/2 x 2 1/2 | 235016 | 401214 |
| 2 x 1 1/2 x 3/4       | 235017 | 401238 |
| 2 x 1 1/2 x 1         | 035804 | 401239 |
| 2 x 1 1/2 x 1 1/2     | 035805 | 401241 |
| 2 x 2 x 1/2           | 035806 | 401247 |
| 2 x 2 x 3/4           | 035807 | 401248 |
| 2 x 2 x 1             | 035808 | 401249 |
| 2 x 2 x 1 1/4         | 035809 | 401250 |
| 2 x 2 x 1 1/2         | 035810 | 401251 |
| 2 1/2 x 2 1/2 x 1/2   | 035811 | 401287 |
| 2 1/2 x 2 1/2 x 3/4   | 035812 | 401288 |
| 2 1/2 x 2 1/2 x 1     | 035813 | 401289 |
| 2 1/2 x 2 1/2 x 1 1/4 | 035814 | 401290 |
| 2 1/2 x 2 1/2 x 1 1/2 | 035815 | 401291 |
| 2 1/2 x 2 1/2 x 2     | 035816 | 401292 |
| 3 x 3 x 1/2           | 035817 | 401333 |
| 3 x 3 x 3/4           | 035818 | 401334 |
| 3 x 3 x 1             | 035819 | 401335 |
| 3 x 3 x 1 1/4         | 035820 | 401336 |
| 3 x 3 x 1 1/2         | 035821 | 401337 |
| 3 x 3 x 2             | 035822 | 401338 |
| 3 x 3 x 2 1/2         | 035823 | 401339 |
| 3 x 3 x 4             | 235018 | 401342 |
| 4 x 4 x 3/4           | 035824 | 401416 |
| 4 x 4 x 1             | 035825 | 401417 |
| 4 x 4 x 1 1/4         | 035826 | 401418 |
| 4 x 4 x 1 1/2         | 035827 | 401419 |
| 4 x 4 x 2             | 035828 | 401420 |
| 4 x 4 x 3             | 035829 | 401422 |
| 5 x 5 x 2             | 035956 | 401486 |
| 5 x 5 x 3             | 035830 | 401488 |
| 5 x 5 x 4             | 035831 | 401490 |
| 6 x 6 x 2             | 035832 | 401528 |
| 6 x 6 x 3             | 035833 | 401530 |
| 6 x 6 x 4             | 035834 | 401532 |
| 8 x 8 x 3             | 035835 | 401580 |
| 8 x 8 x 4             | 035836 | 401582 |
| 8 x 8 x 6             | 035837 | 401585 |

| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

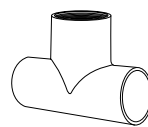
#### Fabricated Reducing Tee Soc x Soc x Soc



|              |        |         |
|--------------|--------|---------|
| 10 x 10 x 4  | 125159 | 401624F |
| 10 x 10 x 6  | 125166 | 401626F |
| 10 x 10 x 8  | 125171 | 401628F |
| 12 x 12 x 4  | 125178 | 401664F |
| 12 x 12 x 6  | 125184 | 401666F |
| 12 x 12 x 8  | 125189 | 401668F |
| 12 x 12 x 10 | 125194 | 401670F |
| 14 x 14 x 2  | 125199 | 401691F |
| 14 x 14 x 3  | 125200 | 401693F |
| 14 x 14 x 4  | 125201 | 401694F |
| 14 x 14 x 6  | 125206 | 401696F |
| 14 x 14 x 8  | 125211 | 401698F |
| 14 x 14 x 10 | 125216 | 401700F |
| 14 x 14 x 12 | 125221 | 401702F |
| 16 x 16 x 4  | 125227 | 401754F |
| 16 x 16 x 6  | 125232 | 401756F |
| 16 x 16 x 8  | 125237 | 401758F |
| 16 x 16 x 10 | 125242 | 401760F |
| 16 x 16 x 12 | 125247 | 401762F |
| 16 x 16 x 14 | 125252 | 401764F |
| 18 x 18 x 4  | 125257 | 401784F |
| 18 x 18 x 6  | 125258 | 401786F |
| 18 x 18 x 8  | 125259 | 401788F |
| 18 x 18 x 10 | 125260 | 401790F |
| 18 x 18 x 12 | 125261 | 401792F |
| 18 x 18 x 14 | 125262 | 401794F |
| 18 x 18 x 16 | 125263 | 401796F |
| 20 x 20 x 4  | 125264 | 401814F |
| 20 x 20 x 6  | 125265 | 401816F |
| 20 x 20 x 8  | 125266 | 401818F |
| 20 x 20 x 10 | 125267 | 401820F |
| 20 x 20 x 12 | 125268 | 401822F |
| 20 x 20 x 14 | 125269 | 401824F |
| 20 x 20 x 16 | 125270 | 401826F |
| 20 x 20 x 18 | 125271 | 401828F |
| 24 x 24 x 4  | 125272 | 401904F |
| 24 x 24 x 6  | 125273 | 401906F |
| 24 x 24 x 8  | 125274 | 401908F |
| 24 x 24 x 10 | 125275 | 401910F |
| 24 x 24 x 12 | 125276 | 401912F |
| 24 x 24 x 14 | 125277 | 401914F |
| 24 x 24 x 16 | 125278 | 401916F |
| 24 x 24 x 18 | 125279 | 401918F |
| 24 x 24 x 20 | 125280 | 401920F |

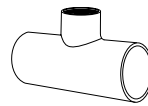
| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

#### Tee Soc x Soc x Fpt



|       |        |        |
|-------|--------|--------|
| 1/2   | 035851 | 402005 |
| 3/4   | 035852 | 402007 |
| 1     | 035853 | 402010 |
| 1 1/4 | 035854 | 402012 |
| 1 1/2 | 035855 | 402015 |
| 2     | 035856 | 402020 |
| 2 1/2 | 035857 | 402025 |
| 3     | 035858 | 402030 |
| 4     | 035859 | 402040 |

#### Reducing Tee Soc x Soc x Fpt



|                       |        |        |
|-----------------------|--------|--------|
| 1/2 x 1/2 x 3/4       | 035860 | 402074 |
| 3/4 x 1/2 x 1/2       | 035862 | 402094 |
| 3/4 x 1/2 x 3/4       | 235019 | 402095 |
| 3/4 x 3/4 x 1/2       | 035863 | 402101 |
| 1 x 3/4 x 1/2         | 035867 | 402124 |
| 1 x 1 x 1/2           | 035865 | 402130 |
| 1 x 1 x 3/4           | 035866 | 402131 |
| 1 1/4 x 1 x 1/2       | 035868 | 402156 |
| 1 1/4 x 1 x 1         | 235020 | 402158 |
| 1 1/4 x 1 1/4 x 1/2   | 035869 | 402166 |
| 1 1/4 x 1 1/4 x 3/4   | 035870 | 402167 |
| 1 1/4 x 1 1/4 x 1     | 035871 | 402168 |
| 1 1/2 x 1 1/4 x 1/2   | 235021 | 402199 |
| 1 1/2 x 1 1/4 x 3/4   | 035872 | 402201 |
| 1 1/2 x 1 1/4 x 1     | 235022 | 402202 |
| 1 1/2 x 1 1/2 x 1/2   | 035873 | 402209 |
| 1 1/2 x 1 1/2 x 3/4   | 035874 | 402210 |
| 1 1/2 x 1 1/2 x 1     | 035875 | 402211 |
| 1 1/2 x 1 1/2 x 1 1/4 | 035876 | 402212 |
| 2 x 1 1/2 x 3/4       | 235023 | 402238 |
| 2 x 1 1/2 x 1         | 235024 | 402239 |
| 2 x 2 x 1/2           | 035877 | 402247 |
| 2 x 2 x 3/4           | 035878 | 402248 |
| 2 x 2 x 1             | 035879 | 402249 |
| 2 x 2 x 1 1/4         | 035880 | 402250 |
| 2 x 2 x 1 1/2         | 035881 | 402251 |
| 2 1/2 x 2 1/2 x 1/2   | 235025 | 402287 |
| 2 1/2 x 2 1/2 x 3/4   | 035592 | 402288 |
| 2 1/2 x 2 1/2 x 1     | 035882 | 402289 |
| 2 1/2 x 2 1/2 x 1 1/4 | 035883 | 402290 |
| 2 1/2 x 2 1/2 x 1 1/2 | 035884 | 402291 |
| 3 x 3 x 1/2           | 035885 | 402333 |
| 3 x 3 x 3/4           | 035886 | 402334 |
| 3 x 3 x 1             | 035887 | 402335 |
| 3 x 3 x 1 1/4         | 035888 | 402336 |
| 3 x 3 x 1 1/2         | 035889 | 402337 |
| 3 x 3 x 2             | 035890 | 402338 |
| 4 x 4 x 1             | 035891 | 402417 |
| 4 x 4 x 1 1/2         | 035893 | 402419 |
| 4 x 4 x 2             | 035894 | 402420 |
| 4 x 4 x 3             | 035895 | 402422 |
| 5 x 5 x 4             | 235026 | 402490 |
| 6 x 6 x 2             | 035896 | 402528 |
| 6 x 6 x 3             | 235027 | 402530 |
| 6 x 6 x 4             | 035897 | 402532 |
| 8 x 8 x 3             | 235028 | 402580 |
| 8 x 8 x 4             | 035898 | 402582 |

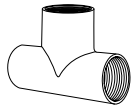
# XIRTEC PVC SCH. 40 WHITE

Dimension  
inches

Sch 40 WHITE  
Product Code

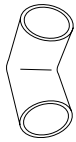
Universal  
Number

## Tee Fpt x Fpt x Fpt



|       |        |        |
|-------|--------|--------|
| 1/2   | 035844 | 405005 |
| 3/4   | 035845 | 405007 |
| 1     | 035846 | 405010 |
| 1 1/4 | 035847 | 405012 |
| 1 1/2 | 035848 | 405015 |
| 2     | 035849 | 405020 |

## 90° Elbow Soc x Soc



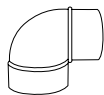
|       |        |        |
|-------|--------|--------|
| 1/2   | 035519 | 406005 |
| 3/4   | 035520 | 406007 |
| 1     | 035521 | 406010 |
| 1 1/4 | 035522 | 406012 |
| 1 1/2 | 035523 | 406015 |
| 2     | 035524 | 406020 |
| 2 1/2 | 035525 | 406025 |
| 3     | 035526 | 406030 |
| 4     | 035527 | 406040 |
| 5     | 035528 | 406050 |
| 6     | 035529 | 406060 |
| 8     | 035530 | 406080 |
| 10    | 035928 | 406100 |
| 12    | 035929 | 406120 |

## Fabricated 90° Elbow Soc x Soc



|    |        |         |
|----|--------|---------|
| 10 | 125522 | 406100F |
| 12 | 125511 | 406120F |
| 14 | 125513 | 406140F |
| 16 | 125515 | 406160F |
| 18 | 125518 | 406180F |
| 20 | 125519 | 406200F |
| 24 | 125520 | 406240F |

## 90° Elbow Soc x Sp



|    |        |        |
|----|--------|--------|
| 10 | 235928 | 409100 |
| 12 | 235929 | 409120 |

Dimension  
inches

Sch 40 WHITE  
Product Code

Universal  
Number

## 90° Elbow Soc x Fpt



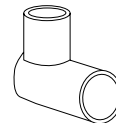
|       |        |        |
|-------|--------|--------|
| 1/2   | 035506 | 407005 |
| 3/4   | 035507 | 407007 |
| 1     | 035508 | 407010 |
| 1 1/4 | 035509 | 407012 |
| 1 1/2 | 035510 | 407015 |
| 2     | 035511 | 407020 |
| 2 1/2 | 035512 | 407025 |
| 3     | 035589 | 407030 |
| 4     | 035513 | 407040 |

## 90° Elbow Fpt x Fpt



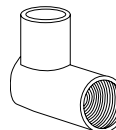
|       |        |        |
|-------|--------|--------|
| 1/2   | 035538 | 408005 |
| 3/4   | 035539 | 408007 |
| 1     | 035540 | 408010 |
| 1 1/4 | 035541 | 408012 |
| 1 1/2 | 035542 | 408015 |
| 2     | 035543 | 408020 |

## 90° Reducing Elbow Soc x Soc



|             |        |        |
|-------------|--------|--------|
| 3/4 x 1/2   | 035535 | 406101 |
| 1 x 1/2     | 035536 | 406130 |
| 1 x 3/4     | 035978 | 406131 |
| 1 1/4 x 1/2 | 235029 | 406166 |
| 1 1/4 x 3/4 | 235030 | 406167 |
| 1 1/4 x 1   | 035991 | 406168 |
| 1 1/2 x 1/2 | 235031 | 406209 |
| 1 1/2 x 1   | 235032 | 406211 |
| 2 x 1 1/2   | 035537 | 406251 |

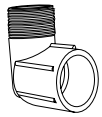
## 90° Reducing Elbow Soc x Fpt



|           |        |        |
|-----------|--------|--------|
| 1/2 x 3/4 | 035514 | 407074 |
| 3/4 x 1/2 | 035515 | 407101 |
| 1 x 1/2   | 035516 | 407130 |
| 1 x 3/4   | 035517 | 407131 |
| 1 1/4 x 1 | 051007 | 407168 |
| 1 1/2 x 1 | 035594 | 407211 |
| 2 x 1 1/2 | 035518 | 407251 |

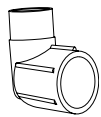
| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

#### 90° Elbow Mpt x Soc



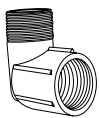
|       |        |        |
|-------|--------|--------|
| 1/2   | 035500 | 410005 |
| 3/4   | 035501 | 410007 |
| 1     | 035502 | 410010 |
| 1 1/4 | 035503 | 410012 |
| 1 1/2 | 035504 | 410015 |
| 2     | 035505 | 410020 |

#### 90° Street Elbow Soc x Spig



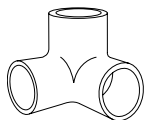
|       |        |        |
|-------|--------|--------|
| 1/2   | 035544 | 409005 |
| 3/4   | 135033 | 409007 |
| 1     | 135034 | 409010 |
| 1 1/4 | 035547 | 409012 |
| 1 1/2 | 035548 | 409015 |
| 2     | 035549 | 409020 |

#### 90° Elbow Mpt x Fpt



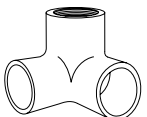
|       |        |        |
|-------|--------|--------|
| 1/2   | 035552 | 412005 |
| 3/4   | 035553 | 412007 |
| 1     | 035554 | 412010 |
| 1 1/4 | 035555 | 412012 |
| 1 1/2 | 035556 | 412015 |
| 2     | 035557 | 412020 |

#### Side Outlet Elbow Soc x Soc x Soc



|     |        |        |
|-----|--------|--------|
| 1/2 | 035498 | 413005 |
|-----|--------|--------|

#### Side Outlet Elbow Soc x Soc x Fpt



|                 |        |        |
|-----------------|--------|--------|
| 1/2             | 235033 | 414005 |
| 3/4             | 235034 | 414007 |
| 3/4 x 3/4 x 1/2 | 235035 | 414101 |
| 1 x 1 x 1/2     | 235036 | 414130 |

| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

#### Fabricated 60° Elbow Soc x Soc

|    |        |         |
|----|--------|---------|
| 6  | 125482 | 424060F |
| 8  | 125484 | 424080F |
| 10 | 125486 | 424100F |
| 12 | 125488 | 424120F |
| 14 | 125490 | 424140F |
| 16 | 125492 | 424160F |
| 18 | 125494 | 424180F |
| 20 | 125495 | 424200F |
| 24 | 125496 | 424240F |

#### 45° Elbow Soc x Soc



|       |        |        |
|-------|--------|--------|
| 1/2   | 035481 | 417005 |
| 3/4   | 035482 | 417007 |
| 1     | 035483 | 417010 |
| 1 1/4 | 035484 | 417012 |
| 1 1/2 | 035485 | 417015 |
| 2     | 035486 | 417020 |
| 2 1/2 | 035487 | 417025 |
| 3     | 035488 | 417030 |
| 4     | 035489 | 417040 |
| 5     | 035490 | 417050 |
| 6     | 035491 | 417060 |
| 8     | 035492 | 417080 |
| 10    | 035926 | 417100 |
| 12    | 035927 | 417120 |

#### 45° Elbow Soc x Sp



|    |        |        |
|----|--------|--------|
| 10 | 235876 | 423100 |
| 12 | 235877 | 423120 |

#### Fabricated 45° Elbow Soc x Soc



|    |        |         |
|----|--------|---------|
| 10 | 125470 | 417100F |
| 12 | 125472 | 417120F |
| 14 | 125474 | 417140F |
| 16 | 125476 | 417160F |
| 18 | 125478 | 417180F |
| 20 | 125479 | 417200F |
| 24 | 125480 | 417240F |

# XIRTEC PVC SCH. 40 WHITE

| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

## Fabricated 30° Soc x Soc

|    |        |         |
|----|--------|---------|
| 2  | 125442 | 415020F |
| 3  | 125443 | 415030F |
| 4  | 125444 | 415040F |
| 6  | 125447 | 415060F |
| 8  | 125449 | 415080F |
| 10 | 125451 | 415100F |
| 12 | 125453 | 415120F |
| 14 | 125455 | 415140F |
| 16 | 125457 | 415160F |
| 18 | 125459 | 415180F |
| 20 | 125460 | 415200F |
| 24 | 125461 | 415240F |

## Fabricated 22.5° Soc x Soc

|    |        |         |
|----|--------|---------|
| 2  | 125422 | 416020F |
| 3  | 125423 | 416030F |
| 4  | 125424 | 416040F |
| 5  | 125426 | 416050F |
| 6  | 125427 | 416060F |
| 8  | 125429 | 416080F |
| 10 | 125431 | 416100F |
| 12 | 125433 | 416120F |
| 14 | 125435 | 416140F |
| 16 | 125437 | 416160F |
| 18 | 125439 | 416180F |
| 20 | 125440 | 416200F |
| 24 | 125441 | 416240F |

## Fabricated 15° Soc x Soc

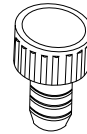
|    |        |         |
|----|--------|---------|
| 2  | 125409 | 418020F |
| 3  | 125410 | 418030F |
| 4  | 125411 | 418040F |
| 6  | 125413 | 418060F |
| 8  | 125414 | 418080F |
| 10 | 125415 | 418100F |
| 12 | 125416 | 418120F |
| 14 | 125417 | 418140F |
| 16 | 125418 | 418160F |
| 18 | 125419 | 418180F |
| 20 | 125420 | 418200F |
| 24 | 125421 | 418240F |

| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

## Fabricated 11.25° Soc x Soc

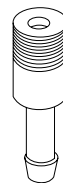
|    |        |         |
|----|--------|---------|
| 6  | 125394 | 411060F |
| 8  | 125396 | 411080F |
| 10 | 125398 | 411100F |
| 12 | 125400 | 411120F |
| 14 | 125402 | 411140F |
| 16 | 125404 | 411160F |
| 18 | 125406 | 411180F |
| 20 | 125407 | 411200F |
| 24 | 125408 | 411240F |

## Hose Adapter Insert x IPS Soc



|       |        |        |
|-------|--------|--------|
| 1/2   | 035596 | 474005 |
| 3/4   | 035597 | 474007 |
| 1     | 035598 | 474010 |
| 1 1/4 | 035599 | 474012 |
| 1 1/2 | 035600 | 474015 |
| 2     | 035601 | 474020 |
| 3     | 235037 | 474030 |
| 4     | 235038 | 474040 |

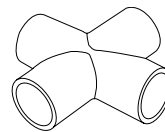
## Hose Adapter (grey) Insert x Mpt



|       |        |         |
|-------|--------|---------|
| 1/2   | 035157 | 1436005 |
| 3/4   | 035158 | 1436007 |
| 1     | 035159 | 1436010 |
| 1 1/4 | 035160 | 1436012 |
| 1 1/2 | 035161 | 1436015 |
| 2     | 035162 | 1436020 |
| 2 1/2 | 035163 | 1436025 |
| 3     | 035164 | 1436030 |
| 4     | 035165 | 1436040 |

ASTM D2609 – Plastic Insert fitting for polyethylene

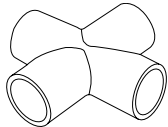
## Cross Soc x Soc x Soc x Soc



|       |        |        |
|-------|--------|--------|
| 1/2   | 035469 | 420005 |
| 3/4   | 035470 | 420007 |
| 1     | 035471 | 420010 |
| 1 1/4 | 035472 | 420012 |
| 1 1/2 | 035473 | 420015 |
| 2     | 035474 | 420020 |
| 2 1/2 | 035475 | 420025 |
| 3     | 035476 | 420030 |
| 4     | 035477 | 420040 |

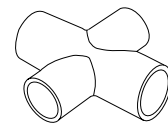
| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

#### Fabricated Cross Soc x Soc x Soc x Soc



|    |        |         |
|----|--------|---------|
| 6  | 125295 | 420060F |
| 8  | 125297 | 420080F |
| 10 | 125299 | 420100F |
| 12 | 125301 | 420120F |
| 14 | 125303 | 420140F |
| 16 | 125305 | 420160F |
| 18 | 125307 | 420180F |
| 20 | 125308 | 420200F |
| 24 | 125309 | 420240F |

#### Fabricated Reducing Cross Soc x Soc x Soc x Soc



|         |        |         |
|---------|--------|---------|
| 6 x 4   | 125312 | 420532F |
| 8 x 4   | 125316 | 420582F |
| 8 x 6   | 125318 | 420585F |
| 10 x 4  | 125322 | 420624F |
| 10 x 6  | 125324 | 420626F |
| 10 x 8  | 125326 | 420628F |
| 12 x 4  | 125330 | 420664F |
| 12 x 6  | 125332 | 420666F |
| 12 x 8  | 125334 | 420668F |
| 12 x 10 | 125336 | 420670F |
| 14 x 4  | 125340 | 420694F |
| 14 x 6  | 125342 | 420696F |
| 14 x 8  | 125344 | 420698F |
| 14 x 10 | 125346 | 420700F |
| 14 x 12 | 125348 | 420702F |
| 16 x 4  | 125352 | 420754F |
| 16 x 6  | 125354 | 420756F |
| 16 x 8  | 125356 | 420758F |
| 16 x 10 | 125358 | 420760F |
| 16 x 12 | 125360 | 420762F |
| 16 x 14 | 125362 | 420764F |
| 18 x 4  | 125364 | 420784F |
| 18 x 6  | 125365 | 420786F |
| 18 x 8  | 125366 | 420788F |
| 18 x 10 | 125367 | 420790F |
| 18 x 12 | 125368 | 420792F |
| 18 x 14 | 125369 | 420794F |
| 18 x 16 | 125370 | 420796F |
| 20 x 4  | 125371 | 420814F |
| 20 x 6  | 125372 | 420816F |
| 20 x 8  | 125373 | 420818F |
| 20 x 10 | 125374 | 420820F |
| 20 x 12 | 125375 | 420822F |
| 20 x 14 | 125376 | 420824F |
| 20 x 16 | 125377 | 420826F |
| 20 x 18 | 125378 | 420828F |
| 24 x 4  | 125379 | 420904F |
| 24 x 6  | 125380 | 420906F |
| 24 x 8  | 125381 | 420908F |
| 24 x 10 | 125382 | 420910F |
| 24 x 12 | 125383 | 420912F |
| 24 x 14 | 125384 | 420914F |
| 24 x 16 | 125385 | 420916F |
| 24 x 18 | 125386 | 420918F |
| 24 x 20 | 125387 | 420920F |

| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

#### Coupling Fpt x Fpt



|     |        |        |
|-----|--------|--------|
| 1/2 | 035466 | 430005 |
| 3/4 | 035467 | 430007 |
| 1   | 035468 | 430010 |

#### Coupling Soc x Soc



|       |        |        |
|-------|--------|--------|
| 3/8   | 035447 | 429003 |
| 1/2   | 035448 | 429005 |
| 3/4   | 035449 | 429007 |
| 1     | 035450 | 429010 |
| 1 1/4 | 035451 | 429012 |
| 1 1/2 | 035452 | 429015 |
| 2     | 035453 | 429020 |
| 2 1/2 | 035454 | 429025 |
| 3     | 035455 | 429030 |
| 4     | 035456 | 429040 |
| 5     | 035457 | 429050 |
| 6     | 035458 | 429060 |
| 8     | 035459 | 429080 |
| 10    | 235460 | 429100 |
| 12    | 235388 | 429120 |

#### Fabricated Coupling Soc x Soc



|    |        |         |
|----|--------|---------|
| 10 | 125569 | 429100F |
| 12 | 125571 | 429120F |
| 14 | 125573 | 429140F |
| 16 | 125575 | 429160F |
| 18 | 125577 | 429180F |
| 20 | 125578 | 429200F |
| 24 | 125579 | 429240F |

#### Reducer Coupling Soc x Soc

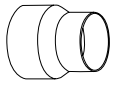


|               |        |        |
|---------------|--------|--------|
| 3/4 x 1/2     | 035759 | 429101 |
| 1 x 3/4       | 035760 | 429131 |
| 1 1/4 x 1     | 035761 | 429168 |
| 1 1/2 x 1 1/4 | 035762 | 429212 |
| 2 x 1 1/2     | 035764 | 429251 |
| 4 x 3         | 035765 | 429422 |
| 6 X 4         | 035766 | 429532 |
| 8 x 4         | 235387 | 429582 |
| 8 x 6         | 235386 | 429585 |
| 10 x 8        | 235617 |        |
| 12 x 10       | 235618 | 429670 |

# XIRTEC PVC SCH. 40 WHITE

Dimension  
inches    Sch 40 WHITE  
Product Code    Universal  
Number

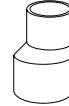
## Fabricated Reducer Coupling Soc x Soc



|         |        |         |
|---------|--------|---------|
| 6 x 4   | 125602 | 429532F |
| 10 x 4  | 125613 | 429624F |
| 10 x 6  | 125615 | 429626F |
| 10 x 8  | 125617 | 429628F |
| 12 x 4  | 125622 | 429664F |
| 12 x 6  | 125624 | 429666F |
| 12 x 8  | 125626 | 429668F |
| 14 x 4  | 125633 | 429694F |
| 14 x 6  | 125635 | 429696F |
| 14 x 8  | 125637 | 429698F |
| 14 x 10 | 125639 | 429700F |
| 14 x 12 | 125641 | 429702F |
| 16 x 4  | 125646 | 429754F |
| 16 x 6  | 125648 | 429756F |
| 16 x 8  | 125650 | 429758F |
| 16 x 10 | 125652 | 429760F |
| 16 x 12 | 125654 | 429762F |
| 16 x 14 | 125656 | 429764F |
| 18 x 4  | 125661 | 429784F |
| 18 x 6  | 125663 | 429786F |
| 18 x 8  | 125665 | 429788F |
| 18 x 10 | 125667 | 429790F |
| 18 x 12 | 125669 | 429792F |
| 18 x 14 | 125671 | 429794F |
| 18 x 16 | 125673 | 429796F |
| 20 x 4  | 125675 | 429814F |
| 20 x 6  | 125677 | 429816F |
| 20 x 8  | 125679 | 429818F |
| 20 x 10 | 125681 | 429820F |
| 20 x 12 | 125683 | 429822F |
| 20 x 14 | 125685 | 429824F |
| 20 x 16 | 125687 | 429826F |
| 20 x 18 | 125689 | 429828F |
| 24 x 4  | 125691 | 429904F |
| 24 x 6  | 125693 | 429906F |
| 24 x 8  | 125695 | 429908F |
| 24 x 10 | 125697 | 429910F |
| 24 x 12 | 125699 | 429912F |
| 24 x 14 | 125701 | 429914F |
| 24 x 16 | 125703 | 429916F |
| 24 x 18 | 125705 | 429918F |
| 24 x 20 | 125707 | 429920F |

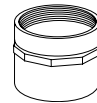
Dimension  
inches    Sch 40 WHITE  
Product Code    Universal  
Number

## Fabricated Eccentric Reducer Coupling Soc x Soc



|         |        |          |
|---------|--------|----------|
| 6 x 4   | 125737 | 429532FE |
| 8 x 4   | 125738 | 429582FE |
| 8 x 6   | 125739 | 429585FE |
| 10 x 4  | 125740 | 429624FE |
| 10 x 6  | 125741 | 429626FE |
| 10 x 8  | 125742 | 429628FE |
| 12 x 4  | 125743 | 429664FE |
| 12 x 6  | 125744 | 429666FE |
| 12 x 8  | 125745 | 429668FE |
| 12 x 10 | 125746 | 429670FE |
| 14 x 6  | 125748 | 429696FE |
| 14 x 8  | 125749 | 429698FE |
| 14 x 10 | 125750 | 429700FE |
| 14 x 12 | 125751 | 429702FE |
| 16 x 8  | 125754 | 429758FE |
| 16 x 10 | 125755 | 429760FE |
| 16 x 12 | 125756 | 429762FE |
| 16 x 14 | 125757 | 429764FE |
| 18 x 10 | 125761 | 429790FE |
| 18 x 12 | 125762 | 429792FE |
| 18 x 14 | 125763 | 429794FE |
| 18 x 16 | 125764 | 429796FE |
| 20 x 12 | 125769 | 429822FE |
| 20 x 14 | 125770 | 429824FE |
| 20 x 16 | 125771 | 429826FE |
| 20 x 18 | 125772 | 429828FE |
| 24 x 14 | 125778 | 429914FE |
| 24 x 16 | 125779 | 429916FE |
| 24 x 18 | 125780 | 429918FE |
| 24 x 20 | 125781 | 429920FE |

## Female Adapter Soc x Fpt



|       |        |        |
|-------|--------|--------|
| 1/2   | 035559 | 435005 |
| 3/4   | 035560 | 435007 |
| 1     | 035561 | 435010 |
| 1 1/4 | 035562 | 435012 |
| 1 1/2 | 035563 | 435015 |
| 2     | 035564 | 435020 |
| 2 1/2 | 035565 | 435025 |
| 3     | 035566 | 435030 |
| 4     | 035567 | 435040 |
| 5     | 035568 | 435050 |
| 6     | 035569 | 435060 |
| 8     | 035570 | 435080 |

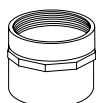
| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

#### Fabricated Female Adapter Soc x Fpt



|    |        |         |
|----|--------|---------|
| 8  | 125532 | 435080F |
| 10 | 125541 | 435100F |
| 12 | 125548 | 435120F |

#### Fabricated Female Adapter Sp x Fpt



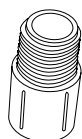
|    |        |         |
|----|--------|---------|
| 6  | 125530 | 478060F |
| 8  | 125538 | 478080F |
| 10 | 125545 | 478100F |
| 12 | 125552 | 478120F |

#### Female Adapter Reducing Soc x Fpt



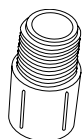
|           |        |        |
|-----------|--------|--------|
| 1/2 x 1/4 | 035571 | 435072 |
| 1/2 x 3/8 | 035951 | 435073 |
| 1/2 x 3/4 | 035572 | 435074 |
| 3/4 x 1/2 | 035992 | 435101 |
| 3/4 x 1   | 035990 | 435102 |
| 1 x 3/4   | 035958 | 435131 |

#### Male Adapter Soc x Mpt



|       |        |        |
|-------|--------|--------|
| 3/8   | 035934 | 436003 |
| 1/2   | 035602 | 436005 |
| 3/4   | 035603 | 436007 |
| 1     | 035604 | 436010 |
| 1 1/4 | 035605 | 436012 |
| 1 1/2 | 035606 | 436015 |
| 2     | 035607 | 436020 |
| 2 1/2 | 035608 | 436025 |
| 3     | 035609 | 436030 |
| 4     | 035610 | 436040 |
| 5     | 035611 | 436050 |
| 6     | 035612 | 436060 |
| 8     | 035613 | 436080 |

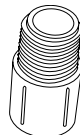
#### Fabricated Male Adapter Soc x Mpt



|    |        |         |
|----|--------|---------|
| 8  | 125535 | 436080F |
| 10 | 125543 | 436100F |
| 12 | 125550 | 436120F |

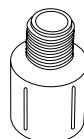
| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

#### Fabricated Male Adapter Sp x Mpt



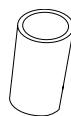
|    |        |         |
|----|--------|---------|
| 8  | 125540 | 461080F |
| 10 | 125545 | 461100F |
| 12 | 125552 | 461120F |

#### Male Adapter Reducing Mpt x Soc



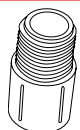
|               |        |        |
|---------------|--------|--------|
| 1/2 x 3/4     | 035614 | 436074 |
| 3/4 x 1/2     | 035615 | 436101 |
| 3/4 x 1       | 035616 | 436102 |
| 1 x 3/4       | 035617 | 436131 |
| 1 x 1 1/4     | 035618 | 436132 |
| 1 1/4 x 1     | 035380 | 436168 |
| 1 1/4 x 1 1/2 | 035593 | 436169 |
| 1 1/2 x 1 1/4 | 035619 | 436212 |
| 1 1/2 x 2     | 035620 | 436213 |
| 2 x 1 1/2     | 035973 | 436251 |
| 2 1/2 x 2     | 235041 | 436252 |
| 3 x 2 1/2     | 235042 | 436294 |
| 4 x 2 1/2     | 235043 | 436296 |
| 4 x 3         | 235044 | 436342 |

#### IPS to PIP Adapter Spig x Soc



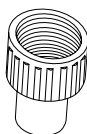
|   |        |        |
|---|--------|--------|
| 6 | 235045 | 431060 |
| 8 | 235046 | 431080 |

#### Riser Extension Fpt x Mpt



|     |        |        |
|-----|--------|--------|
| 1/2 | 035591 | 434005 |
| 3/4 | 035944 | 434007 |
| 1   | 035947 | 434010 |

#### Female Adapter Spig x Fpt

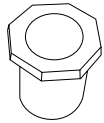


|       |        |        |
|-------|--------|--------|
| 1/2   | 035578 | 478005 |
| 3/4   | 035579 | 478007 |
| 1     | 035580 | 478010 |
| 1 1/4 | 035581 | 478012 |
| 1 1/2 | 035582 | 478015 |
| 2     | 035583 | 478020 |
| 3     | 035585 | 478030 |
| 4     | 035586 | 478040 |

# XIRTEC PVC SCH. 40 WHITE

Dimension inches    Sch 40 WHITE Product Code    Universal Number

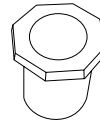
## Reducer Bushing Sp x Soc



|               |        |        |
|---------------|--------|--------|
| 1/2 x 1/4     | 035643 | 437072 |
| 1/2 x 3/8     | 035644 | 437073 |
| 3/4 x 1/2     | 035646 | 437101 |
| 1 x 1/2       | 035648 | 437130 |
| 1 x 3/4       | 035649 | 437131 |
| 1 1/4 x 1/2   | 035650 | 437166 |
| 1 1/4 x 3/4   | 035651 | 437167 |
| 1 1/4 x 1     | 035652 | 437168 |
| 1 1/2 x 1/2   | 035653 | 437209 |
| 1 1/2 x 3/4   | 035654 | 437210 |
| 1 1/2 x 1     | 035655 | 437211 |
| 1 1/2 x 1 1/4 | 035656 | 437212 |
| 2 x 1/2       | 035657 | 437247 |
| 2 x 3/4       | 035658 | 437248 |
| 2 x 1         | 035659 | 437249 |
| 2 x 1 1/4     | 035660 | 437250 |
| 2 x 1 1/2     | 035661 | 437251 |
| 2 1/2 x 1/2   | 035662 | 437287 |
| 2 1/2 x 3/4   | 035663 | 437288 |
| 2 1/2 x 1     | 035664 | 437289 |
| 2 1/2 x 1 1/4 | 035665 | 437290 |
| 2 1/2 x 1 1/2 | 035666 | 437291 |
| 2 1/2 x 2     | 035667 | 437292 |
| 3 x 3/4       | 035668 | 437334 |
| 3 x 1         | 035669 | 437335 |
| 3 x 1 1/4     | 035670 | 437336 |
| 3 x 1 1/2     | 035671 | 437337 |
| 3 x 2         | 035672 | 437338 |
| 3 x 2 1/2     | 035673 | 437339 |
| 4 x 2         | 035677 | 437420 |
| 4 x 2 1/2     | 035678 | 437421 |
| 4 x 3         | 035679 | 437422 |
| 5 x 2         | 035680 | 437486 |
| 5 x 3         | 035681 | 437488 |
| 5 x 4         | 035682 | 437490 |
| 6 x 2         | 035683 | 437528 |
| 6 x 3         | 035684 | 437530 |
| 6 x 4         | 035685 | 437532 |
| 6 x 5         | 035686 | 437534 |
| 8 x 4         | 035687 | 437582 |
| 8 x 6         | 035688 | 437585 |
| 10 x 4        | 235689 | 437624 |
| 10 x 6        | 235391 | 437626 |
| 10 x 8        | 035691 | 437628 |
| 12 x 4        | 235341 | 437664 |
| 12 x 6        | 235692 | 437666 |
| 12 x 8        | 235390 | 437668 |
| 12 x 10       | 235389 | 437670 |

Dimension inches    Sch 40 WHITE Product Code    Universal Number

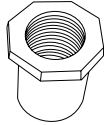
## Fabricated Flush Reducer Bushing Sp x Soc



|         |        |         |
|---------|--------|---------|
| 8 x 3   | 125715 | 437580F |
| 14 x 3  | 125721 | 437693F |
| 14 x 4  | 125722 | 437694F |
| 14 x 6  | 125723 | 437696F |
| 14 x 8  | 126086 | 437698F |
| 14 x 10 | 125724 | 437700F |
| 14 x 12 | 125725 | 437702F |
| 16 x 6  | 126087 | 437756F |
| 16 x 8  | 125726 | 437758F |
| 16 x 10 | 125727 | 437760F |
| 16 x 12 | 125728 | 437762F |
| 16 x 14 | 125729 | 437764F |
| 18 x 6  | 126088 | 437786F |
| 18 x 8  | 126089 | 437788F |
| 18 x 10 | 126090 | 437790F |
| 18 x 12 | 126091 | 437792F |
| 18 x 14 | 125730 | 437794F |
| 18 x 16 | 125731 | 437796F |
| 20 x 6  | 126092 | 437816F |
| 20 x 8  | 126093 | 437818F |
| 20 x 10 | 126094 | 437820F |
| 20 x 12 | 126095 | 437822F |
| 20 x 14 | 126096 | 437824F |
| 20 x 16 | 125732 | 437826F |
| 20 x 18 | 125733 | 437828F |
| 24 x 6  | 126097 | 437906F |
| 24 x 8  | 126098 | 437908F |
| 24 x 10 | 126099 | 437910F |
| 24 x 12 | 126100 | 437912F |
| 24 x 14 | 126101 | 437914F |
| 24 x 16 | 126102 | 437916F |
| 24 x 18 | 125734 | 437918F |
| 24 x 20 | 125735 | 437920F |

| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

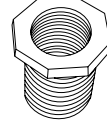
#### Reducer Bushing Spig x Fpt



|               |        |        |
|---------------|--------|--------|
| 1/2 x 1/8     | 035717 | 438071 |
| 1/2 x 1/4     | 035718 | 438072 |
| 1/2 x 3/8     | 035719 | 438073 |
| 3/4 x 1/4     | 035720 | 438098 |
| 3/4 x 1/2     | 035722 | 438101 |
| 1 x 3/8       | 035723 | 438129 |
| 1 x 1/2       | 035724 | 438130 |
| 1 x 3/4       | 035725 | 438131 |
| 1 1/4 x 1/2   | 035726 | 438166 |
| 1 1/4 x 3/4   | 035727 | 438167 |
| 1 1/4 x 1     | 035728 | 438168 |
| 1 1/2 x 1/2   | 035729 | 438209 |
| 1 1/2 x 3/4   | 035730 | 438210 |
| 1 1/2 x 1     | 035731 | 438211 |
| 1 1/2 x 1 1/4 | 035732 | 438212 |
| 2 x 1/2       | 035733 | 438247 |
| 2 x 3/4       | 035734 | 438248 |
| 2 x 1         | 035735 | 438249 |
| 2 x 1 1/4     | 035736 | 438250 |
| 2 x 1 1/2     | 035737 | 438251 |
| 2 1/2 x 1/2   | 035738 | 438287 |
| 2 1/2 x 3/4   | 035739 | 438288 |
| 2 1/2 x 1     | 035740 | 438289 |
| 2 1/2 x 1 1/4 | 035741 | 438290 |
| 2 1/2 x 1 1/2 | 035742 | 438291 |
| 2 1/2 x 2     | 035743 | 438292 |
| 3 x 3/4       | 035744 | 438334 |
| 3 x 1         | 035745 | 438335 |
| 3 x 1 1/4     | 035746 | 438336 |
| 3 x 1 1/2     | 035747 | 438337 |
| 3 x 2         | 035748 | 438338 |
| 3 x 2 1/2     | 035749 | 438339 |
| 4 x 2         | 035750 | 438420 |
| 4 x 2 1/2     | 035751 | 438421 |
| 4 x 3         | 035752 | 438422 |
| 5 x 3         | 035753 | 438488 |
| 5 x 4         | 035754 | 438490 |
| 6 x 2         | 035755 | 438528 |
| 6 x 3         | 035756 | 438530 |
| 6 x 4         | 035757 | 438532 |
| 6 x 5         | 035758 | 438534 |

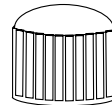
| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

#### T.T. Bushing Mpt x FPT



|               |        |        |
|---------------|--------|--------|
| 3/8 x 1/4     | 035696 | 439052 |
| 1/2 x 1/4     | 035697 | 439072 |
| 1/2 x 3/8     | 035698 | 439073 |
| 3/4 x 1/4     | 035699 | 439098 |
| 3/4 x 3/8     | 035968 | 439099 |
| 3/4 x 1/2     | 035700 | 439101 |
| 1 x 1/2       | 035701 | 439130 |
| 1 x 3/4       | 035702 | 439131 |
| 1 1/4 x 1/2   | 035703 | 439166 |
| 1 1/4 x 3/4   | 035704 | 439167 |
| 1 1/4 x 1     | 035705 | 439168 |
| 1 1/2 x 1/2   | 035706 | 439209 |
| 1 1/2 x 3/4   | 035707 | 439210 |
| 1 1/2 x 1     | 035708 | 439211 |
| 1 1/2 x 1 1/4 | 035709 | 439212 |
| 2 x 1         | 035711 | 439249 |
| 2 x 1 1/4     | 035712 | 439250 |
| 2 x 1 1/2     | 035713 | 439251 |
| 2 1/2 x 2     | 035714 | 439292 |
| 3 x 2         | 035715 | 439338 |
| 3 x 2 1/2     | 035716 | 439339 |

#### Cap Soc

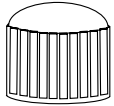


|       |        |        |
|-------|--------|--------|
| 3/8   | 035406 | 447003 |
| 1/2   | 035407 | 447005 |
| 3/4   | 035408 | 447007 |
| 1     | 035409 | 447010 |
| 1 1/4 | 035410 | 447012 |
| 1 1/2 | 035411 | 447015 |
| 2     | 035412 | 447020 |
| 2 1/2 | 035413 | 447025 |
| 3     | 035414 | 447030 |
| 4     | 035415 | 447040 |
| 5     | 035416 | 447050 |
| 6     | 035417 | 447060 |
| 8     | 035418 | 447080 |
| 10    | 235902 | 447100 |
| 12    | 235903 | 447120 |

# XIRTEC PVC SCH. 40 WHITE

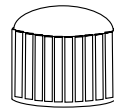
| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

## Fabricated Cap Soc



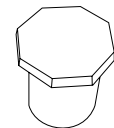
|    |        |         |
|----|--------|---------|
| 10 | 125798 | 447100F |
| 12 | 125800 | 447120F |
| 14 | 125802 | 447140F |
| 16 | 125804 | 447160F |
| 18 | 125806 | 447180F |
| 20 | 125807 | 447200F |
| 24 | 125808 | 447240F |

## Cap Fpt



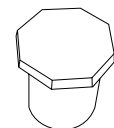
|       |        |        |
|-------|--------|--------|
| 3/8   | 035948 | 448003 |
| 1/2   | 035423 | 448005 |
| 3/4   | 035424 | 448007 |
| 1     | 035425 | 448010 |
| 1 1/4 | 035426 | 448012 |
| 1 1/2 | 035427 | 448015 |
| 2     | 035428 | 448020 |
| 2 1/2 | 035429 | 448025 |
| 3     | 035430 | 448030 |
| 4     | 035431 | 448040 |
| 5     | 035432 | 448050 |
| 6     | 035433 | 448060 |

## Plug Spig



|       |        |        |
|-------|--------|--------|
| 3/8   | 035946 | 449003 |
| 1/2   | 035631 | 449005 |
| 3/4   | 035632 | 449007 |
| 1     | 035633 | 449010 |
| 1 1/4 | 035634 | 449012 |
| 1 1/2 | 035635 | 449015 |
| 2     | 035636 | 449020 |
| 2 1/2 | 035637 | 449025 |
| 3     | 035638 | 449030 |
| 4     | 035639 | 449040 |

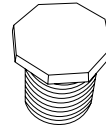
## Fabricated Plug Spig



|    |        |         |
|----|--------|---------|
| 6  | 125810 | 449060F |
| 8  | 125812 | 449080F |
| 10 | 125814 | 449100F |
| 12 | 125816 | 449120F |
| 14 | 125818 | 449140F |
| 16 | 125819 | 449160F |
| 18 | 125820 | 449180F |
| 20 | 125821 | 449200F |
| 24 | 125822 | 449240F |

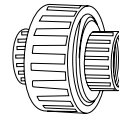
| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

## Plug Mpt



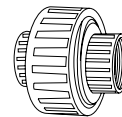
|       |        |        |
|-------|--------|--------|
| 3/8   | 035621 | 450003 |
| 1/2   | 035622 | 450005 |
| 3/4   | 035623 | 450007 |
| 1     | 035624 | 450010 |
| 1 1/4 | 035625 | 450012 |
| 1 1/2 | 035626 | 450015 |
| 2     | 035627 | 450020 |
| 2 1/2 | 035628 | 450025 |
| 3     | 035629 | 450030 |
| 4     | 035630 | 450040 |
| 6     | 235047 | 450060 |

## Union Soc x Soc EPDM O-ring Seal



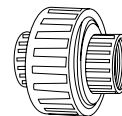
|       |        |        |
|-------|--------|--------|
| 1/2   | 235001 | 497005 |
| 3/4   | 235002 | 497007 |
| 1     | 235003 | 497010 |
| 1 1/4 | 235004 | 497012 |
| 1 1/2 | 235005 | 497015 |
| 2     | 235006 | 497020 |

## Union Soc x Soc Buna O-ring Seal



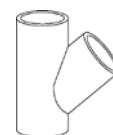
|       |        |        |
|-------|--------|--------|
| 1/2   | 035900 | 457005 |
| 3/4   | 035901 | 457007 |
| 1     | 035902 | 457010 |
| 1 1/4 | 035903 | 457012 |
| 1 1/2 | 035904 | 457015 |
| 2     | 035905 | 457020 |

## Union Fpt x Fpt Buna O-ring Seal



|       |        |        |
|-------|--------|--------|
| 1/2   | 035906 | 458005 |
| 3/4   | 035907 | 458007 |
| 1     | 035908 | 458010 |
| 1 1/4 | 035909 | 458012 |
| 1 1/2 | 035910 | 458015 |
| 2     | 035911 | 458020 |

## Wye Soc x Soc x Soc

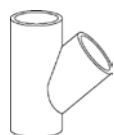


|           |        |        |
|-----------|--------|--------|
| 1 1/2     | 035912 | 475015 |
| 2         | 035913 | 475020 |
| 3         | 035915 | 475030 |
| 4         | 035916 | 475040 |
| 6         | 035917 | 475060 |
| 6 x 6 x 4 | 035922 | 475532 |
| 8         | 135866 | 475080 |

1-1/2" - 2" Wye - 235 psi maximum internal pressure @ 73°F  
 3" - 6 x 6 x 4 Wye - 150 psi maximum internal pressure @ 73°F  
 8" Wye - 100 psi maximum internal pressure @ 73°F

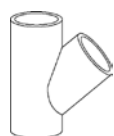
| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

#### Fabricated Wye Soc x Soc x Soc - 100 psi



|    |        |         |
|----|--------|---------|
| 8  | 125846 | 475080F |
| 10 | 125847 | 475100F |
| 12 | 125848 | 475120F |
| 14 | 125849 | 475140F |
| 16 | 125850 | 475160F |
| 18 | 125851 | 475180F |
| 20 | 125852 | 475200F |
| 24 | 125853 | 475240F |

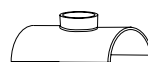
#### Fabricated Reducing Wye Soc x Soc x Soc - 100 psi



|         |        |         |
|---------|--------|---------|
| 8 x 4   | 125855 | 475582F |
| 8 x 6   | 125856 | 475585F |
| 10 x 4  | 125857 | 475624F |
| 10 x 6  | 125858 | 475626F |
| 10 x 8  | 125859 | 475628F |
| 12 x 4  | 125860 | 475664F |
| 12 x 6  | 125861 | 475666F |
| 12 x 8  | 125862 | 475668F |
| 12 x 10 | 125863 | 475670F |
| 14 x 4  | 125864 | 475694F |
| 14 x 6  | 125865 | 475696F |
| 14 x 8  | 125866 | 475698F |
| 14 x 10 | 125867 | 475700F |
| 14 x 12 | 125868 | 475702F |
| 16 x 4  | 125869 | 475754F |
| 16 x 6  | 125870 | 475756F |
| 16 x 8  | 125871 | 475758F |
| 16 x 10 | 125872 | 475760F |
| 16 x 12 | 125873 | 475762F |
| 16 x 14 | 125874 | 475764F |
| 18 x 4  | 125875 | 475784F |
| 18 x 6  | 125876 | 475786F |
| 18 x 8  | 125877 | 475788F |
| 18 x 10 | 125878 | 475790F |
| 18 x 12 | 125879 | 475792F |
| 18 x 14 | 125880 | 475794F |
| 18 x 16 | 125881 | 475796F |
| 20 x 4  | 125882 | 475814F |
| 20 x 6  | 125883 | 475816F |
| 20 x 8  | 125884 | 475818F |
| 20 x 10 | 125885 | 475820F |
| 20 x 12 | 125886 | 475822F |
| 20 x 14 | 125887 | 475824F |
| 20 x 16 | 125888 | 475826F |
| 20 x 18 | 125889 | 475828F |
| 24 x 4  | 125890 | 475904F |
| 24 x 6  | 125891 | 475906F |
| 24 x 8  | 125892 | 475908F |
| 24 x 10 | 125893 | 475910F |
| 24 x 12 | 125894 | 476912F |
| 24 x 14 | 125895 | 475914F |
| 24 x 16 | 125896 | 475916F |
| 24 x 18 | 125897 | 475918F |
| 24 x 20 | 125898 | 475920F |

| Dimension<br>inches | Sch 40 WHITE<br>Product Code | Universal<br>Number |
|---------------------|------------------------------|---------------------|
|---------------------|------------------------------|---------------------|

#### Saddles Pipe OD x Soc (Rated for 80 psi Open-Ended)



|             |        |        |
|-------------|--------|--------|
| 2 1/2 x 3/4 | 235048 | 463288 |
| * 3 x 1 1/4 | 035996 | 463336 |
| 3 x 1 1/2   | 235049 | 463337 |
| * 3 x 2     | 035995 | 463338 |
| * 4 x 1 1/4 | 035767 | 463418 |
| 4 x 1 1/2   | 035768 | 463419 |
| * 4 x 2     | 035769 | 463420 |
| * 5 x 1 1/2 | 235050 | 463485 |
| 5 x 2       | 035955 | 463486 |
| * 6 x 1 1/4 | 235051 | 463526 |
| 6 x 1 1/2   | 035588 | 463527 |
| * 6 x 2     | 035942 | 463528 |
| 6 x 4       | 035770 | 463532 |
| * 8 x 1 1/4 | 235052 | 463576 |
| 8 x 1 1/2   | 235053 | 463577 |
| * 8 x 2     | 235054 | 463578 |
| 8 x 4       | 035976 | 463582 |
| 10 x 4      | 035771 | 463624 |

\* These sizes are bushed.

#### Saddles Pipe OD x Fpt (Rated for 80 psi Open-Ended)



|             |        |        |
|-------------|--------|--------|
| 2 1/2 x 3/4 | 235055 | 464288 |
| 3 x 1 1/2   | 035993 | 464337 |
| 4 x 1 1/2   | 035772 | 464419 |
| 5 x 2       | 035943 | 464486 |
| 6 x 1 1/2   | 035587 | 464527 |
| 6 x 4       | 235056 | 464532 |
| 8 x 1 1/2   | 235057 | 464577 |
| 8 x 4       | 035774 | 464582 |
| 10 x 4      | 235058 | 464624 |

NOTE: When assembling Saddles to PVC pipe, IPEX recommends Industrial Polychemical Service (IPS) #719 cement, or equivalent. Although good connections may be accomplished without Saddle Straps, IPEX recommends the use of a clamp or strap device during the assembly step to insure good compression between the pipe and fitting surfaces as the solvent cures. For further details contact the factory.

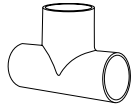
# XIRTEC PVC SCH. 40 GREY

Dimension  
inches

Sch 40 GREY  
Product Code

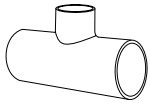
Universal  
Number

## Tee Soc x Soc x Soc



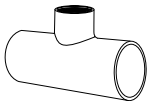
|       |        |         |
|-------|--------|---------|
| 1/2   | 035290 | 401005G |
| 3/4   | 035291 | 401007G |
| 1     | 035292 | 401010G |
| 1-1/4 | 035293 | 401012G |
| 1-1/2 | 035294 | 401015G |
| 2     | 035295 | 401020G |
| 2-1/2 | 035296 | 401025G |
| 3     | 035297 | 401030G |
| 4     | 035298 | 401040G |
| 5     | 035299 | 401050G |
| 6     | 035300 | 401060G |
| 8     | 035301 | 401080G |

## Reducing Tee Soc x Soc x Soc



|                       |        |         |
|-----------------------|--------|---------|
| 3/4 x 3/4 x 1/2       | 035305 | 401101G |
| 1 x 1 x 1/2           | 035307 | 401130G |
| 1 x 1 x 3/4           | 035308 | 401131G |
| 1-1/4 x 1-1/4 x 1/2   | 035311 | 401166G |
| 1-1/4 x 1-1/4 x 3/4   | 035312 | 401167G |
| 1-1/4 x 1-1/4 x 1     | 035313 | 401168G |
| 1-1/2 x 1-1/2 x 1/2   | 035315 | 401209G |
| 1-1/2 x 1-1/2 x 3/4   | 035316 | 401210G |
| 1-1/2 x 1-1/2 x 1     | 035317 | 401211G |
| 1-1/2 x 1-1/2 x 1-1/4 | 035318 | 401212G |
| 2 x 2 x 1/2           | 035319 | 401247G |
| 2 x 2 x 3/4           | 035320 | 401248G |
| 2 x 2 x 1             | 035321 | 401249G |
| 2 x 2 x 1-1/2         | 035322 | 401251G |
| 3 x 3 x 1-1/2         | 035327 | 401337G |
| 3 x 3 x 2             | 035328 | 401338G |
| 3 x 3 x 2-1/2         | 035329 | 401339G |
| 4 x 4 x 2             | 035331 | 401420G |
| 4 x 4 x 3             | 035332 | 401422G |
| 6 x 6 x 3             | 035334 | 401530G |
| 6 x 6 x 4             | 035335 | 401532G |

## Reducing Tee Soc x Soc x Fpt



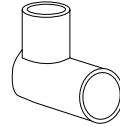
|                     |        |         |
|---------------------|--------|---------|
| 3/4 x 3/4 x 1/2     | 035348 | 402101G |
| 1 x 1 x 1/2         | 235059 | 402130G |
| 1 x 1 x 3/4         | 035349 | 402131G |
| 1-1/4 x 1-1/4 x 1/2 | 035350 | 402166G |
| 1-1/4 x 1-1/4 x 3/4 | 035977 | 402167G |
| 1-1/4 x 1-1/4 x 1   | 235060 | 402168G |
| 1-1/2 x 1-1/2 x 1/2 | 035351 | 402209G |
| 1-1/2 x 1-1/2 x 3/4 | 035352 | 402210G |
| 1-1/2 x 1-1/2 x 1   | 035353 | 402211G |
| 2 x 2 x 3/4         | 035355 | 402248G |
| 2 x 2 x 1           | 035356 | 402249G |
| 2 x 2 x 1-1/2       | 235061 | 402251G |

Dimension  
inches

Sch 40 GREY  
Product Code

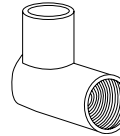
Universal  
Number

## 90° Elbow Soc x Soc



|       |        |         |
|-------|--------|---------|
| 3/8   | 035108 | 406003G |
| 1/2   | 035109 | 406005G |
| 3/4   | 035110 | 406007G |
| 1     | 035111 | 406010G |
| 1-1/4 | 035112 | 406012G |
| 1-1/2 | 035113 | 406015G |
| 2     | 035114 | 406020G |
| 2-1/2 | 035115 | 406025G |
| 3     | 035116 | 406030G |
| 4     | 035117 | 406040G |
| 5     | 035118 | 406050G |
| 6     | 035119 | 406060G |
| 8     | 035120 | 406080G |

## 90° Elbow Soc x Fpt



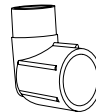
|       |        |         |
|-------|--------|---------|
| 1/2   | 035101 | 407005G |
| 3/4   | 035102 | 407007G |
| 1     | 035103 | 407010G |
| 1-1/4 | 035104 | 407012G |
| 1-1/2 | 035105 | 407015G |
| 2     | 035106 | 407020G |

## 90° Elbow Fpt x Fpt



|     |        |         |
|-----|--------|---------|
| 1/2 | 035125 | 408005G |
| 3/4 | 035126 | 408007G |
| 1   | 035127 | 408010G |

## 90° Street Elbow Spig x Soc



|       |        |         |
|-------|--------|---------|
| 1     | 135035 | 409010G |
| 1-1/2 | 035129 | 409015G |
| 2     | 035130 | 409020G |

## 90° Street Elbow Mpt x Fpt



|       |        |         |
|-------|--------|---------|
| 1/2   | 035132 | 412005G |
| 3/4   | 035133 | 412007G |
| 1     | 035134 | 412010G |
| 1-1/2 | 035135 | 412015G |

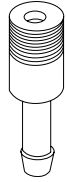
## 45° Elbow Soc x Soc



|       |        |         |
|-------|--------|---------|
| 1/2   | 035083 | 417005G |
| 3/4   | 035084 | 417007G |
| 1     | 035085 | 417010G |
| 1-1/4 | 035086 | 417012G |
| 1-1/2 | 035087 | 417015G |
| 2     | 035088 | 417020G |
| 2-1/2 | 035089 | 417025G |
| 3     | 035090 | 417030G |
| 4     | 035091 | 417040G |
| 5     | 035092 | 417050G |
| 6     | 035093 | 417060G |
| 8     | 035094 | 417080G |

| Dimension<br>inches | Sch 40 GREY<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

#### Hose Adapter (grey) Insert x Mpt

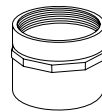


|       |        |          |
|-------|--------|----------|
| 1/2   | 035157 | 1436005G |
| 3/4   | 035158 | 1436007G |
| 1     | 035159 | 1436010G |
| 1-1/4 | 035160 | 1436012G |
| 1-1/2 | 035161 | 1436015G |
| 2     | 035162 | 1436020G |
| 2-1/2 | 035163 | 1436025G |
| 3     | 035164 | 1436030G |
| 4     | 035165 | 1436040G |

ASTM D2609 – Plastic Insert fitting for polyethylene

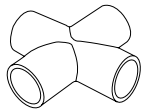
| Dimension<br>inches | Sch 40 GREY<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

#### Female Adapter Soc x Fpt



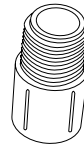
|       |        |         |
|-------|--------|---------|
| 1/2   | 035136 | 435005G |
| 3/4   | 035137 | 435007G |
| 1     | 035138 | 435010G |
| 1-1/4 | 035139 | 435012G |
| 1-1/2 | 035140 | 435015G |
| 2     | 035141 | 435020G |
| 2-1/2 | 035142 | 435025G |
| 3     | 035143 | 435030G |
| 4     | 035144 | 435040G |
| 5     | 035145 | 435050G |
| 6     | 035146 | 435060G |

#### Cross Soc x Soc x Soc x Soc



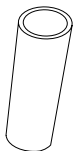
|       |        |         |
|-------|--------|---------|
| 1/2   | 035068 | 420005G |
| 3/4   | 035069 | 420007G |
| 1     | 035070 | 420010G |
| 1-1/4 | 035071 | 420012G |
| 1-1/2 | 035072 | 420015G |
| 2     | 035073 | 420020G |
| 2-1/2 | 035074 | 420025G |
| 3     | 035075 | 420030G |
| 4     | 035076 | 420040G |

#### Male Adapter Soc x Mpt



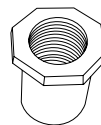
|       |        |         |
|-------|--------|---------|
| 1/2   | 035167 | 436005G |
| 3/4   | 035168 | 436007G |
| 1     | 035169 | 436010G |
| 1-1/4 | 035170 | 436012G |
| 1-1/2 | 035171 | 436015G |
| 2     | 035172 | 436020G |
| 2-1/2 | 035173 | 436025G |
| 3     | 035174 | 436030G |
| 4     | 035175 | 436040G |
| 5     | 035176 | 436050G |
| 6     | 035177 | 436060G |

#### Coupling Soc x Soc



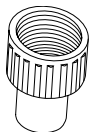
|       |        |         |
|-------|--------|---------|
| 1/2   | 035052 | 429005G |
| 3/4   | 035053 | 429007G |
| 1     | 035054 | 429010G |
| 1-1/4 | 035055 | 429012G |
| 1-1/2 | 035056 | 429015G |
| 2     | 035057 | 429020G |
| 2-1/2 | 035058 | 429025G |
| 3     | 035059 | 429030G |
| 4     | 035060 | 429040G |
| 5     | 035061 | 429050G |
| 6     | 035062 | 429060G |
| 8     | 035063 | 429080G |

#### Reducer Bushing Spig x Fpt



|               |        |         |
|---------------|--------|---------|
| 1/2 x 1/4     | 035258 | 438072G |
| 1/2 x 3/8     | 035259 | 438073G |
| 3/4 x 1/2     | 035260 | 438101G |
| 1 x 1/2       | 035262 | 438130G |
| 1 x 3/4       | 035263 | 438131G |
| 1-1/4 x 1/2   | 035264 | 438166G |
| 1-1/4 x 3/4   | 035265 | 438167G |
| 1-1/4 x 1     | 035266 | 438168G |
| 1-1/2 x 1/2   | 035267 | 438209G |
| 1-1/2 x 3/4   | 035268 | 438210G |
| 1-1/2 x 1     | 035269 | 438211G |
| 1-1/2 x 1-1/4 | 035270 | 438212G |
| 2 x 1/2       | 035271 | 438247G |
| 2 x 3/4       | 035272 | 438248G |
| 2 x 1         | 035273 | 438249G |
| 2 x 1-1/4     | 035274 | 438250G |
| 2 x 1-1/2     | 035275 | 438251G |
| 2-1/2 x 1-1/2 | 035277 | 438291G |
| 2-1/2 x 2     | 035278 | 438292G |
| 3 x 2         | 035283 | 438338G |
| 4 x 2         | 035285 | 438420G |
| 4 x 3         | 035286 | 438422G |
| 5 x 4         | 235062 | 438490G |
| 6 x 4         | 035287 | 438532G |

#### Female Adapter Spig x Fpt

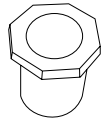


|       |        |         |
|-------|--------|---------|
| 1/2   | 035148 | 478005G |
| 3/4   | 035149 | 478007G |
| 1     | 035150 | 478010G |
| 1-1/4 | 035151 | 478012G |
| 1-1/2 | 035152 | 478015G |
| 2     | 035153 | 478020G |
| 3     | 035155 | 478030G |
| 4     | 035156 | 478040G |

# XIRTEC PVC SCH. 40 GREY

Dimension inches    Sch 40 GREY Product Code    Universal Number

## Reducer Bushing Spig x Soc



|               |        |         |
|---------------|--------|---------|
| 3/4 x 1/2     | 035209 | 437101G |
| 1 x 1/2       | 035211 | 437130G |
| 1 x 3/4       | 035212 | 437131G |
| 1-1/4 x 1/2   | 035213 | 437166G |
| 1-1/4 x 3/4   | 035214 | 437167G |
| 1-1/4 x 1     | 035215 | 437168G |
| 1-1/2 x 1/2   | 035216 | 437209G |
| 1-1/2 x 3/4   | 035217 | 437210G |
| 1-1/2 x 1     | 035218 | 437211G |
| 1-1/2 x 1-1/4 | 035219 | 437212G |
| 2 x 1/2       | 035220 | 437247G |
| 2 x 3/4       | 035221 | 437248G |
| 2 x 1         | 035222 | 437249G |
| 2 x 1-1/4     | 035223 | 437250G |
| 2 x 1-1/2     | 035224 | 437251G |
| 2-1/2 x 1     | 035226 | 437289G |
| 2-1/2 x 1-1/4 | 035227 | 437290G |
| 2-1/2 x 1-1/2 | 035228 | 437291G |
| 2-1/2 x 2     | 035229 | 437292G |
| 3 x 1         | 035231 | 437335G |
| 3 x 1-1/4     | 035232 | 437336G |
| 3 x 1-1/2     | 035233 | 437337G |
| 3 x 2         | 035234 | 437338G |
| 3 x 2-1/2     | 035235 | 437339G |
| 4 x 2         | 035238 | 437420G |
| 4 x 2-1/2     | 035239 | 437421G |
| 4 x 3         | 035240 | 437422G |
| 5 x 4         | 035241 | 437490G |
| 6 x 4         | 035244 | 437532G |
| 8 x 6         | 035246 | 437585G |

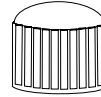
## Cap Soc



|       |        |         |
|-------|--------|---------|
| 3/8   | 035590 | 447003G |
| 1/2   | 035017 | 447005G |
| 3/4   | 035018 | 447007G |
| 1     | 035019 | 447010G |
| 1-1/4 | 035020 | 447012G |
| 1-1/2 | 035021 | 447015G |
| 2     | 035022 | 447020G |
| 2-1/2 | 035023 | 447025G |
| 3     | 035024 | 447030G |
| 4     | 035025 | 447040G |
| 5     | 035026 | 447050G |
| 6     | 035027 | 447060G |
| 8     | 035028 | 447080G |

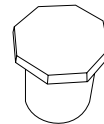
Dimension inches    Sch 40 GREY Product Code    Universal Number

## Cap Fpt



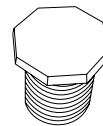
|       |        |         |
|-------|--------|---------|
| 1/2   | 035032 | 448005G |
| 3/4   | 035033 | 448007G |
| 1     | 035034 | 448010G |
| 1-1/4 | 035035 | 448012G |
| 1-1/2 | 035036 | 448015G |
| 2     | 035037 | 448020G |
| 3     | 035038 | 448030G |
| 4     | 035039 | 448040G |

## Plug Spig



|       |        |         |
|-------|--------|---------|
| 1/2   | 035197 | 449005G |
| 3/4   | 035198 | 449007G |
| 1     | 035199 | 449010G |
| 1-1/4 | 035200 | 449012G |
| 1-1/2 | 035201 | 449015G |
| 2     | 035202 | 449020G |
| 3     | 035204 | 449030G |

## Plug Mpt



|       |        |         |
|-------|--------|---------|
| 1/2   | 035188 | 450005G |
| 3/4   | 035189 | 450007G |
| 1     | 035190 | 450010G |
| 1-1/4 | 035191 | 450012G |
| 1-1/2 | 035192 | 450015G |
| 2     | 035193 | 450020G |
| 2-1/2 | 035194 | 450025G |
| 3     | 035195 | 450030G |
| 4     | 035196 | 450040G |

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- BIM coming soon

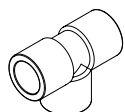


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# XIRTEC PVC SCH. 80

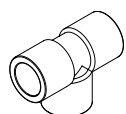
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Tee Soc x Soc x Soc



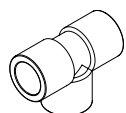
|       |        |        |
|-------|--------|--------|
| 1/4   | 036768 | 801002 |
| 3/8   | 036769 | 801003 |
| 1/2   | 036770 | 801005 |
| 3/4   | 036771 | 801007 |
| 1     | 036772 | 801010 |
| 1 1/4 | 036773 | 801012 |
| 1 1/2 | 036774 | 801015 |
| 2     | 036775 | 801020 |
| 2 1/2 | 036776 | 801025 |
| 3     | 036777 | 801030 |
| 4     | 036778 | 801040 |
| 6     | 036780 | 801060 |
| 8     | 036781 | 801080 |
| 10    | 036866 | 801100 |
| 12    | 036876 | 801120 |

## Fabricated Tee Soc x Soc x Soc



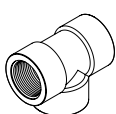
|    |        |         |
|----|--------|---------|
| 10 | 109017 | 801100F |
| 12 | 109018 | 801120F |
| 14 | 109019 | 801140F |
| 16 | 109020 | 801160F |
| 18 | 109021 | 801180F |
| 20 | 109022 | 801200F |
| 24 | 109023 | 801240F |

## Tee Soc x Soc x Fpt



|     |        |        |
|-----|--------|--------|
| 1/2 | 036828 | 802005 |
| 3/4 | 036829 | 802007 |
| 1   | 036830 | 802010 |

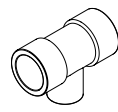
## Tee Fpt x Fpt x Fpt



|       |        |        |
|-------|--------|--------|
| 1/4   | 036817 | 805002 |
| 3/8   | 036818 | 805003 |
| 1/2   | 036819 | 805005 |
| 3/4   | 036820 | 805007 |
| 1     | 036821 | 805010 |
| 1 1/4 | 036822 | 805012 |
| 1 1/2 | 036823 | 805015 |
| 2     | 036824 | 805020 |
| 2 1/2 | 036825 | 805025 |
| 3     | 036826 | 805030 |
| 4     | 036827 | 805040 |

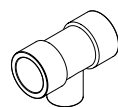
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Reducing Tee Soc x Soc x Soc



|                     |        |        |
|---------------------|--------|--------|
| 3/4 x 3/4 x 1/2     | 036786 | 801101 |
| 3/4 x 3/4 x 1       | 036787 | 801102 |
| 1 x 3/4 x 1         | 036791 | 801126 |
| 1 x 1 x 1/2         | 036788 | 801130 |
| 1 x 1 x 3/4         | 036789 | 801131 |
| 1 1/4 x 1 x 3/4     | 036792 | 801157 |
| 1 1/4 x 1 1/4 x 3/4 | 036793 | 801167 |
| 1 1/4 x 1 1/4 x 1   | 036794 | 801168 |
| 1 1/2 x 1 1/2 x 3/4 | 136039 | 801210 |
| 1 1/2 x 1 1/2 x 1   | 036796 | 801211 |
| 2 x 2 x 1/2         | 136040 | 801247 |
| 2 x 2 x 3/4         | 136041 | 801248 |
| 2 x 2 x 1           | 036799 | 801249 |
| 2 x 2 x 1 1/2       | 036800 | 801251 |
| 3 x 3 x 2           | 036802 | 801338 |
| 3 x 3 x 2 1/2       | 136042 | 801339 |
| 4 x 4 x 2           | 036804 | 801420 |
| 4 x 4 x 3           | 036805 | 801422 |
| 6 x 6 x 3           | 036807 | 801530 |
| 6 x 6 x 4           | 036808 | 801532 |
| 8 x 8 x 6           | 036810 | 801585 |

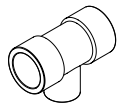
## Fabricated Reducing Tee Soc x Soc x Soc



|              |        |         |
|--------------|--------|---------|
| 8 x 8 x 4    | 109027 | 801582F |
| 10 x 10 x 4  | 109032 | 801624F |
| 10 x 10 x 6  | 109033 | 801626F |
| 10 x 10 x 8  | 109034 | 801628F |
| 12 x 12 x 4  | 109037 | 801664F |
| 12 x 12 x 6  | 109038 | 801666F |
| 12 x 12 x 8  | 109039 | 801668F |
| 12 x 12 x 10 | 109040 | 801670F |
| 14 x 14 x 4  | 109041 | 801694F |
| 14 x 14 x 6  | 109042 | 801696F |
| 14 x 14 x 8  | 109043 | 801698F |
| 14 x 14 x 10 | 109044 | 801700F |
| 14 x 14 x 12 | 109045 | 801702F |
| 16 x 16 x 4  | 109047 | 801754F |
| 16 x 16 x 6  | 109048 | 801756F |
| 16 x 16 x 8  | 109049 | 801758F |
| 16 x 16 x 10 | 109050 | 801760F |
| 16 x 16 x 12 | 109051 | 801762F |
| 16 x 16 x 14 | 109052 | 801764F |
| 18 x 18 x 4  | 109053 | 801784F |
| 18 x 18 x 6  | 109054 | 801786F |
| 18 x 18 x 8  | 109055 | 801788F |
| 18 x 18 x 10 | 109056 | 801790F |
| 18 x 18 x 12 | 109057 | 801792F |
| 18 x 18 x 14 | 109058 | 801794F |
| 18 x 18 x 16 | 109059 | 801796F |

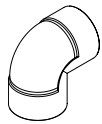
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

### Fabricated Reducing Tee Soc x Soc x Soc (cont)



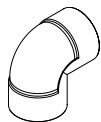
|              |        |         |
|--------------|--------|---------|
| 20 x 20 x 4  | 109060 | 801814F |
| 20 x 20 x 6  | 109061 | 801816F |
| 20 x 20 x 8  | 109062 | 801818F |
| 20 x 20 x 10 | 109063 | 801820F |
| 20 x 20 x 12 | 109064 | 801822F |
| 20 x 20 x 14 | 109065 | 801824F |
| 20 x 20 x 16 | 109066 | 801826F |
| 20 x 20 x 18 | 109067 | 801828F |
| 24 x 24 x 4  | 109068 | 801904F |
| 24 x 24 x 6  | 109069 | 801906F |
| 24 x 24 x 8  | 109070 | 801908F |
| 24 x 24 x 10 | 109071 | 801910F |
| 24 x 24 x 12 | 109072 | 801912F |
| 24 x 24 x 14 | 109073 | 801914F |
| 24 x 24 x 16 | 109074 | 801916F |
| 24 x 24 x 18 | 109075 | 801918F |
| 24 x 24 x 20 | 109076 | 801920F |

### 90° Elbow Soc x Soc



|       |        |        |
|-------|--------|--------|
| 1/4   | 036179 | 806002 |
| 3/8   | 036180 | 806003 |
| 1/2   | 036181 | 806005 |
| 3/4   | 036182 | 806007 |
| 1     | 036183 | 806010 |
| 1 1/4 | 036184 | 806012 |
| 1 1/2 | 036185 | 806015 |
| 2     | 036186 | 806020 |
| 2 1/2 | 036187 | 806025 |
| 3     | 036188 | 806030 |
| 4     | 036189 | 806040 |
| 6     | 036191 | 806060 |
| 8     | 036192 | 806080 |
| 10    | 036864 | 806100 |
| 12    | 036865 | 806120 |

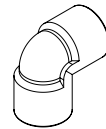
### Fabricated 90° Elbow Soc x Soc



|    |        |         |
|----|--------|---------|
| 10 | 109211 | 806100F |
| 12 | 109200 | 806120F |
| 14 | 109201 | 806140F |
| 16 | 109202 | 806160F |
| 18 | 109203 | 806180F |
| 20 | 109204 | 806200F |
| 24 | 109205 | 806240F |

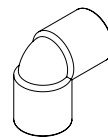
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

### 90° Elbow Fpt x Fpt



|       |        |        |
|-------|--------|--------|
| 1/4   | 036197 | 808002 |
| 3/8   | 036198 | 808003 |
| 1/2   | 036199 | 808005 |
| 3/4   | 036200 | 808007 |
| 1     | 036201 | 808010 |
| 1 1/4 | 036202 | 808012 |
| 1 1/2 | 036203 | 808015 |
| 2     | 036204 | 808020 |
| 2 1/2 | 036205 | 808025 |
| 3     | 036206 | 808030 |
| 4     | 036207 | 808040 |

### 90° Elbow Soc x Fpt

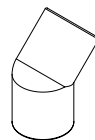


|       |        |        |
|-------|--------|--------|
| 1/2   | 036172 | 807005 |
| 3/4   | 036173 | 807007 |
| 1     | 036174 | 807010 |
| 1 1/4 | 036175 | 807012 |
| 1 1/2 | 036176 | 807015 |
| 2     | 036177 | 807020 |

### Fabricated 60° Elbow Soc x Soc

|    |        |         |
|----|--------|---------|
| 6  | 109186 | 824060F |
| 8  | 109187 | 824080F |
| 10 | 109188 | 824100F |
| 12 | 109189 | 824120F |
| 14 | 109190 | 824140F |
| 16 | 109191 | 824160F |
| 18 | 109192 | 824180F |
| 20 | 109193 | 824200F |
| 24 | 109194 | 824240F |

### 45° Elbow Soc x Soc

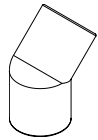


|       |        |        |
|-------|--------|--------|
| 1/4   | 036142 | 817002 |
| 3/8   | 036143 | 817003 |
| 1/2   | 036144 | 817005 |
| 3/4   | 036145 | 817007 |
| 1     | 036146 | 817010 |
| 1 1/4 | 036147 | 817012 |
| 1 1/2 | 036148 | 817015 |
| 2     | 036149 | 817020 |
| 2 1/2 | 036150 | 817025 |
| 3     | 036151 | 817030 |
| 4     | 036152 | 817040 |
| 6     | 036154 | 817060 |
| 8     | 036155 | 817080 |
| 10    | 036862 | 817100 |
| 12    | 036863 | 817120 |

# XIRTEC PVC SCH. 80

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Fabricated 45° Elbow Soc x Soc



|    |        |         |
|----|--------|---------|
| 10 | 109178 | 817100F |
| 12 | 109179 | 817120F |
| 14 | 109181 | 817140F |
| 16 | 109182 | 817160F |
| 18 | 109183 | 817180F |
| 20 | 109184 | 817200F |
| 24 | 109185 | 817240F |

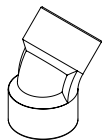
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Fabricated 22-1/2° Elbow Soc x Soc



|    |        |         |
|----|--------|---------|
| 8  | 109155 | 816080F |
| 10 | 109156 | 816100F |
| 12 | 109157 | 816120F |
| 14 | 109158 | 816140F |
| 16 | 109159 | 816160F |
| 18 | 109160 | 816180F |
| 20 | 109161 | 816200F |
| 24 | 109162 | 816240F |

## 45° Elbow Fpt x Fpt



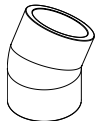
|       |        |        |
|-------|--------|--------|
| 1/4   | 036160 | 819002 |
| 3/8   | 036161 | 819003 |
| 1/2   | 036162 | 819005 |
| 3/4   | 036163 | 819007 |
| 1     | 036164 | 819010 |
| 1 1/4 | 036165 | 819012 |
| 1 1/2 | 036166 | 819015 |
| 2     | 036167 | 819020 |
| 2 1/2 | 036168 | 819025 |
| 3     | 036169 | 819030 |
| 4     | 036170 | 819040 |

## Fabricated 15° Elbow Soc x Soc



|    |        |         |
|----|--------|---------|
| 4  | 109143 | 818040F |
| 6  | 109144 | 818060F |
| 8  | 109145 | 818080F |
| 10 | 109146 | 818100F |
| 12 | 109147 | 818120F |
| 14 | 109148 | 818140F |
| 16 | 109149 | 818160F |
| 18 | 109150 | 818180F |
| 20 | 109151 | 818200F |
| 24 | 109152 | 818240F |

## Fabricated 30° Elbow Soc x Soc



|    |        |         |
|----|--------|---------|
| 4  | 109163 | 815040F |
| 6  | 109164 | 815060F |
| 8  | 109165 | 815080F |
| 10 | 109166 | 815100F |
| 12 | 109167 | 815120F |
| 14 | 109168 | 815140F |
| 16 | 109169 | 815160F |
| 18 | 109170 | 815180F |
| 20 | 109171 | 815200F |
| 24 | 109172 | 815240F |

## Fabricated 11-1/4° Elbow Soc x Soc



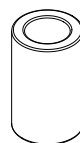
|    |        |         |
|----|--------|---------|
| 4  | 109133 | 811040F |
| 6  | 109134 | 811060F |
| 8  | 109135 | 811080F |
| 10 | 109136 | 811100F |
| 12 | 109137 | 811120F |
| 14 | 109138 | 811140F |
| 16 | 109139 | 811160F |
| 18 | 109140 | 811180F |
| 20 | 109141 | 811200F |
| 24 | 109142 | 811240F |

## 22-1/2° Elbow Soc x Soc



|   |        |        |
|---|--------|--------|
| 2 | 036134 | 816020 |
| 3 | 036135 | 816030 |
| 4 | 036136 | 816040 |
| 6 | 036137 | 816060 |
| 8 | 036888 | 816080 |

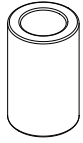
## Coupling Soc x Soc



|       |        |        |
|-------|--------|--------|
| 1/4   | 036088 | 829002 |
| 3/8   | 036089 | 829003 |
| 1/2   | 036090 | 829005 |
| 3/4   | 036091 | 829007 |
| 1     | 036092 | 829010 |
| 1 1/4 | 036093 | 829012 |
| 1 1/2 | 036094 | 829015 |
| 2     | 036095 | 829020 |
| 2 1/2 | 036096 | 829025 |
| 3     | 036097 | 829030 |
| 4     | 036098 | 829040 |
| 6     | 036099 | 829060 |
| 8     | 036100 | 829080 |
| 10    | 236021 | 829100 |
| 12    | 236022 | 829120 |

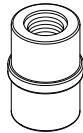
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

#### Fabricated Coupling Soc x Soc



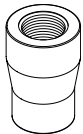
|    |        |         |
|----|--------|---------|
| 10 | 036101 | 829100F |
| 12 | 036102 | 829120F |
| 14 | 036103 | 829140F |
| 16 | 036889 | 829160F |
| 18 | 236045 | 829180F |
| 20 | 236046 | 829200F |
| 24 | 236047 | 829240F |

#### Coupling Fpt x Fpt



|       |        |        |
|-------|--------|--------|
| 1/4   | 036104 | 830002 |
| 3/8   | 036105 | 830003 |
| 1/2   | 036106 | 830005 |
| 3/4   | 036107 | 830007 |
| 1     | 036108 | 830010 |
| 1 1/4 | 036109 | 830012 |
| 1 1/2 | 036110 | 830015 |
| 2     | 036111 | 830020 |
| 2 1/2 | 036112 | 830025 |
| 3     | 036113 | 830030 |
| 4     | 036114 | 830040 |

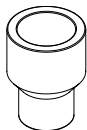
#### Reducer Coupling Fpt x Fpt



|             |        |          |
|-------------|--------|----------|
| 1/2 x 1/4   | 036746 | 830072   |
| 3/4 x 1/2   | 036748 | 830101   |
| * 1 x 1/2   | 036749 | 830130SR |
| * 1 x 3/4   | 036750 | 830131SR |
| 1 1/4 x 3/4 | 036751 | 830167   |
| * 1 1/2 x 1 | 036754 | 830211SR |
| * 2 x 1 1/2 | 036758 | 830251SR |

\*Only available in SR version

#### Reducer Coupling Soc x Soc

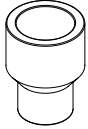


|               |        |        |
|---------------|--------|--------|
| 3/4 x 1/2     | 036719 | 829101 |
| 1 x 1/2       | 036720 | 829130 |
| 1 x 3/4       | 036721 | 829131 |
| 1 1/4 x 3/4   | 136030 | 829167 |
| 1 1/4 x 1     | 036724 | 829168 |
| 1 1/2 x 1/2   | 136028 | 829209 |
| 1 1/2 x 3/4   | 136029 | 829210 |
| 1 1/2 x 1     | 036727 | 829211 |
| 1 1/2 x 1 1/4 | 036728 | 829212 |
| 2 x 1/2       | 036897 | 829247 |
| 2 x 1         | 036729 | 829249 |
| 2 x 1 1/2     | 036731 | 829251 |
| 3 x 2         | 036735 | 829338 |
| 4 x 2         | 036736 | 829420 |
| 4 x 3         | 036738 | 829422 |
| 6 x 4         | 036740 | 829532 |
| 8 x 6         | 036743 | 829585 |

# XIRTEC PVC SCH. 80

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

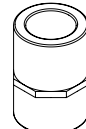
## Fabricated Eccentric Reducer Coupling Soc x Soc



|         |        |          |
|---------|--------|----------|
| 4 x 3   | 109410 | 829422FE |
| 6 x 4   | 109411 | 829532FE |
| 8 x 4   | 109412 | 829582FE |
| 8 x 6   | 109413 | 829585FE |
| 10 x 4  | 109414 | 829624FE |
| 10 x 6  | 109415 | 829626FE |
| 10 x 8  | 109416 | 829628FE |
| 12 x 4  | 109417 | 829664FE |
| 12 x 6  | 109418 | 829666FE |
| 12 x 8  | 109419 | 829668FE |
| 12 x 10 | 109420 | 829670FE |
| 14 x 4  | 109421 | 829694FE |
| 14 x 6  | 109422 | 829696FE |
| 14 x 8  | 109423 | 829698FE |
| 14 x 10 | 109424 | 829700FE |
| 14 x 12 | 109425 | 829702FE |
| 16 x 4  | 109426 | 829754FE |
| 16 x 6  | 109427 | 829756FE |
| 16 x 8  | 109428 | 829758FE |
| 16 x 10 | 109429 | 829760FE |
| 16 x 12 | 109430 | 829762FE |
| 16 x 14 | 109431 | 829764FE |
| 18 x 4  | 109432 | 829784FE |
| 18 x 6  | 109433 | 829786FE |
| 18 x 8  | 109434 | 829788FE |
| 18 x 10 | 109435 | 829790FE |
| 18 x 12 | 109436 | 829792FE |
| 18 x 14 | 109437 | 829794FE |
| 18 x 16 | 109438 | 829796FE |
| 20 x 12 | 109443 | 829822FE |
| 20 x 14 | 109444 | 829824FE |
| 20 x 16 | 109445 | 829826FE |
| 20 x 18 | 109446 | 829828FE |
| 24 x 4  | 109447 | 829904FE |
| 24 x 6  | 109448 | 829906FE |
| 24 x 8  | 109449 | 829908FE |
| 24 x 10 | 109450 | 829910FE |
| 24 x 12 | 109451 | 829912FE |
| 24 x 14 | 109452 | 829914FE |
| 24 x 16 | 109453 | 829916FE |
| 24 x 18 | 109454 | 829918FE |
| 24 x 20 | 109455 | 829920FE |

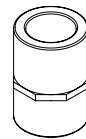
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Female Adapter Soc x Fpt



|       |        |        |
|-------|--------|--------|
| 1/4   | 036209 | 835002 |
| 3/8   | 036210 | 835003 |
| 1/2   | 036211 | 835005 |
| 3/4   | 036212 | 835007 |
| 1     | 036213 | 835010 |
| 1 1/4 | 036214 | 835012 |
| 1 1/2 | 036215 | 835015 |
| 2     | 036216 | 835020 |
| 2 1/2 | 036217 | 835025 |
| 3     | 036218 | 835030 |
| 4     | 036219 | 835040 |

## Fabricated Female Adapter Soc x Fpt

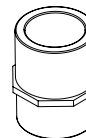


|    |        |         |
|----|--------|---------|
| 6  | 109216 | 835060F |
| 8  | 109222 | 835080F |
| 10 | 109228 | 835100F |
| 12 | 109234 | 835120F |

## Female Adapter Sp x Fpt

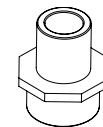
|    |        |         |
|----|--------|---------|
| 6  | 109220 | 878060F |
| 8  | 109226 | 878080F |
| 10 | 109232 | 878100F |
| 12 | 109238 | 878120F |

## Female Adapter Soc x Fpt (SS reinforced)



|       |        |          |
|-------|--------|----------|
| 1/2   | 036971 | 835005SR |
| 3/4   | 036972 | 835007SR |
| 1     | 036973 | 835010SR |
| 1 1/4 | 036974 | 835012SR |
| 1 1/2 | 036975 | 835015SR |
| 2     | 036976 | 835020SR |
| 2 1/2 | 036977 | 835025SR |
| 3     | 036978 | 835030SR |
| 4     | 036979 | 835040SR |

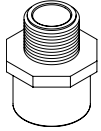
## Female Adapter Spig x Fpt (SS reinforced)



|       |        |          |
|-------|--------|----------|
| 1/2   | 036965 | 878005SR |
| 3/4   | 036966 | 878007SR |
| 1     | 036967 | 878010SR |
| 1 1/4 | 036968 | 878012SR |
| 1 1/2 | 036969 | 878015SR |
| 2     | 036970 | 878020SR |
| 3     | 236000 | 878030SR |
| 4     | 236001 | 878040SR |

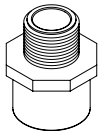
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

#### Male Adapter Soc x Mpt



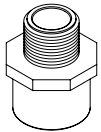
|       |        |        |
|-------|--------|--------|
| 1/2   | 036420 | 836005 |
| 3/4   | 036421 | 836007 |
| 1     | 036422 | 836010 |
| 1 1/4 | 036423 | 836012 |
| 1 1/2 | 036424 | 836015 |
| 2     | 036425 | 836020 |
| 2 1/2 | 036426 | 836025 |
| 3     | 036427 | 836030 |
| 4     | 036428 | 836040 |

#### Fabricated Male Adapter Soc x Mpt



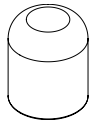
|    |        |         |
|----|--------|---------|
| 6  | 109217 | 836060F |
| 8  | 109223 | 836080F |
| 10 | 109229 | 836100F |
| 12 | 109235 | 836120F |

#### Male Adapter Sp x Mpt



|    |         |        |
|----|---------|--------|
| 6  | 861060F | 109221 |
| 8  | 861080F | 109227 |
| 10 | 861100F | 109233 |
| 12 | 861120F | 109239 |

#### Cap Soc



|       |        |        |
|-------|--------|--------|
| 1/4   | 847002 | 036056 |
| 3/8   | 847003 | 036057 |
| 1/2   | 847005 | 036058 |
| 3/4   | 847007 | 036059 |
| 1     | 847010 | 036060 |
| 1 1/4 | 847012 | 036061 |
| 1 1/2 | 847015 | 036062 |
| 2     | 847020 | 036063 |
| 2 1/2 | 847025 | 036064 |
| 3     | 847030 | 036065 |
| 4     | 847040 | 036066 |
| 6     | 847060 | 036067 |
| 8     | 847080 | 036068 |
| 10    | 847100 | 236023 |
| 12    | 847120 | 236024 |

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

#### Fabricated Cap



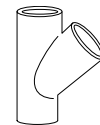
|    |        |         |
|----|--------|---------|
| 10 | 109474 | 847100F |
| 12 | 109475 | 847120F |
| 14 | 109476 | 847140F |
| 16 | 109477 | 847160F |
| 18 | 109478 | 847180F |
| 20 | 109479 | 847200F |
| 24 | 109480 | 847240F |

#### Cap Fpt



|       |        |        |
|-------|--------|--------|
| 1/4   | 036072 | 848002 |
| 3/8   | 036073 | 848003 |
| 1/2   | 036074 | 848005 |
| 3/4   | 036075 | 848007 |
| 1     | 036076 | 848010 |
| 1 1/4 | 036077 | 848012 |
| 1 1/2 | 036078 | 848015 |
| 2     | 036079 | 848020 |
| 2 1/2 | 036080 | 848025 |
| 3     | 036081 | 848030 |
| 4     | 036082 | 848040 |

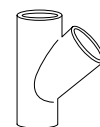
#### Wye Soc x Soc x Soc



|       |        |        |
|-------|--------|--------|
| 1 1/2 | 036854 | 875015 |
| 2     | 036855 | 875020 |
| 3     | 036856 | 875030 |
| 4     | 036857 | 875040 |
| 6     | 036858 | 875060 |
| 6 x 4 | 036861 | 875532 |
| 8     | 036895 | 875080 |

1/2" - 2" Wye - 235 psi maximum internal pressure rating @ 73°F  
 3" - 6 x 6 x 4" Wye - 150 psi maximum internal pressure rating @ 73°F  
 8" wye - 100 psi maximum internal pressure

#### Fabricated Wye Soc x Soc x Soc - 100 psi



|    |        |         |
|----|--------|---------|
| 8  | 109587 | 875080F |
| 10 | 109588 | 875100F |
| 12 | 109589 | 875120F |
| 14 | 109590 | 875140F |
| 16 | 109591 | 875160F |
| 18 | 109592 | 875180F |
| 20 | 109593 | 875200F |
| 24 | 109594 | 875240F |

# XIRTEC PVC SCH. 80

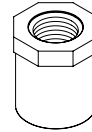
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Fabricated Reducing Wye Soc x Soc x Soc 100 psi

|         |        |         |
|---------|--------|---------|
| 8 x 4   | 109595 | 875582F |
| 8 x 6   | 109596 | 875585F |
| 10 x 4  | 109597 | 875624F |
| 10 x 6  | 109598 | 875626F |
| 10 x 8  | 109599 | 875628F |
| 12 x 4  | 109600 | 875664F |
| 12 x 6  | 109601 | 875666F |
| 12 x 8  | 109602 | 875668F |
| 12 x 10 | 109603 | 875670F |
| 14 x 4  | 109604 | 875694F |
| 14 x 6  | 109605 | 875696F |
| 14 x 8  | 109606 | 875698F |
| 14 x 10 | 109607 | 875700F |
| 14 x 12 | 109608 | 875702F |
| 16 x 4  | 109609 | 875754F |
| 16 x 6  | 109610 | 875756F |
| 16 x 8  | 109611 | 875758F |
| 16 x 10 | 109612 | 875760F |
| 16 x 12 | 109613 | 875762F |
| 16 x 14 | 109614 | 875764F |
| 18 x 4  | 109615 | 875784F |
| 18 x 6  | 109616 | 875786F |
| 18 x 8  | 109617 | 875788F |
| 18 x 10 | 109618 | 875790F |
| 18 x 12 | 109619 | 875792F |
| 18 x 14 | 109620 | 875794F |
| 18 x 16 | 109621 | 875796F |
| 20 x 4  | 109622 | 875814F |
| 20 x 6  | 109623 | 875816F |
| 20 x 8  | 109624 | 875818F |
| 20 x 10 | 109625 | 875820F |
| 20 x 12 | 109626 | 875822F |
| 20 x 14 | 109627 | 875824F |
| 20 x 16 | 109628 | 875826F |
| 20 x 18 | 109629 | 875828F |
| 24 x 4  | 109630 | 875904F |
| 24 x 6  | 109631 | 875906F |
| 24 x 8  | 109632 | 875908F |
| 24 x 10 | 109633 | 875910F |
| 24 x 12 | 109634 | 875912F |
| 24 x 14 | 109635 | 875914F |
| 24 x 16 | 109636 | 875916F |
| 24 x 18 | 109637 | 875918F |
| 24 x 20 | 109638 | 875920F |

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

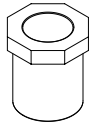
## Reducer Bushing Sp x Soc (flushstyle)



|               |        |        |
|---------------|--------|--------|
| 3/8 x 1/4     | 036599 | 837052 |
| 1/2 x 1/4     | 036600 | 837072 |
| 1/2 x 3/8     | 036601 | 837073 |
| 3/4 x 1/2     | 036604 | 837101 |
| 1 x 1/2       | 036605 | 837130 |
| 1 x 3/4       | 036606 | 837131 |
| 1 1/4 x 1/2   | 036607 | 837166 |
| 1 1/4 x 3/4   | 036608 | 837167 |
| 1 1/4 x 1     | 036609 | 837168 |
| 1 1/2 x 1/2   | 036610 | 837209 |
| 1 1/2 x 3/4   | 036611 | 837210 |
| 1 1/2 x 1     | 036612 | 837211 |
| 1 1/2 x 1 1/4 | 036613 | 837212 |
| 2 x 1/2       | 036614 | 837247 |
| 2 x 3/4       | 036615 | 837248 |
| 2 x 1         | 036616 | 837249 |
| 2 x 1 1/4     | 036617 | 837250 |
| 2 x 1 1/2     | 036618 | 837251 |
| 2 1/2 x 1 1/4 | 136036 | 837290 |
| 2 1/2 x 1 1/2 | 136037 | 837291 |
| 2 1/2 x 2     | 036622 | 837292 |
| 3 x 1         | 036623 | 837335 |
| 3 x 1 1/4     | 136038 | 837336 |
| 3 x 1 1/2     | 036624 | 837337 |
| 3 x 2         | 036625 | 837338 |
| 3 x 2 1/2     | 036626 | 837339 |
| 4 x 2         | 036628 | 837420 |
| 4 x 2 1/2     | 036629 | 837421 |
| 4 x 3         | 036630 | 837422 |
| 6 x 2         | 036632 | 837528 |
| 6 x 3         | 036633 | 837530 |
| 6 x 4         | 036634 | 837532 |
| 8 x 4         | 136155 | 837582 |
| 8 x 6         | 036638 | 837585 |
| 10 X 6        | 236025 | 837626 |
| 10 x 8        | 036270 | 837628 |
| 12 X 8        | 236027 | 837668 |
| 12 X 10       | 236028 | 837670 |

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

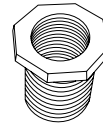
#### Fabricated Reducer Bushing Sp x Soc (flushstyle)



|         |        |         |
|---------|--------|---------|
| 10 x 4  | 136156 | 837624F |
| 10 x 6  | 136157 | 837626F |
| 10 x 8  | 109368 | 837628F |
| 12 x 4  | 109369 | 837664F |
| 12 x 6  | 136158 | 837666F |
| 12 x 8  | 136159 | 837668F |
| 12 x 10 | 036208 | 837670F |
| 14 x 4  | 109373 | 837694F |
| 14 x 6  | 109374 | 837696F |
| 14 x 8  | 109375 | 837698F |
| 14 x 10 | 109376 | 837700F |
| 14 x 12 | 109377 | 837702F |
| 16 x 4  | 109378 | 837754F |
| 16 x 6  | 109379 | 837756F |
| 16 x 8  | 109380 | 837758F |
| 16 x 10 | 109381 | 837760F |
| 16 x 12 | 109382 | 837762F |
| 16 x 14 | 109383 | 837764F |
| 18 x 3  | 109384 | 837783F |
| 18 x 4  | 109385 | 837784F |
| 18 x 6  | 109386 | 837786F |
| 18 x 8  | 109387 | 837788F |
| 18 x 10 | 109388 | 837790F |
| 18 x 12 | 109389 | 837792F |
| 18 x 14 | 109390 | 837794F |
| 18 x 16 | 109391 | 837796F |
| 20 x 4  | 109392 | 837814F |
| 20 x 6  | 109393 | 837816F |
| 20 x 8  | 109394 | 837818F |
| 20 x 10 | 109395 | 837820F |
| 20 x 12 | 109396 | 837822F |
| 20 x 14 | 109397 | 837824F |
| 20 x 16 | 109398 | 837826F |
| 20 x 18 | 109399 | 837828F |
| 24 x 4  | 109400 | 837904F |
| 24 x 6  | 109401 | 837906F |
| 24 x 8  | 109402 | 837908F |
| 24 x 10 | 109403 | 837910F |
| 24 x 12 | 109404 | 837912F |
| 24 x 14 | 109405 | 837914F |
| 24 x 16 | 109406 | 837916F |
| 24 x 18 | 109407 | 837918F |
| 24 x 20 | 109408 | 837920F |

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

#### Reducer Bushing Sp x Fpt (flushstyle)

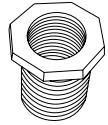


|               |        |        |
|---------------|--------|--------|
| 3/8 x 1/4     | 036679 | 838052 |
| 1/2 x 1/4     | 036681 | 838072 |
| 1/2 x 3/8     | 036682 | 838073 |
| 3/4 x 1/4     | 036683 | 838098 |
| 3/4 x 1/2     | 036684 | 838101 |
| 1 x 3/8       | 036685 | 838129 |
| 1 x 1/2       | 036686 | 838130 |
| 1 x 3/4       | 036687 | 838131 |
| 1 1/4 x 1/2   | 036688 | 838166 |
| 1 1/4 x 3/4   | 036689 | 838167 |
| 1 1/4 x 1     | 036690 | 838168 |
| 1 1/2 x 1/2   | 036691 | 838209 |
| 1 1/2 x 3/4   | 036692 | 838210 |
| 1 1/2 x 1     | 036693 | 838211 |
| 1 1/2 x 1 1/4 | 036694 | 838212 |
| 2 x 1/2       | 036695 | 838247 |
| 2 x 3/4       | 036696 | 838248 |
| 2 x 1         | 036697 | 838249 |
| 2 x 1 1/4     | 036698 | 838250 |
| 2 x 1 1/2     | 036699 | 838251 |
| 2 1/2 x 1/2   | 236002 | 838287 |
| 2 1/2 x 3/4   | 036700 | 838288 |
| 2 1/2 x 1     | 036701 | 838289 |
| 2 1/2 x 1 1/4 | 036702 | 838290 |
| 2 1/2 x 1 1/2 | 036703 | 838291 |
| 2 1/2 x 2     | 036704 | 838292 |
| 3 x 3/4       | 036705 | 838334 |
| 3 x 1         | 036706 | 838335 |
| 3 x 1 1/4     | 036707 | 838336 |
| 3 x 1 1/2     | 036708 | 838337 |
| 3 x 2         | 036709 | 838338 |
| 3 x 2 1/2     | 036710 | 838339 |
| 4 x 2         | 036711 | 838420 |
| 4 x 2 1/2     | 036712 | 838421 |
| 4 x 3         | 036713 | 838422 |
| 6 x 2         | 036714 | 838528 |
| 6 x 3         | 036715 | 838530 |
| 6 x 4         | 036716 | 838532 |

# XIRTEC PVC SCH. 80

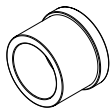
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Reducer Bushing Mpt x Fpt (flushstyle)



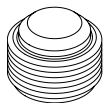
|               |        |        |
|---------------|--------|--------|
| 3/8 x 1/4     | 036647 | 839052 |
| 1/2 x 1/4     | 036648 | 839072 |
| 1/2 x 3/8     | 036649 | 839073 |
| 3/4 x 1/4     | 036651 | 839098 |
| 3/4 x 3/8     | 036652 | 839099 |
| 3/4 x 1/2     | 036653 | 839101 |
| 1 x 1/4       | 036654 | 839128 |
| 1 x 3/8       | 036655 | 839129 |
| 1 x 1/2       | 036656 | 839130 |
| 1 x 3/4       | 036657 | 839131 |
| 1-1/4 x 1/2   | 036658 | 839166 |
| 1-1/4 x 3/4   | 036659 | 839167 |
| 1-1/4 x 1     | 036660 | 839168 |
| 1-1/2 x 1/2   | 036661 | 839209 |
| 1-1/2 x 3/4   | 036662 | 839210 |
| 1-1/2 x 1     | 036663 | 839211 |
| 1-1/2 x 1-1/4 | 036664 | 839212 |
| 2 x 1/2       | 036665 | 839247 |
| 2 x 3/4       | 036666 | 839248 |
| 2 x 1         | 036667 | 839249 |
| 2 x 1-1/4     | 036668 | 839250 |
| 2 x 1-1/2     | 036669 | 839251 |
| 2-1/2 x 2     | 036672 | 839292 |
| 3 x 1-1/2     | 036673 | 839337 |
| 3 x 2         | 036674 | 839338 |
| 3 x 2-1/2     | 036675 | 839339 |
| 4 x 2         | 036676 | 839420 |
| 4 x 3         | 036677 | 839422 |

## Plug Spig



|   |        |        |
|---|--------|--------|
| 2 | 036585 | 849020 |
|---|--------|--------|

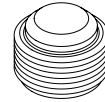
## Fabricated Plug Spig



|    |        |         |
|----|--------|---------|
| 6  | 109481 | 849060F |
| 8  | 109483 | 849080F |
| 10 | 109485 | 849100F |
| 12 | 109487 | 849120F |
| 14 | 109489 | 849140F |
| 16 | 109490 | 849160F |
| 18 | 109491 | 849180F |
| 20 | 109492 | 849200F |
| 24 | 109493 | 849240F |

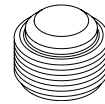
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Plug Mpt



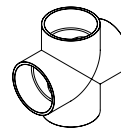
|       |        |        |
|-------|--------|--------|
| 1/4   | 036568 | 850002 |
| 3/8   | 036569 | 850003 |
| 1/2   | 036570 | 850005 |
| 3/4   | 036571 | 850007 |
| 1     | 036572 | 850010 |
| 1-1/4 | 036573 | 850012 |
| 1-1/2 | 036574 | 850015 |
| 2     | 036575 | 850020 |
| 2-1/2 | 036576 | 850025 |
| 3     | 036577 | 850030 |
| 4     | 036578 | 850040 |
| 6     | 036579 | 850060 |

## Fabricated Plug Mpt



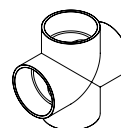
|    |        |         |
|----|--------|---------|
| 6  | 109482 | 850060F |
| 8  | 109484 | 850080F |
| 10 | 109486 | 850100F |
| 12 | 109488 | 850120F |

## Cross Soc x Soc x Soc x Soc



|       |        |        |
|-------|--------|--------|
| 1/2   | 036116 | 820005 |
| 3/4   | 036117 | 820007 |
| 1     | 036118 | 820010 |
| 1-1/4 | 036119 | 820012 |
| 1-1/2 | 036120 | 820015 |
| 2     | 036121 | 820020 |
| 2-1/2 | 036122 | 820025 |
| 3     | 036123 | 820030 |
| 4     | 036124 | 820040 |

## Fabricated Cross Soc x Soc x Soc x Soc



|    |        |         |
|----|--------|---------|
| 6  | 109079 | 820060F |
| 8  | 109080 | 820080F |
| 10 | 109081 | 820100F |
| 12 | 109082 | 820120F |
| 14 | 109083 | 820140F |
| 16 | 109084 | 820160F |
| 18 | 109085 | 820180F |
| 20 | 109086 | 820200F |
| 24 | 109087 | 820240F |

All Molded Flanges are rated at 150 psi at 73°F., non-shock. Standard 150 lb. bolting pattern.

CAUTION: When thermoplastic flanges are used with butterfly valves or other equipment, where a full face continuous support does not exist, a back-up ring or fiberglass reinforcement should be used to prevent cracking of the flange face.

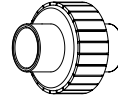
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

#### Fabricated Reducer Cross Soc x Soc x Soc x Soc

|         |        |         |
|---------|--------|---------|
| 6 x 4   | 109088 | 820532F |
| 8 x 4   | 109089 | 820582F |
| 8 x 6   | 109090 | 820585F |
| 10 x 4  | 109091 | 820624F |
| 10 x 6  | 109092 | 820626F |
| 10 x 8  | 109093 | 820628F |
| 12 x 4  | 109094 | 820664F |
| 12 x 6  | 109095 | 820666F |
| 12 x 8  | 109096 | 820668F |
| 12 x 10 | 109097 | 820670F |
| 14 x 4  | 109098 | 820694F |
| 14 x 6  | 109099 | 820696F |
| 14 x 8  | 109100 | 820698F |
| 14 x 10 | 109101 | 820700F |
| 14 x 12 | 109102 | 820702F |
| 16 x 4  | 109103 | 820754F |
| 16 x 6  | 109104 | 820756F |
| 16 x 8  | 109105 | 820758F |
| 16 x 10 | 109106 | 820760F |
| 16 x 12 | 109107 | 820762F |
| 16 x 14 | 109108 | 820764F |
| 18 x 4  | 109109 | 820784F |
| 18 x 6  | 109110 | 820786F |
| 18 x 8  | 109111 | 820788F |
| 18 x 10 | 109112 | 820790F |
| 18 x 12 | 109113 | 820792F |
| 18 x 14 | 109114 | 820794F |
| 18 x 16 | 109115 | 820796F |
| 20 x 4  | 109116 | 820814F |
| 20 x 6  | 109117 | 820816F |
| 20 x 8  | 109118 | 820818F |
| 20 x 10 | 109119 | 820820F |
| 20 x 12 | 109120 | 820822F |
| 20 x 14 | 109121 | 820824F |
| 20 x 16 | 109122 | 820826F |
| 20 x 18 | 109123 | 820828F |
| 24 x 4  | 109124 | 820904F |
| 24 x 6  | 109125 | 820906F |
| 24 x 8  | 109126 | 820908F |
| 24 x 10 | 109127 | 820910F |
| 24 x 12 | 109128 | 820912F |
| 24 x 14 | 109129 | 820914F |
| 24 x 16 | 109130 | 820916F |
| 24 x 18 | 109131 | 820918F |
| 24 x 20 | 109132 | 820920F |

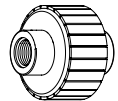
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

#### Union Soc x Soc (EPDM O-ring Seal)



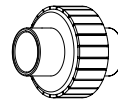
|       |        |        |
|-------|--------|--------|
| 1/4   | 236004 | 897002 |
| 3/8   | 236005 | 897003 |
| 1/2   | 036956 | 897005 |
| 3/4   | 036964 | 897007 |
| 1     | 036980 | 897010 |
| 1-1/4 | 036981 | 897012 |
| 1-1/2 | 036982 | 897015 |
| 2     | 036983 | 897020 |
| 3     | 036984 | 897030 |
| 4     | 236006 | 897040 |

#### Union Fpt x Fpt (EPDM O-ring Seal)



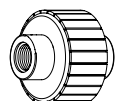
|       |        |        |
|-------|--------|--------|
| 1/4   | 236007 | 898002 |
| 3/8   | 236008 | 898003 |
| 1/2   | 036985 | 898005 |
| 3/4   | 036986 | 898007 |
| 1     | 036987 | 898010 |
| 1-1/4 | 036988 | 898012 |
| 1-1/2 | 036989 | 898015 |
| 2     | 036990 | 898020 |
| 3     | 036993 | 898030 |
| 4     | 236009 | 898040 |

#### Union Soc x Soc (Viton® O-ring Seal)



|       |        |        |
|-------|--------|--------|
| 1/4   | 036833 | 857002 |
| 3/8   | 036834 | 857003 |
| 1/2   | 036835 | 857005 |
| 3/4   | 036836 | 857007 |
| 1     | 036837 | 857010 |
| 1-1/4 | 036838 | 857012 |
| 1-1/2 | 036839 | 857015 |
| 2     | 036840 | 857020 |
| 3     | 036842 | 857030 |
| 4     | 036843 | 857040 |

#### Union Fpt x Fpt (Viton® O-ring Seal)



|       |        |        |
|-------|--------|--------|
| 1/4   | 036844 | 858002 |
| 3/8   | 036845 | 858003 |
| 1/2   | 036846 | 858005 |
| 3/4   | 036847 | 858007 |
| 1     | 036848 | 858010 |
| 1-1/4 | 036849 | 858012 |
| 1-1/2 | 036850 | 858015 |
| 2     | 036851 | 858020 |
| 3     | 036852 | 858030 |
| 4     | 036853 | 858040 |

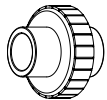
All Molded Flanges are rated at 150 psi at 73°F., non-shock. Standard 150 lb. bolting pattern.

CAUTION: When thermoplastic flanges are used with butterfly valves or other equipment, where a full face continuous support does not exist, a back-up ring or fiberglass reinforcement should be used to prevent cracking of the flange face.

# XIRTEC PVC SCH. 80

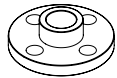
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Union Soc x Fpt (Viton® O-ring Seal)



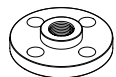
|       |        |        |
|-------|--------|--------|
| 1/2   | 036410 | 859005 |
| 3/4   | 036411 | 859007 |
| 1     | 036412 | 859010 |
| 1-1/4 | 036413 | 859012 |
| 1-1/2 | 036414 | 859015 |
| 2     | 036415 | 859020 |
| 3     | 236010 | 859030 |
| 4     | 236011 | 859040 |

## One Piece Flange Soc



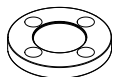
|       |        |        |
|-------|--------|--------|
| 1/2   | 036223 | 851005 |
| 3/4   | 036224 | 851007 |
| 1     | 036225 | 851010 |
| 1-1/4 | 036226 | 851012 |
| 1-1/2 | 036227 | 851015 |
| 2     | 036228 | 851020 |
| 2-1/2 | 036229 | 851025 |
| 3     | 036230 | 851030 |
| 4     | 036231 | 851040 |
| 5     | 036232 | 851050 |
| 6     | 036233 | 851060 |
| 8     | 036234 | 851080 |

## One Piece Flange Fpt



|       |        |        |
|-------|--------|--------|
| 1/2   | 036240 | 852005 |
| 3/4   | 036241 | 852007 |
| 1     | 036242 | 852010 |
| 1-1/4 | 036243 | 852012 |
| 1-1/2 | 036244 | 852015 |
| 2     | 036245 | 852020 |
| 2-1/2 | 036246 | 852025 |
| 3     | 036247 | 852030 |
| 4     | 036248 | 852040 |
| 6     | 036249 | 852060 |

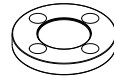
## Blind Flange



|       |        |        |
|-------|--------|--------|
| 1/2   | 036250 | 853005 |
| 3/4   | 036251 | 853007 |
| 1     | 036252 | 853010 |
| 1-1/4 | 036253 | 853012 |
| 1-1/2 | 036254 | 853015 |
| 2     | 036255 | 853020 |
| 2-1/2 | 036256 | 853025 |
| 3     | 036257 | 853030 |
| 4     | 036258 | 853040 |
| 6     | 036259 | 853060 |
| 8     | 036260 | 853080 |

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

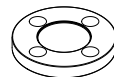
## Fabricated Blind Flange – 50 psi



|    |        |         |
|----|--------|---------|
| 10 | 109515 | 853100F |
| 12 | 109516 | 853120F |
| 14 | 109517 | 853140F |
| 16 | 109518 | 853160F |
| 18 | 109519 | 853180F |
| 20 | 109520 | 853200F |
| 24 | 109521 | 853240F |

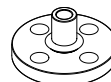
Note: Higher pressure rated large diameter fabricated blind flanges are available. Please consult with the factory for special prices.

## Heavy Duty Vanstone Flange Spig w Fibre-Loc Ring



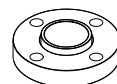
|   |        |          |
|---|--------|----------|
| 3 | 036381 | 856030HD |
| 4 | 036382 | 856040HD |
| 6 | 036383 | 856060HD |
| 8 | 036384 | 856080HD |

## Vanstone Flange Spig w PVC Ring



|       |        |        |
|-------|--------|--------|
| 1/2   | 036374 | 856005 |
| 3/4   | 036375 | 856007 |
| 1     | 036376 | 856010 |
| 1-1/4 | 036377 | 856012 |
| 1-1/2 | 036378 | 856015 |
| 2     | 036379 | 856020 |
| 2-1/2 | 036380 | 856025 |
| 3     | 036902 | 856030 |
| 4     | 036905 | 856040 |
| 6     | 036906 | 856060 |
| 8     | 036907 | 856080 |
| 10    | 036995 | 856110 |
| 12    | 036996 | 856120 |

## Fabricated Vanstone Flange Sp w Steel Ring – 100 psi



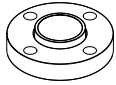
|    |        |          |
|----|--------|----------|
| 14 | 109549 | 856140FS |
| 16 | 109553 | 856160FS |
| 18 | 109556 | 856180FS |
| 20 | 109560 | 856200FS |
| 24 | 109565 | 856240FS |

All Molded Flanges are rated at 150 psi at 73°F., non-shock. Standard 150 lb. bolting pattern.

CAUTION: When thermoplastic flanges are used with butterfly valves or other equipment, where a full face continuous support does not exist, a back-up ring or fiberglass reinforcement should be used to prevent cracking of the flange face.

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

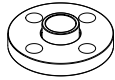
#### Heavy Duty Vanstone Flange Soc w Fibre-Loc Ring



|       |        |          |
|-------|--------|----------|
| 1-1/2 | 036323 | 854015HD |
| 2     | 036324 | 854020HD |
| 3     | 036326 | 854030HD |
| 4     | 036416 | 854040HD |
| 6     | 036417 | 854060HD |
| 8     | 036418 | 854080HD |
| 10    | 036419 | 854100HD |
| 12    | 036429 | 854120HD |
| * 14  | 036358 | 854140HD |
| * 16  | 036359 | 854160HD |

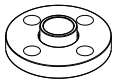
\* 14" & 16" complete with coated metal rings.

#### Vanstone Flange Soc w PVC Ring



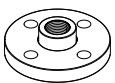
|       |        |        |
|-------|--------|--------|
| 1/2   | 136031 | 854005 |
| 3/4   | 136032 | 854007 |
| 1     | 136033 | 854010 |
| 1-1/4 | 136034 | 854012 |
| 1-1/2 | 036348 | 854015 |
| 2     | 036349 | 854020 |
| 2-1/2 | 136035 | 854025 |
| 3     | 036351 | 854030 |
| 4     | 036352 | 854040 |
| 5     | 036353 | 854050 |
| 6     | 036354 | 854060 |
| 8     | 036355 | 854080 |
| 10    | 036356 | 854100 |
| 12    | 036357 | 854120 |

#### Fabricated Vanstone Flange Soc w Steel Ring - 100 psi



|    |        |          |
|----|--------|----------|
| 14 | 109547 | 854140FS |
| 16 | 109551 | 854160FS |
| 18 | 109554 | 854180FS |
| 20 | 109558 | 854200FS |
| 24 | 109562 | 854240FS |

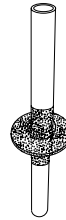
#### Vanstone Flange Fpt



|       |        |        |
|-------|--------|--------|
| 1/2   | 036385 | 855005 |
| 3/4   | 036386 | 855007 |
| 1     | 036387 | 855010 |
| 1-1/4 | 036388 | 855012 |
| 1-1/2 | 036389 | 855015 |
| 2     | 036390 | 855020 |
| 2-1/2 | 036391 | 855025 |
| 3     | 036392 | 855030 |
| 4     | 036393 | 855040 |

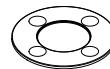
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

#### Fabricated No-Leak/Waterstop Flange Spig x Spig



|       |        |           |
|-------|--------|-----------|
| 1/2   | 036331 | 851005WSF |
| 3/4   | 036332 | 851007WSF |
| 1     | 036923 | 851010WSF |
| 1-1/4 | 036333 | 851012WSF |
| 1-1/2 | 036334 | 851015WSF |
| 2     | 036335 | 851020WSF |
| 2-1/2 | 036336 | 851025WSF |
| 3     | 036337 | 851030WSF |
| 4     | 036338 | 851040WSF |
| 6     | 036339 | 851060WSF |
| 8     | 036340 | 851080WSF |
| 10    | 036341 | 851100WSF |
| 12    | 036342 | 851120WSF |
| 14    | 036915 | 851140WSF |
| 16    | 036343 | 851160WSF |
| 18    | 036871 | 851180WSF |

#### 1/8" Flange Gasket Neoprene



|       |        |           |
|-------|--------|-----------|
| 1/2   | 036296 | NEOGSK005 |
| 3/4   | 036297 | NEOGSK007 |
| 1     | 036298 | NEOGSK010 |
| 1-1/4 | 036299 | NEOGSK012 |
| 1-1/2 | 036300 | NEOGSK015 |
| 2     | 036301 | NEOGSK020 |
| 2-1/2 | 036302 | NEOGSK025 |
| 3     | 036303 | NEOGSK030 |
| 4     | 036304 | NEOGSK040 |
| 5     | 036305 | NEOGSK050 |
| 6     | 036306 | NEOGSK060 |
| 8     | 036307 | NEOGSK080 |
| 10    | 036308 | NEOGSK100 |
| 12    | 036309 | NEOGSK120 |
| 14    | 036310 | NEOGSK140 |
| 16    | 036311 | NEOGSK160 |
| 18    | 036312 | NEOGSK180 |
| 20    | 036313 | NEOGSK200 |
| 24    | 036314 | NEOGSK240 |

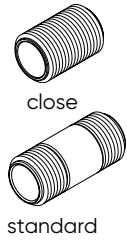
All Molded Flanges are rated at 150 psi at 73°F., non-shock. Standard 150 lb. bolting pattern.

CAUTION: When thermoplastic flanges are used with butterfly valves or other equipment, where a full face continuous support does not exist, a back-up ring or fiberglass reinforcement should be used to prevent cracking of the flange face.

# XIRTEC PVC SCH. 80

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Nipples



### 1/4" diameter

|           |        |        |
|-----------|--------|--------|
| 7/8 close | 036434 | 880005 |
| 1-1/2     | 036445 | 880015 |
| 2         | 036456 | 880020 |
| 2-1/2     | 036457 | 880025 |
| 3         | 036458 | 880030 |
| 3 1/2     | 036459 | 880035 |
| 4         | 036460 | 880040 |
| 4-1/2     | 036461 | 880045 |
| 5         | 036462 | 880050 |
| 6         | 036463 | 880060 |
| 8         | 036464 | 880080 |
| 10        | 236012 | 880100 |
| 12        | 236013 | 880120 |

### 3/8" diameter

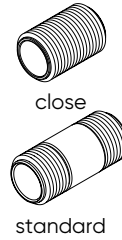
|         |        |        |
|---------|--------|--------|
| 1 close | 036435 | 881005 |
| 1-1/2   | 036446 | 881015 |
| 2       | 036466 | 881020 |
| 2-1/2   | 036467 | 881025 |
| 3       | 036468 | 881030 |
| 3-1/2   | 036469 | 881035 |
| 4       | 036470 | 881040 |
| 4-1/2   | 036471 | 881045 |
| 5       | 036472 | 881050 |
| 6       | 036473 | 881060 |
| 8       | 036474 | 881080 |

### 1/2" diameter

|             |        |        |
|-------------|--------|--------|
| 1-1/8 close | 036436 | 882005 |
| 1-1/2       | 036447 | 882015 |
| 2           | 036475 | 882020 |
| 2-1/2       | 036476 | 882025 |
| 3           | 036477 | 882030 |
| 3-1/2       | 036478 | 882035 |
| 4           | 036479 | 882040 |
| 4-1/2       | 036480 | 882045 |
| 5           | 036481 | 882050 |
| 5-1/2       | 036482 | 882055 |
| 6           | 036483 | 882060 |
| 8           | 036484 | 882080 |
| 10          | 036485 | 882100 |
| 12          | 036486 | 882120 |

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Nipples



### 3/4" diameter

|             |        |        |
|-------------|--------|--------|
| 1-3/8 close | 036437 | 883005 |
| 1-1/2       | 036448 | 883015 |
| 2           | 036490 | 883020 |
| 2-1/2       | 036491 | 883025 |
| 3           | 036492 | 883030 |
| 3-1/2       | 036493 | 883035 |
| 4           | 036494 | 883040 |
| 4-1/2       | 036495 | 883045 |
| 5           | 036496 | 883050 |
| 5-1/2       | 036497 | 883055 |
| 6           | 036498 | 883060 |
| 8           | 036500 | 883080 |
| 10          | 036501 | 883100 |
| 12          | 036502 | 883120 |

### 1" diameter

|             |        |        |
|-------------|--------|--------|
| 1-1/2 close | 036438 | 884005 |
| 2           | 036449 | 884020 |
| 2-1/2       | 036504 | 884025 |
| 3           | 036505 | 884030 |
| 3-1/2       | 036506 | 884035 |
| 4           | 036507 | 884040 |
| 4-1/2       | 036508 | 884045 |
| 5           | 036509 | 884050 |
| 5-1/2       | 036510 | 884055 |
| 6           | 036511 | 884060 |
| 8           | 036512 | 884080 |
| 10          | 036514 | 884100 |
| 12          | 036515 | 884120 |

### 1-1/4" diameter

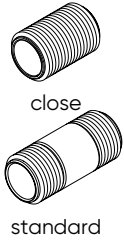
|             |        |        |
|-------------|--------|--------|
| 1-5/8 close | 036439 | 885005 |
| 2           | 036450 | 885020 |
| 2-1/2       | 036516 | 885025 |
| 3           | 036517 | 885030 |
| 3-1/2       | 036518 | 885035 |
| 4           | 036519 | 885040 |
| 4-1/2       | 036520 | 885045 |
| 5           | 036521 | 885050 |
| 6           | 036522 | 885060 |
| 8           | 036523 | 885080 |
| 10          | 036524 | 885100 |
| 12          | 036525 | 885120 |

All Molded Flanges are rated at 150 psi at 73°F., non-shock. Standard 150 lb. bolting pattern.

CAUTION: When thermoplastic flanges are used with butterfly valves or other equipment, where a full face continuous support does not exist, a back-up ring or fiberglass reinforcement should be used to prevent cracking of the flange face.

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Nipples



### 1-1/2" diameter

|             |        |        |
|-------------|--------|--------|
| 1-3/4 close | 036440 | 886015 |
| 2           | 036451 | 886020 |
| 2-1/2       | 036526 | 886025 |
| 3           | 036527 | 886030 |
| 3-1/2       | 036528 | 886035 |
| 4           | 036529 | 886040 |
| 4-1/2       | 036530 | 886045 |
| 5           | 036531 | 886050 |
| 5-1/2       | 036532 | 886055 |
| 6           | 036533 | 886060 |
| 8           | 036534 | 886080 |
| 10          | 036535 | 886100 |
| 12          | 036536 | 886120 |

### 2" diameter

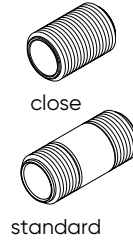
|         |        |        |
|---------|--------|--------|
| 2 close | 036441 | 887005 |
| 2-1/2   | 036452 | 887025 |
| 3       | 036539 | 887030 |
| 3-1/2   | 036540 | 887035 |
| 4       | 036541 | 887040 |
| 4-1/2   | 036542 | 887045 |
| 5       | 036543 | 887050 |
| 5-1/2   | 036544 | 887055 |
| 6       | 036545 | 887060 |
| 8       | 036546 | 887080 |
| 10      | 036547 | 887100 |
| 12      | 036548 | 887120 |

### 2-1/2" diameter

|             |        |        |
|-------------|--------|--------|
| 2-1/2 close | 036442 | 888005 |
| 3           | 036549 | 888030 |
| 4           | 036550 | 888040 |
| 5           | 036272 | 888050 |
| 6           | 036551 | 888060 |
| 8           | 036552 | 888080 |
| 10          | 036276 | 888100 |
| 12          | 036553 | 888120 |

| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Nipples



### 3" diameter

|             |        |        |
|-------------|--------|--------|
| 2-5/8 close | 036443 | 889005 |
| 3           | 036554 | 889030 |
| 4           | 036555 | 889040 |
| 5           | 036556 | 889050 |
| 6           | 036557 | 889060 |
| 8           | 036558 | 889080 |
| 10          | 036559 | 889100 |
| 12          | 036560 | 889120 |

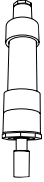
### 4" diameter

|             |        |        |
|-------------|--------|--------|
| 2-7/8 close | 036444 | 890005 |
| 4           | 036562 | 890040 |
| 5           | 036563 | 890050 |
| 6           | 036564 | 890060 |
| 8           | 036565 | 890080 |
| 10          | 036566 | 890100 |
| 12          | 036567 | 890120 |

# XIRTEC PVC SCH. 80

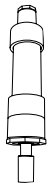
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Expansion Joint 6" Travel EPDM



|       |        |           |
|-------|--------|-----------|
| 1/2   | 136115 | 826005X6E |
| 3/4   | 136117 | 826007X6E |
| 1     | 136119 | 826010X6E |
| 1-1/2 | 136121 | 826015X6E |
| 2     | 136123 | 826020X6E |
| 3     | 136125 | 826030X6E |
| 4     | 136127 | 826040X6E |

## Expansion Joint 6" Travel FPM



|       |        |          |
|-------|--------|----------|
| 1/2   | 136101 | 826005X6 |
| 3/4   | 136103 | 826007X6 |
| 1     | 136105 | 826010X6 |
| 1-1/2 | 136107 | 826015X6 |
| 2     | 136109 | 826020X6 |
| 3     | 136111 | 826030X6 |
| 4     | 136113 | 826040X6 |

## Expansion Joint 12" Travel EPDM



|       |        |            |
|-------|--------|------------|
| 1/2   | 136116 | 826005X12E |
| 3/4   | 136118 | 826007X12E |
| 1     | 136120 | 826010X12E |
| 1-1/2 | 136122 | 826015X12E |
| 2     | 136124 | 826020X12E |
| 3     | 136126 | 826030X12E |
| 4     | 136128 | 826040X12E |

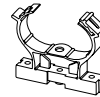
## Expansion Joint 12" Travel FPM



|       |        |           |
|-------|--------|-----------|
| 1/2   | 136102 | 826005X12 |
| 3/4   | 136104 | 826009X12 |
| 1     | 136106 | 826010X12 |
| 1-1/2 | 136108 | 826015X12 |
| 2     | 136110 | 826020X12 |
| 3     | 136112 | 826030X12 |
| 4     | 136114 | 826040X12 |

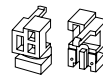
| Dimension<br>inches | PVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|----------------------------|---------------------|
|---------------------|----------------------------|---------------------|

## Pipe Clamps



|       |        |       |
|-------|--------|-------|
| 1/2   | 035180 | CCS10 |
| 3/4   | 035181 | CCS15 |
| 1     | 035182 | CCS20 |
| 1-1/4 | 035183 | CCS25 |
| 1-1/2 | 035184 | CCS30 |
| 2     | 035185 | CCS35 |

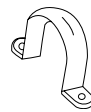
## PVC Strut Base



|   |        |       |
|---|--------|-------|
| - | 035186 | PPC25 |
|---|--------|-------|

Note: Strut Bases are sold individually, two Strut Bases are required to create one Strut Base Unit.  
Example: If you require 10 complete Strut Base Units you must order 20 strut bases.

## Pipe Straps 2 holes



|       |        |      |
|-------|--------|------|
| 1/2   | 036000 | PS05 |
| 3/4   | 036001 | PS07 |
| 1     | 036002 | PS10 |
| 1-1/4 | 036003 | PS12 |
| 1-1/2 | 036004 | PS15 |
| 2     | 036005 | PS20 |
| 2-1/2 | 236262 | PS25 |
| 3     | 236263 | PS30 |
| 4     | 236264 | PS40 |

## Pipe Straps PVC Coated Steel 2 holes



|       |        |       |
|-------|--------|-------|
| 2-1/2 | 036006 | PSC25 |
| 3     | 036007 | PSC30 |
| 3-1/2 | 036008 | PSC35 |
| 4     | 036009 | PSC40 |
| 5     | 036010 | PSC50 |
| 6     | 036011 | PSC60 |

# Complete Thermoplastic **Pipe, Valves and Fittings** Solutions

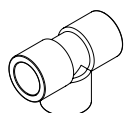
- Process Piping Systems
- Thermoplastic Valves
- Custom Guard Double Containment Systems
- Compressed Air Systems



# XIRTEC CPVC SCH. 80

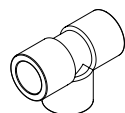
| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

## Tee Soc x Soc x Soc



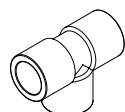
|       |        |         |
|-------|--------|---------|
| 1/4   | 059479 | 9801002 |
| 3/8   | 059480 | 9801003 |
| 1/2   | 059481 | 9801005 |
| 3/4   | 059482 | 9801007 |
| 1     | 059483 | 9801010 |
| 1-1/4 | 059484 | 9801012 |
| 1-1/2 | 059485 | 9801015 |
| 2     | 059486 | 9801020 |
| 2-1/2 | 059487 | 9801025 |
| 3     | 059488 | 9801030 |
| 4     | 059489 | 9801040 |
| 6     | 059490 | 9801060 |
| 8     | 059491 | 9801080 |
| 10    | 059062 | 9801100 |
| 12    | 059084 | 9801120 |

## Fabricated Tee Soc x Soc x Soc



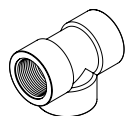
|    |        |          |
|----|--------|----------|
| 14 | 108891 | 9801140F |
| 16 | 108892 | 9801160F |
| 18 | 108000 | 9801180F |
| 20 | 108001 | 9801200F |
| 24 | 108002 | 9801240F |

## Tee Soc x Soc x Fpt



|     |        |         |
|-----|--------|---------|
| 1/2 | 059942 | 9802005 |
| 3/4 | 059943 | 9802007 |
| 1   | 059518 | 9802010 |
| 2   | 059089 | 9802020 |

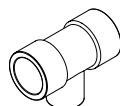
## Tee Fpt x Fpt x Fpt



|       |        |         |
|-------|--------|---------|
| 1/4   | 059507 | 9805002 |
| 3/8   | 059508 | 9805003 |
| 1/2   | 059509 | 9805005 |
| 3/4   | 059510 | 9805007 |
| 1     | 059511 | 9805010 |
| 1-1/4 | 059512 | 9805012 |
| 1-1/2 | 059513 | 9805015 |
| 2     | 059514 | 9805020 |
| 2-1/2 | 059515 | 9805025 |
| 3     | 059516 | 9805030 |
| 4     | 059517 | 9805040 |

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

## Reducing Tee Soc x Soc x Soc

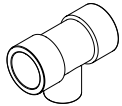


|                       |        |          |
|-----------------------|--------|----------|
| 3/4 x 3/4 x 1/2       | 059492 | 9801101  |
| 1 x 1 x 1/2           | 059493 | 9801130  |
| 1 x 1 x 3/4           | 059494 | 9801131  |
| 1-1/4 x 1 x 1         | 059601 | 9801158  |
| 1-1/4 x 1             | 059602 | 9801168  |
| 1-1/4 x 1 x 1-1/4     | 059495 | 9801159  |
| 1-1/2 x 1-1/4 x 1     | 059603 | 9801202  |
| 1-1/2 x 1-1/2 x 3/4   | 059717 | 9801210  |
| 1-1/2 x 1-1/2 x 1     | 059497 | 9801211  |
| 2 x 2 x 1/2           | 059751 | 9801247  |
| 2 x 2 x 3/4           | 059719 | 9801248  |
| 2 x 2 x 1             | 059500 | 9801249  |
| 2 x 2 x 1-1/2         | 059501 | 9801251  |
| 2-1/2 x 1             | 059752 | 9801289  |
| 2-1/2 x 1-1/4         | 059753 | 9801290  |
| 2-1/2 x 2-1/2 x 1-1/2 | 059722 | 9801291  |
| 2-1/2 x 2             | 059723 | 9801292  |
| 3 x 3 x 2             | 059502 | 9801338  |
| 3 x 2-1/2             | 059724 | 9801339  |
| 4 x 4 x 2             | 059504 | 9801420  |
| 4 x 4 x 3             | 059505 | 9801422  |
| 6 x 6 x 3             | 059609 | 9801530  |
| 6 x 6 x 4             | 059506 | 9801532  |
| 8 x 8 x 6             | 059567 | 9801585  |
| * 10 x 4              | 059594 | 9801624  |
| * 10 x 6              | 059610 | 9801626F |
| * 10 x 8              | 059595 | 9801628F |
| * 12 x 4              | 059596 | 9801664F |
| * 12 x 6              | 059597 | 9801666F |
| * 12 x 8              | 059611 | 9801668F |
| * 12 x 10             | 059598 | 9801670F |

\* Bushed

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

### Fabricated Reducing Tee Soc x Soc x Soc



|         |        |          |
|---------|--------|----------|
| 10 x 2  | 108893 | 9801621F |
| 10 x 3  | 108894 | 9801623F |
| 10 x 4  | 108895 | 9801624F |
| 10 x 6  | 108896 | 9801626F |
| 10 x 8  | 108897 | 9801628F |
| 12 x 2  | 108898 | 9801661F |
| 12 x 3  | 108899 | 9801663F |
| 12 x 4  | 108900 | 9801664F |
| 12 x 6  | 108901 | 9801666F |
| 12 x 8  | 108902 | 9801668F |
| 12 x 10 | 108194 | 9801670F |
| 14 x 2  | 108903 | 9801691F |
| 14 x 3  | 108003 | 9801693F |
| 14 x 4  | 108004 | 9801694F |
| 14 x 6  | 108904 | 9801696F |
| 14 x 8  | 108905 | 9801698F |
| 14 x 10 | 108906 | 9801700F |
| 14 x 12 | 108005 | 9801702F |
| 16 x 2  | 108907 | 9801751F |
| 16 x 3  | 108006 | 9801753F |
| 16 x 4  | 108908 | 9801754F |
| 16 x 6  | 108007 | 9801756F |
| 16 x 8  | 108909 | 9801758F |
| 16 x 10 | 108910 | 9801760F |
| 16 x 12 | 108911 | 9801762F |
| 16 x 14 | 108008 | 9801764F |
| 18 x 4  | 108009 | 9801784F |
| 18 x 6  | 108010 | 9801786F |
| 18 x 8  | 108011 | 9801788F |
| 18 x 10 | 108012 | 9801790F |
| 18 x 12 | 108013 | 9801792F |
| 18 x 14 | 108014 | 9801794F |
| 18 x 16 | 108015 | 9801796F |
| 20 x 4  | 108016 | 9801814F |
| 20 x 6  | 108017 | 9801816F |
| 20 x 8  | 108018 | 9801818F |
| 20 x 10 | 108019 | 9801820F |
| 20 x 12 | 108912 | 9801822F |
| 20 x 14 | 108020 | 9801824F |
| 20 x 16 | 108021 | 9801826F |
| 20 x 18 | 108022 | 9801828F |
| 24 x 4  | 108023 | 9801904F |
| 24 x 6  | 108024 | 9801906F |
| 24 x 8  | 108025 | 9801908F |
| 24 x 10 | 108026 | 9801910F |
| 24 x 12 | 108027 | 9801912F |
| 24 x 14 | 108028 | 9801914F |
| 24 x 16 | 108029 | 9801916F |
| 24 x 18 | 108030 | 9801918F |
| 24 x 20 | 108031 | 9801920F |

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

### 90° Elbow Soc x Soc



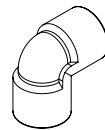
|       |        |         |
|-------|--------|---------|
| 1/4   | 059192 | 9806002 |
| 3/8   | 059193 | 9806003 |
| 1/2   | 059194 | 9806005 |
| 3/4   | 059195 | 9806007 |
| 1     | 059196 | 9806010 |
| 1-1/4 | 059197 | 9806012 |
| 1-1/2 | 059198 | 9806015 |
| 2     | 059199 | 9806020 |
| 2-1/2 | 059200 | 9806025 |
| 3     | 059201 | 9806030 |
| 4     | 059202 | 9806040 |
| 6     | 059203 | 9806060 |
| 8     | 059204 | 9806080 |
| 10    | 059085 | 9806100 |
| 12    | 059086 | 9806120 |

### Fabricated 90° Elbow Soc x Soc



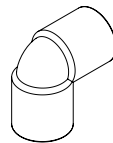
|    |        |          |
|----|--------|----------|
| 10 | 108922 | 9806100F |
| 12 | 108923 | 9806120F |
| 14 | 108924 | 9806140F |
| 16 | 108925 | 9806160F |
| 18 | 108032 | 9806180F |
| 20 | 108926 | 9806200F |
| 24 | 108033 | 9806240F |

### 90° Elbow Fpt x Fpt



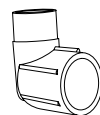
|       |        |         |
|-------|--------|---------|
| 1/4   | 059206 | 9808002 |
| 3/8   | 059207 | 9808003 |
| 1/2   | 059208 | 9808005 |
| 3/4   | 059209 | 9808007 |
| 1     | 059210 | 9808010 |
| 1-1/4 | 059211 | 9808012 |
| 1-1/2 | 059212 | 9808015 |
| 2     | 059213 | 9808020 |
| 2-1/2 | 059214 | 9808025 |
| 3     | 059215 | 9808030 |
| 4     | 059216 | 9808040 |

### 90° Elbow Soc x Fpt



|       |        |         |
|-------|--------|---------|
| 1/4   | 059612 | 9807002 |
| 1/2   | 059187 | 9807005 |
| 3/4   | 059941 | 9807007 |
| 1     | 059188 | 9807010 |
| 1-1/4 | 059189 | 9807012 |
| 1-1/2 | 059190 | 9807015 |
| 2     | 059191 | 9807020 |

### 90° Street Elbow Soc x Spig

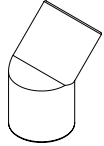


|     |        |         |
|-----|--------|---------|
| 1/2 | 059743 | 9809005 |
| 3/4 | 059744 | 9809007 |
| 1   | 059745 | 9809010 |

# XIRTEC CPVC SCH. 80

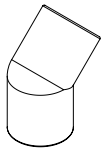
| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

## 45° Elbow Soc x Soc



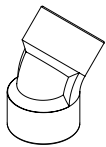
|       |        |         |
|-------|--------|---------|
| 1/4   | 059162 | 9817002 |
| 3/8   | 059163 | 9817003 |
| 1/2   | 059164 | 9817005 |
| 3/4   | 059165 | 9817007 |
| 1     | 059166 | 9817010 |
| 1-1/4 | 059167 | 9817012 |
| 1-1/2 | 059168 | 9817015 |
| 2     | 059169 | 9817020 |
| 2-1/2 | 059170 | 9817025 |
| 3     | 059171 | 9817030 |
| 4     | 059172 | 9817040 |
| 6     | 059173 | 9817060 |
| 8     | 059174 | 9817080 |
| 10    | 059087 | 9817100 |
| 12    | 059088 | 9817120 |

## Fabricated 45° Elbow Soc x Soc



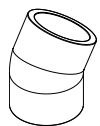
|    |          |        |
|----|----------|--------|
| 10 | 9817100F | 108916 |
| 12 | 9817120F | 108917 |
| 14 | 9817140F | 108918 |
| 16 | 9817160F | 108919 |
| 18 | 9817180F | 108034 |
| 20 | 9817200F | 108920 |
| 24 | 9817240F | 108921 |

## 45° Elbow Fpt x Fpt



|       |        |         |
|-------|--------|---------|
| 1/4   | 059176 | 9819002 |
| 3/8   | 059177 | 9819003 |
| 1/2   | 059178 | 9819005 |
| 3/4   | 059179 | 9819007 |
| 1     | 059180 | 9819010 |
| 1-1/4 | 059181 | 9819012 |
| 1-1/2 | 059182 | 9819015 |
| 2     | 059183 | 9819020 |
| 2-1/2 | 059184 | 9819025 |
| 4     | 059186 | 9819040 |

## 30° Elbow Soc x Soc



|   |        |         |
|---|--------|---------|
| 6 | 059022 | 9815060 |
|---|--------|---------|

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

## 22-1/2° Elbow Soc x Soc



|   |        |         |
|---|--------|---------|
| 2 | 059614 | 9816020 |
| 3 | 059615 | 9816030 |
| 4 | 059616 | 9816040 |

## Fabricated 22-1/2° Elbow Soc x Soc



|    |        |          |
|----|--------|----------|
| 6  | 108035 | 9816060F |
| 8  | 108036 | 9816080F |
| 10 | 108913 | 9816100F |
| 12 | 108037 | 9816120F |
| 14 | 108914 | 9816140F |
| 16 | 108038 | 9816160F |
| 18 | 108039 | 9816180F |
| 20 | 108040 | 9816200F |
| 24 | 108041 | 9816240F |

## 11-1/4° Elbow Soc x Soc



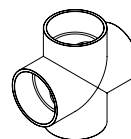
|   |        |         |
|---|--------|---------|
| 2 | 059617 | 9811020 |
| 3 | 059618 | 9811030 |
| 4 | 059619 | 9811040 |

## Fabricated 11-1/4° Elbow Soc x Soc



|    |        |          |
|----|--------|----------|
| 6  | 108042 | 9811060F |
| 8  | 108043 | 9811080F |
| 10 | 108044 | 9811100F |
| 12 | 108045 | 9811120F |
| 14 | 108046 | 9811140F |
| 16 | 108047 | 9811160F |
| 18 | 108048 | 9811180F |
| 20 | 108049 | 9811200F |
| 24 | 108050 | 9811240F |

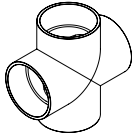
## Cross Soc x Soc x Soc x Soc



|       |        |         |
|-------|--------|---------|
| 1/4   | 059620 | 9820002 |
| 3/4   | 059155 | 9820007 |
| 1     | 059156 | 9820010 |
| 1-1/4 | 059157 | 9820012 |
| 1-1/2 | 059158 | 9820015 |
| 2     | 059159 | 9820020 |
| 2-1/2 | 059018 | 9820025 |
| 3     | 059160 | 9820030 |
| 4     | 059161 | 9820040 |

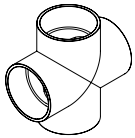
| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

#### Fabricated Cross Soc x Soc x Soc x Soc



|    |        |          |
|----|--------|----------|
| 6  | 108051 | 9820060F |
| 8  | 108052 | 9820080F |
| 10 | 108053 | 9820100F |
| 12 | 108054 | 9820120F |
| 14 | 108055 | 9820140F |
| 16 | 108056 | 9820160F |
| 18 | 108057 | 9820180F |

#### Fabricated Reducer Cross Soc x Soc



|         |        |          |
|---------|--------|----------|
| 6 x 4   | 108058 | 9820532F |
| 8 x 4   | 108059 | 9820582F |
| 8 x 6   | 108060 | 9820585F |
| 10 x 4  | 108061 | 9820624F |
| 10 x 6  | 108064 | 9820626F |
| 10 x 8  | 108062 | 9820628F |
| 12 x 4  | 108063 | 9820664F |
| 12 x 6  | 108065 | 9820666F |
| 12 x 8  | 108066 | 9820668F |
| 12 x 10 | 108067 | 9820670F |
| 14 x 4  | 108068 | 9820694F |
| 14 x 6  | 108069 | 9820696F |
| 14 x 8  | 108070 | 9820698F |
| 14 x 10 | 108071 | 9820700F |
| 14 x 12 | 108072 | 9820702F |
| 16 x 4  | 108073 | 9820754F |
| 16 x 6  | 108074 | 9820756F |
| 16 x 8  | 108075 | 9820758F |
| 16 x 10 | 108076 | 9820760F |
| 16 x 12 | 108077 | 9820762F |
| 16 x 14 | 108078 | 9820764F |
| 18 x 4  | 108079 | 9820784F |
| 18 x 6  | 108080 | 9820786F |
| 18 x 8  | 108081 | 9820788F |
| 18 x 10 | 108082 | 9820790F |
| 18 x 12 | 108083 | 9820792F |
| 18 x 14 | 108084 | 9820794F |
| 18 x 16 | 108085 | 9820796F |

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

#### Coupling Soc x Soc



|       |        |         |
|-------|--------|---------|
| 1/4   | 059130 | 9829002 |
| 3/8   | 059131 | 9829003 |
| 1/2   | 059132 | 9829005 |
| 3/4   | 059133 | 9829007 |
| 1     | 059134 | 9829010 |
| 1-1/4 | 059135 | 9829012 |
| 1-1/2 | 059136 | 9829015 |
| 2     | 059137 | 9829020 |
| 2-1/2 | 059138 | 9829025 |
| 3     | 059139 | 9829030 |
| 4     | 059140 | 9829040 |
| 6     | 059141 | 9829060 |
| 8     | 059142 | 9829080 |

#### Fabricated Coupling Soc x Soc



|    |        |          |
|----|--------|----------|
| 10 | 059033 | 9829100F |
| 12 | 059043 | 9829120F |
| 14 | 059060 | 9829140F |
| 16 | 059090 | 9829160F |
| 18 | 108938 | 9829180F |
| 20 | 108939 | 9829200F |
| 24 | 108940 | 9829240F |

#### Coupling Fpt x Fpt

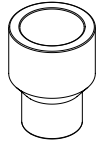


|       |        |         |
|-------|--------|---------|
| 1/4   | 059143 | 9830002 |
| 3/8   | 059144 | 9830003 |
| 1/2   | 059145 | 9830005 |
| 3/4   | 059146 | 9830007 |
| 1     | 059147 | 9830010 |
| 1-1/4 | 059148 | 9830012 |
| 1-1/2 | 059149 | 9830015 |
| 2     | 059150 | 9830020 |
| 2-1/2 | 059151 | 9830025 |
| 3     | 059152 | 9830030 |
| 4     | 059153 | 9830040 |

# XIRTEC CPVC SCH. 80

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

## Reducer Coupling Soc x Soc



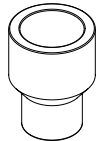
|               |        |         |
|---------------|--------|---------|
| 3/4 x 1/2     | 059460 | 9829101 |
| 1 x 1/2       | 059461 | 9829130 |
| 1 x 3/4       | 059462 | 9829131 |
| 1-1/4 x 1/2   | 059725 | 9829166 |
| 1-1/4 x 3/4   | 059726 | 9829167 |
| 1-1/4 x 1     | 059463 | 9829168 |
| 1-1/2 x 1/2   | 059727 | 9829209 |
| 1-1/2 x 3/4   | 059750 | 9829210 |
| 1-1/2 x 1     | 059465 | 9829211 |
| 1-1/2 x 1-1/4 | 059466 | 9829212 |
| 2 x 3/4       | 059728 | 9829248 |
| 2 x 1         | 059467 | 9829249 |
| 2 x 1-1/4     | 059729 | 9829250 |
| 2 x 1-1/2     | 059458 | 9829251 |
| 2-1/2 x 2     | 059730 | 9829292 |
| 3 x 2         | 059470 | 9829338 |
| 4 x 2         | 059459 | 9829420 |
| 4 x 3         | 059472 | 9829422 |
| 6 x 4         | 059471 | 9829532 |
| 8 x 6         | 059473 | 9829585 |

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

## Eccentric Coupling Soc x Soc

|         |        |           |
|---------|--------|-----------|
| 6 x 4   | 108102 | 9829532FE |
| 8 x 4   | 108103 | 9829582FE |
| 8 x 6   | 108105 | 9829585FE |
| 10 x 4  | 108104 | 9829624FE |
| 10 x 6  | 108106 | 9829626FE |
| 10 x 8  | 108107 | 9829628FE |
| 12 x 4  | 108108 | 9829664FE |
| 12 x 6  | 108109 | 9829666FE |
| 12 x 8  | 108957 | 9829668FE |
| 12 x 10 | 108110 | 9829670FE |
| 14 x 6  | 108111 | 9829696FE |
| 14 x 8  | 108112 | 9829698FE |
| 14 x 10 | 108113 | 9829700FE |
| 14 x 12 | 108114 | 9829702FE |
| 16 x 8  | 108115 | 9829758FE |
| 16 x 10 | 108116 | 9829760FE |
| 16 x 12 | 108117 | 9829762FE |
| 16 x 14 | 108118 | 9829764FE |
| 18 x 10 | 108119 | 9829790FE |
| 18 x 12 | 108120 | 9829792FE |
| 18 x 14 | 108121 | 9829794FE |
| 18 x 16 | 108122 | 9829796FE |

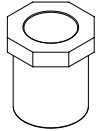
## Fabricated Reducer Coupling Soc x Soc



|         |        |          |
|---------|--------|----------|
| 10 x 4  | 108941 | 9829624F |
| 10 x 6  | 108086 | 9829626F |
| 10 x 8  | 108942 | 9829628F |
| 12 x 8  | 108943 |          |
| 12 x 10 | 108944 | 9829670F |
| 14 x 8  | 108087 | 9829698F |
| 14 x 10 | 108088 | 9829700F |
| 14 x 12 | 108945 | 9829702F |
| 16 x 8  | 108946 | 9829758F |
| 16 x 10 | 108947 | 9829760F |
| 16 x 12 | 108948 | 9829762F |
| 16 x 14 | 108949 | 9829764F |
| 18 x 10 | 108089 | 9829790F |
| 18 x 12 | 108090 | 9829792F |
| 18 x 14 | 108091 | 9829794F |
| 18 x 16 | 108092 | 9829796F |
| 20 x 12 | 108093 | 9829822F |
| 20 x 14 | 108094 | 9829824F |
| 20 x 16 | 108095 | 9829826F |
| 20 x 18 | 108096 | 9829828F |
| 24 x 12 | 108097 | 9829912F |
| 24 x 14 | 108098 | 9829914F |
| 24 x 16 | 108099 | 9829916F |
| 24 x 18 | 108100 | 9829918F |
| 24 x 20 | 108101 | 9829920F |

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

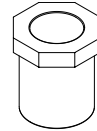
### Reducer Bushing Spig x Soc



|               |        |         |
|---------------|--------|---------|
| 3/8 x 1/4     | 059627 | 9837052 |
| 1/2 x 1/4     | 059373 | 9837072 |
| 1/2 x 3/8     | 059374 | 9837073 |
| 3/4 x 1/2     | 059375 | 9837101 |
| 1 x 1/2       | 059376 | 9837130 |
| 1 x 3/4       | 059377 | 9837131 |
| 1-1/4 x 1/2   | 059378 | 9837166 |
| 1-1/4 x 3/4   | 059379 | 9837167 |
| 1-1/4 x 1     | 059380 | 9837168 |
| 1-1/2 x 1/2   | 059381 | 9837209 |
| 1-1/2 x 3/4   | 059382 | 9837210 |
| 1-1/2 x 1     | 059383 | 9837211 |
| 1-1/2 x 1-1/4 | 059384 | 9837212 |
| 2 x 1/2       | 059385 | 9837247 |
| 2 x 3/4       | 059386 | 9837248 |
| 2 x 1         | 059387 | 9837249 |
| 2 x 1-1/4     | 059388 | 9837250 |
| 2 x 1-1/2     | 059389 | 9837251 |
| 2-1/2 x 1-1/4 | 059731 | 9837290 |
| 2-1/2 x 1-1/2 | 059732 | 9837291 |
| 2-1/2 x 2     | 059392 | 9837292 |
| 3 x 1         | 059568 | 9837335 |
| 3 x 1-1/4     | 059733 | 9837336 |
| 3 x 1-1/2     | 059393 | 9837337 |
| 3 x 2         | 059394 | 9837338 |
| 3 x 2-1/2     | 059395 | 9837339 |
| 4 x 2         | 059396 | 9837420 |
| 4 x 3         | 059397 | 9837422 |
| 6 x 2         | 059398 | 9837528 |
| 6 x 3         | 059399 | 9837530 |
| 6 x 4         | 059400 | 9837532 |
| 8 x 6         | 059401 | 9837585 |
| 10 x 8        | 059036 | 9837628 |

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

### Fabricated Reducer Bushing Spig x Soc

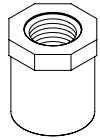


|         |        |          |
|---------|--------|----------|
| 10 x 4  | 059591 | 9837624F |
| 10 x 6  | 059631 | 9837626F |
| 12 X 4  | 059592 | 9837664F |
| 12 X 6  | 059593 | 9837666F |
| 12 x 8  | 059632 | 9837668F |
| 12 x 10 | 059633 | 9837670F |
| 14 x 4  | 108123 | 9837394F |
| 14 x 6  | 108951 | 9837396F |
| 14 x 8  | 108124 | 9837398F |
| 14 x 10 | 108952 | 9837700F |
| 14 x 12 | 108125 | 9837702F |
| 16 x 6  | 108126 | 9837756F |
| 16 x 8  | 108127 | 9837758F |
| 16 x 10 | 108953 | 9837760F |
| 16 x 12 | 108954 | 9837762F |
| 16 x 14 | 108955 | 9837764F |
| 18 x 6  | 108128 | 837786CF |
| 18 x 8  | 108129 | 837788CF |
| 18 x 10 | 108130 | 837790CF |
| 18 x 12 | 108131 | 837792CF |
| 18 x 14 | 108132 | 837794CF |
| 18 x 16 | 108133 | 837796CF |

# XIRTEC CPVC SCH. 80

Dimension inches CPVC Sch 80 Product Code Universal Number

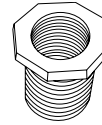
## Reducer Bushing Spig x Fpt



|               |        |         |
|---------------|--------|---------|
| 3/8 x 1/4     | 059634 | 9838052 |
| 1/2 x 1/8     | 059635 | 9838071 |
| 1/2 x 1/4     | 059428 | 9838072 |
| 1/2 x 3/8     | 059429 | 9838073 |
| 3/4 x 1/4     | 059430 | 9838098 |
| 3/4 x 1/2     | 059431 | 9838101 |
| 1 x 3/8       | 059636 | 9838129 |
| 1 x 1/2       | 059432 | 9838130 |
| 1 x 3/4       | 059433 | 9838131 |
| 1-1/4 x 1/2   | 059434 | 9838166 |
| 1-1/4 x 3/4   | 059435 | 9838167 |
| 1-1/4 x 1     | 059436 | 9838168 |
| 1-1/2 x 1/2   | 059437 | 9838209 |
| 1-1/2 x 3/4   | 059438 | 9838210 |
| 1-1/2 x 1     | 059439 | 9838211 |
| 1-1/2 x 1-1/4 | 059440 | 9838212 |
| 2 x 1/2       | 059441 | 9838247 |
| 2 x 3/4       | 059442 | 9838248 |
| 2 x 1         | 059443 | 9838249 |
| 2 x 1-1/4     | 059444 | 9838250 |
| 2 x 1-1/2     | 059445 | 9838251 |
| 2-1/2 x 1/2   | 059637 | 9838287 |
| 2-1/2 x 3/4   | 059446 | 9838288 |
| 2-1/2 x 1     | 059447 | 9838289 |
| 2-1/2 x 1-1/4 | 059448 | 9838290 |
| 2-1/2 x 1-1/2 | 059449 | 9838291 |
| 2-1/2 x 2     | 059450 | 9838292 |
| 3 x 3/4       | 059638 | 9838334 |
| 3 x 1         | 059547 | 9838335 |
| 3 x 1-1/4     | 059639 | 9838336 |
| 3 x 1-1/2     | 059451 | 9838337 |
| 3 x 2         | 059452 | 9838338 |
| 3 x 2-1/2     | 059453 | 9838339 |
| 4 x 2         | 059454 | 9838420 |
| 4 x 2-1/2     | 059640 | 9838421 |
| 4 x 3         | 059455 | 9838422 |
| 6 x 3         | 059641 | 9838530 |
| 6 x 4         | 059456 | 9838532 |

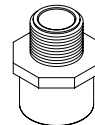
Dimension inches CPVC Sch 80 Product Code Universal Number

## Reducer Bushing Mpt x Fpt



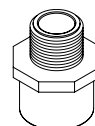
|               |        |         |
|---------------|--------|---------|
| 3/8 x 1/4     | 059402 | 9839052 |
| 1/2 x 1/4     | 059403 | 9839072 |
| 1/2 x 3/8     | 059404 | 9839073 |
| 3/4 x 1/4     | 059405 | 9839098 |
| 3/4 x 3/8     | 059406 | 9839099 |
| 3/4 x 1/2     | 059407 | 9839101 |
| 1 x 3/8       | 059642 | 9839129 |
| 1 x 1/4       | 059643 | 9839128 |
| 1 x 1/2       | 059408 | 9839130 |
| 1 x 3/4       | 059409 | 9839131 |
| 1-1/4 x 1/2   | 059410 | 9839166 |
| 1-1/4 x 3/4   | 059411 | 9839167 |
| 1-1/4 x 1     | 059412 | 9839168 |
| 1-1/2 x 1/2   | 059413 | 9839209 |
| 1-1/2 x 3/4   | 059414 | 9839210 |
| 1-1/2 x 1     | 059415 | 9839211 |
| 1-1/2 x 1-1/4 | 059416 | 9839212 |
| 2 x 1/2       | 059417 | 9839247 |
| 2 x 3/4       | 059418 | 9839248 |
| 2 x 1         | 059419 | 9839249 |
| 2 x 1-1/4     | 059420 | 9839250 |
| 2 x 1-1/2     | 059421 | 9839251 |
| 2-1/2 x 2     | 059422 | 9839292 |
| 3 x 1-1/2     | 059423 | 9839337 |
| 3 x 2         | 059424 | 9839338 |
| 3 x 2-1/2     | 059425 | 9839339 |
| 4 x 2         | 059426 | 9839420 |
| 4 x 3         | 059427 | 9839422 |

## Male Adapter Soc x Mpt



|       |        |         |
|-------|--------|---------|
| 1/2   | 059286 | 9836005 |
| 3/4   | 059287 | 9836007 |
| 1     | 059288 | 9836010 |
| 1-1/4 | 059289 | 9836012 |
| 1-1/2 | 059290 | 9836015 |
| 2     | 059291 | 9836020 |
| 2-1/2 | 059292 | 9836025 |
| 3     | 059293 | 9836030 |
| 4     | 059294 | 9836040 |

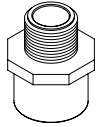
## Fabricated Male Adapter Soc x Mpt



|    |        |          |
|----|--------|----------|
| 6  | 108932 | 9836060F |
| 8  | 108134 | 9836080F |
| 10 | 108934 | 9836100F |
| 12 | 108135 | 9836120F |

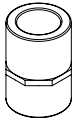
| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

#### Fabricated Male Adapter Sp x Mpt



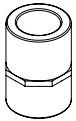
|    |        |          |
|----|--------|----------|
| 6  | 108136 | 9861060F |
| 8  | 108137 | 9861080F |
| 10 | 108138 | 9861100F |
| 12 | 108139 | 9861120F |

#### Female Adapter Soc x Fpt



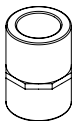
|       |        |         |
|-------|--------|---------|
| 1/4   | 059217 | 9835002 |
| 3/8   | 059218 | 9835003 |
| 1/2   | 059219 | 9835005 |
| 3/4   | 059220 | 9835007 |
| 1     | 059221 | 9835010 |
| 1-1/4 | 059222 | 9835012 |
| 1-1/2 | 059223 | 9835015 |
| 2     | 059224 | 9835020 |
| 2-1/2 | 059225 | 9835025 |
| 3     | 059226 | 9835030 |
| 4     | 059227 | 9835040 |

#### Fabricated Female Adapter Soc x Fpt



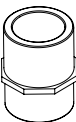
|    |        |          |
|----|--------|----------|
| 6  | 108931 | 9835060F |
| 8  | 108933 | 9835080F |
| 10 | 108140 | 9835100F |
| 12 | 108141 | 9835120F |

#### Fabricated Female Adapter Sp x Fpt



|    |        |          |
|----|--------|----------|
| 6  | 108142 | 9878060F |
| 8  | 108143 | 9878080F |
| 10 | 108144 | 9878100F |
| 12 | 108145 | 9878120F |

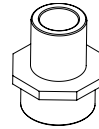
#### Female Adapter Soc x Fpt (SS reinforced)



|       |        |           |
|-------|--------|-----------|
| 1/2   | 059951 | 9835005SR |
| 3/4   | 059952 | 9835007SR |
| 1     | 059953 | 9835010SR |
| 1-1/4 | 059954 | 9835012SR |
| 1-1/2 | 059955 | 9835015SR |
| 2     | 059956 | 9835020SR |
| 2-1/2 | 059646 | 9835025SR |
| 3     | 059957 | 9835030SR |
| 4     | 059958 | 9835040SR |

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

#### Female Adapter Spig x Fpt (SS reinforced)



|       |        |           |
|-------|--------|-----------|
| 1/2   | 059945 | 9878005SR |
| 3/4   | 059946 | 9878007SR |
| 1     | 059947 | 9878010SR |
| 1-1/4 | 059948 | 9878012SR |
| 1-1/2 | 059949 | 9878015SR |
| 2     | 059950 | 9878020SR |
| 3     | 059647 | 9878030SR |
| 4     | 059648 | 9878040SR |

#### Cap Soc



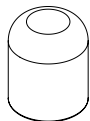
|       |        |         |
|-------|--------|---------|
| 1/4   | 059107 | 9847002 |
| 3/8   | 059108 | 9847003 |
| 1/2   | 059109 | 9847005 |
| 3/4   | 059110 | 9847007 |
| 1     | 059111 | 9847010 |
| 1-1/4 | 059112 | 9847012 |
| 1-1/2 | 059113 | 9847015 |
| 2     | 059114 | 9847020 |
| 2-1/2 | 059115 | 9847025 |
| 3     | 059116 | 9847030 |
| 4     | 059117 | 9847040 |
| 6     | 059118 | 9847060 |
| 8     | 059029 | 9847080 |

#### Fabricated Cap Soc



|    |        |          |
|----|--------|----------|
| 10 | 108958 | 9847100F |
| 12 | 108959 | 9847120F |
| 14 | 108960 | 9847140F |
| 16 | 108146 | 9847160F |
| 18 | 108147 | 9847180F |
| 20 | 108961 | 9847200F |
| 24 | 108148 | 9847240F |

#### Cap Fpt

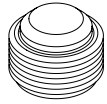


|       |        |         |
|-------|--------|---------|
| 1/4   | 059119 | 9848002 |
| 3/8   | 059120 | 9848003 |
| 1/2   | 059121 | 9848005 |
| 3/4   | 059122 | 9848007 |
| 1     | 059123 | 9848010 |
| 1-1/4 | 059124 | 9848012 |
| 1-1/2 | 059125 | 9848015 |
| 2     | 059126 | 9848020 |
| 2-1/2 | 059127 | 9848025 |
| 3     | 059128 | 9848030 |
| 4     | 059129 | 9848040 |

# XIRTEC CPVC SCH. 80

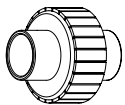
| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

Plug Mpt



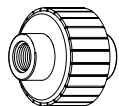
|       |        |         |
|-------|--------|---------|
| 1/4   | 059361 | 9850002 |
| 3/8   | 059362 | 9850003 |
| 1/2   | 059363 | 9850005 |
| 3/4   | 059364 | 9850007 |
| 1     | 059365 | 9850010 |
| 1-1/4 | 059366 | 9850012 |
| 1-1/2 | 059367 | 9850015 |
| 2     | 059368 | 9850020 |
| 2-1/2 | 059369 | 9850025 |
| 3     | 059370 | 9850030 |
| 4     | 059371 | 9850040 |

Union Soc x Soc (EPDM O-ring Seal)



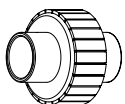
|       |        |         |
|-------|--------|---------|
| 1/2   | 059571 | 9897005 |
| 3/4   | 059572 | 9897007 |
| 1     | 059573 | 9897010 |
| 1-1/4 | 059574 | 9897012 |
| 1-1/2 | 059575 | 9897015 |
| 2     | 059576 | 9897020 |
| 3     | 059577 | 9897030 |
| 4     | 059649 | 9897040 |

Union Fpt x Fpt (EPDM O-ring Seal)



|       |        |         |
|-------|--------|---------|
| 1/2   | 059584 | 9898005 |
| 3/4   | 059578 | 9898007 |
| 1     | 059579 | 9898010 |
| 1-1/4 | 059580 | 9898012 |
| 1-1/2 | 059581 | 9898015 |
| 2     | 059582 | 9898020 |
| 3     | 059583 | 9898030 |
| 4     | 059650 | 9898040 |

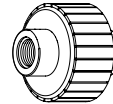
Union Soc x Soc (Viton® O-ring Seal)



|       |        |         |
|-------|--------|---------|
| 1/4   | 059519 | 9857002 |
| 1/2   | 059520 | 9857005 |
| 3/4   | 059521 | 9857007 |
| 1     | 059522 | 9857010 |
| 1-1/4 | 059523 | 9857012 |
| 1-1/2 | 059524 | 9857015 |
| 2     | 059525 | 9857020 |
| 3     | 059526 | 9857030 |
| 4     | 059550 | 9857040 |

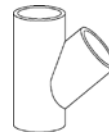
| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

Union Fpt x Fpt (Viton® O-ring Seal)



|       |        |         |
|-------|--------|---------|
| 1/4   | 059527 | 9858002 |
| 1/2   | 059529 | 9858005 |
| 3/4   | 059530 | 9858007 |
| 1     | 059531 | 9858010 |
| 1-1/4 | 059532 | 9858012 |
| 1-1/2 | 059533 | 9858015 |
| 2     | 059534 | 9858020 |
| 3     | 059535 | 9858030 |
| 4     | 059651 | 9858040 |

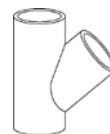
45° Wye Soc x Soc x Soc



|           |        |         |
|-----------|--------|---------|
| 1/2       | 059652 | 9875005 |
| 3/4       | 059653 | 9875007 |
| 1         | 059654 | 9875010 |
| 1-1/4     | 059655 | 9875012 |
| 1-1/2     | 059553 | 9875015 |
| 2         | 059536 | 9875020 |
| 3         | 059537 | 9875030 |
| 4         | 059538 | 9875040 |
| 6         | 059539 | 9875060 |
| 6 x 6 x 4 | 059541 | 9875532 |

1/2" - 2" Wye - 235 psi maximum internal pressure rating @ 73°F  
3" - 6 x 6 x 4" Wye - 150 psi maximum internal pressure rating @ 73°F

Fabricated 45° Wye Soc x Soc x Soc - 100 psi



|    |        |          |
|----|--------|----------|
| 8  | 108971 | 9875080F |
| 10 | 108972 | 9875100F |
| 12 | 108149 | 9875120F |
| 14 | 108973 | 9875140F |
| 16 | 108150 | 9875160F |
| 18 | 108151 | 9875180F |

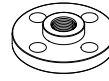
| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

#### Fabricated Reducing Wye Soc x Soc x Soc – 100 psi

|         |        |          |
|---------|--------|----------|
| 8 x 4   | 108152 | 9875582F |
| 8 x 6   | 108975 | 9875585F |
| 10 x 4  | 108977 | 9875624F |
| 10 x 6  | 108978 | 9875626F |
| 10 x 8  | 108979 | 9875628F |
| 12 x 4  | 108153 | 9875664F |
| 12 x 6  | 108154 | 9875666F |
| 12 x 8  | 108155 | 9875668F |
| 12 x 10 | 108156 | 9875670F |
| 14 x 4  | 108157 | 9875694F |
| 14 x 6  | 108158 | 9875696F |
| 14 x 8  | 108159 | 9875698F |
| 14 x 10 | 108160 | 9875700F |
| 14 x 12 | 108161 | 9875702F |
| 16 x 4  | 108162 | 9875754F |
| 16 x 6  | 108169 | 9875756F |
| 16 x 8  | 108163 | 9875758F |
| 16 x 10 | 108164 | 9875760F |
| 16 x 12 | 108165 | 9875762F |
| 16 x 14 | 108166 | 9875764F |
| 18 x 4  | 108167 | 9875784F |
| 18 x 6  | 108168 | 9875786F |
| 18 x 8  | 108170 | 9875788F |
| 18 x 10 | 108171 | 9875790F |
| 18 x 12 | 108172 | 9875792F |
| 18 x 14 | 108173 | 9875794F |
| 18 x 16 | 108174 | 9875796F |

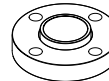
| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

#### One Piece Flange Fpt



|       |        |         |
|-------|--------|---------|
| 1/2   | 059240 | 9852005 |
| 3/4   | 059241 | 9852007 |
| 1     | 059242 | 9852010 |
| 1-1/4 | 059243 | 9852012 |
| 1-1/2 | 059244 | 9852015 |
| 2     | 059245 | 9852020 |
| 2-1/2 | 059246 | 9852025 |
| 3     | 059247 | 9852030 |
| 4     | 059248 | 9852040 |

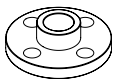
#### Heavy Duty Vanstone Flange Soc



|       |        |         |
|-------|--------|---------|
| 1/2   | 059711 | 9854005 |
| 3/4   | 059712 | 9854007 |
| 1     | 059713 | 9854010 |
| 1-1/4 | 059714 | 9854012 |
| 1-1/2 | 059266 | 9854015 |
| 2     | 059267 | 9854020 |
| 2-1/2 | 059715 | 9854025 |
| 3     | 059269 | 9854030 |
| 4     | 059270 | 9854040 |
| 6     | 059271 | 9854060 |
| 8     | 059272 | 9854080 |
| 10    | 059273 | 9854100 |
| 12    | 059569 | 9854120 |
| * 16  | 059360 | 9854160 |

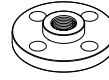
\* Plastic coated steel ring only

#### One Piece Flange Soc



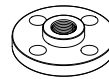
|       |        |         |
|-------|--------|---------|
| 1/2   | 059228 | 9851005 |
| 3/4   | 059229 | 9851007 |
| 1     | 059230 | 9851010 |
| 1-1/4 | 059231 | 9851012 |
| 1-1/2 | 059232 | 9851015 |
| 2     | 059233 | 9851020 |
| 2-1/2 | 059234 | 9851025 |
| 3     | 059235 | 9851030 |
| 4     | 059236 | 9851040 |
| 6     | 059238 | 9851060 |
| 8     | 059239 | 9851080 |

#### Fabricated Vanstone Flange w Plastic Ring Soc - 100 psi



|    |        |           |
|----|--------|-----------|
| 14 | 108176 | 9854140FP |
| 16 | 108177 | 9854160FP |
| 18 | 108178 | 9854180FP |
| 20 | 108179 | 9854200FP |
| 24 | 108180 | 9854240FP |

#### Fabricated Vanstone Flange w Plastic Ring Sp - 100 psi



|    |        |           |
|----|--------|-----------|
| 14 | 108189 | 9856140FP |
| 16 | 108190 | 9856160FP |
| 18 | 108191 | 9856180FP |
| 20 | 108192 | 9856200FP |
| 24 | 108193 | 9856240FP |

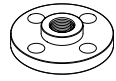
All Molded Flanges are rated at 150 psi at 73°F., non-shock. Standard 150 lb. bolting pattern.

CAUTION: When thermoplastic flanges are used with butterfly valves or other equipment, where a full face continuous support does not exist, a back-up ring or fiberglass reinforcement should be used to prevent cracking of the flange face.

# XIRTEC CPVC SCH. 80

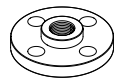
Dimension inches CPVC Sch 80 Product Code Universal Number

## Fabricated Vanstone Flange w Steel Ring Soc - 100 psi



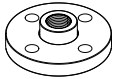
|    |           |        |
|----|-----------|--------|
| 14 | 9854140FS | 108967 |
| 16 | 9854160FS | 108968 |
| 18 | 9854180FS | 108175 |
| 20 | 9854200FS | 108969 |
| 24 | 9854240FS | 108970 |

## Fabricated Vanstone Flange w Steel Ring Sp - 100 psi



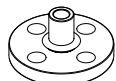
|    |           |        |
|----|-----------|--------|
| 14 | 9856140FS | 108184 |
| 16 | 9856160FS | 108185 |
| 18 | 9856180FS | 108186 |
| 20 | 9856200FS | 108187 |
| 24 | 9856240FS | 108188 |

## Vanstone Flange Fpt



|       |         |        |
|-------|---------|--------|
| 1/2   | 9855005 | 059656 |
| 1     | 9855010 | 059658 |
| 1-1/4 | 9855012 | 059284 |
| 1-1/2 | 9855015 | 059659 |
| 2     | 9855020 | 059660 |
| 2-1/2 | 9855025 | 059661 |
| 3     | 9855030 | 059285 |
| 4     | 9855040 | 059662 |

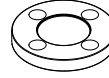
## Vanstone Flange Spig



|       |         |        |
|-------|---------|--------|
| 1/2   | 9856005 | 059274 |
| 3/4   | 9856007 | 059275 |
| 1     | 9856010 | 059276 |
| 1-1/4 | 9856012 | 059277 |
| 1-1/2 | 9856015 | 059278 |
| 2     | 9856020 | 059279 |
| 2-1/2 | 9856025 | 059280 |
| 3     | 9856030 | 059281 |
| 4     | 9856040 | 059282 |
| 6     | 9856060 | 059283 |
| 8     | 9856080 | 059570 |
| 10    | 9856100 | 059663 |
| 12    | 9856120 | 059664 |

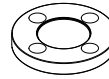
Dimension inches CPVC Sch 80 Product Code Universal Number

## Blind Flange



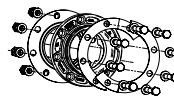
|       |         |        |
|-------|---------|--------|
| 1/2   | 9853005 | 059250 |
| 3/4   | 9853007 | 059251 |
| 1     | 9853010 | 059252 |
| 1-1/4 | 9853012 | 059253 |
| 1-1/2 | 9853015 | 059254 |
| 2     | 9853020 | 059255 |
| 2-1/2 | 9853025 | 059256 |
| 3     | 9853030 | 059257 |
| 4     | 9853040 | 059258 |
| 6     | 9853060 | 059259 |
| 8     | 9853080 | 059260 |
| 10    | 9853100 | 059665 |
| 12    | 9853120 | 059666 |

## Fabricated Blind Flange - 50 psi



|    |        |          |
|----|--------|----------|
| 10 | 108963 | 9853100F |
| 12 | 108964 | 9853120F |
| 14 | 108965 | 9853140F |
| 16 | 108181 | 9853160F |
| 18 | 108182 | 9853180F |
| 20 | 108183 | 9853200F |
| 24 | 108966 | 9853240F |

## Full Pressure Flange Kit



|       |              |        |
|-------|--------------|--------|
| 2-1/2 | 9851025FPKIT | 059469 |
| 3     | 9851030FPKIT | 059477 |
| 4     | 9851040FPKIT | 059358 |
| 6     | 9851060FPKIT | 059359 |

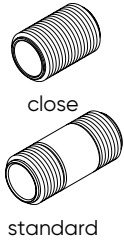
Note: Kit includes one (1) Xirtec CPVC socket flange-solid style. For detailed installation instructions of IPEX Xirtec CPVC FP Flange Kits, please refer to our Volume I: Vinyl Process Piping Systems Technical Manual.

All Molded Flanges are rated at 150 psi at 73°F., non-shock. Standard 150 lb. bolting pattern.

CAUTION: When thermoplastic flanges are used with butterfly valves or other equipment, where a full face continuous support does not exist, a back-up ring or fiberglass reinforcement should be used to prevent cracking of the flange face.

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

## Nipples



### 1/4" diameter

|           |         |        |
|-----------|---------|--------|
| 7/8 close | 9880005 | 059296 |
| 1-1/2     | 9880015 | 059306 |
| 2         | 9880020 | 059316 |
| 3         | 9880030 | 059317 |
| 4         | 9880040 | 059318 |
| 5         | 9880050 | 059319 |
| 6         | 9880060 | 059320 |

### 3/8" diameter

|         |         |        |
|---------|---------|--------|
| 1 close | 9881005 | 059551 |
| 1-1/2   | 9881015 | 059307 |
| 2       | 9881020 | 059552 |
| 3       | 9881030 | 059939 |
| 4       | 9881040 | 059554 |

### 1/2" diameter

|             |         |        |
|-------------|---------|--------|
| 1-1/8 close | 9882005 | 059297 |
| 1-1/2       | 9882015 | 059308 |
| 2           | 9882020 | 059322 |
| 3           | 9882030 | 059321 |
| 4           | 9882040 | 059324 |
| 5           | 9882050 | 059325 |
| 6           | 9882060 | 059326 |

### 3/4" diameter

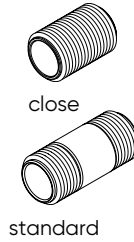
|             |         |        |
|-------------|---------|--------|
| 1-3/8 close | 9883005 | 059298 |
| 1-1/2       | 9883015 | 059309 |
| 2           | 9883020 | 059327 |
| 3           | 9883030 | 059328 |
| 4           | 9883040 | 059329 |
| 5           | 9883050 | 059331 |
| 6           | 9883060 | 059332 |

### 1" diameter

|             |         |        |
|-------------|---------|--------|
| 1-1/2 close | 9884005 | 059299 |
| 2           | 9884020 | 059310 |
| 3           | 9884030 | 059333 |
| 4           | 9884040 | 059334 |
| 5           | 9884050 | 059335 |
| 6           | 9884060 | 059336 |

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

## Nipples



### 1-1/4" diameter

|             |         |        |
|-------------|---------|--------|
| 1-5/8 close | 9885005 | 059300 |
| 2           | 9885020 | 059311 |
| 3           | 9885030 | 059338 |
| 4           | 9885040 | 059339 |
| 5           | 9885050 | 059340 |
| 6           | 9885060 | 059341 |

### 1-1/2" diameter

|             |         |        |
|-------------|---------|--------|
| 1-3/4 close | 9886005 | 059301 |
| 2           | 9886020 | 059312 |
| 3           | 9886030 | 059342 |
| 4           | 9886040 | 059343 |
| 5           | 9886050 | 059344 |
| 6           | 9886060 | 059345 |

### 2" diameter

|         |         |        |
|---------|---------|--------|
| 2 close | 9887005 | 059302 |
| 2-1/2   | 9887025 | 059313 |
| 3       | 9887030 | 059346 |
| 4       | 9887040 | 059347 |
| 5       | 9887050 | 059348 |
| 6       | 9887060 | 059349 |

### 2-1/2" diameter

|             |         |        |
|-------------|---------|--------|
| 2-1/2 close | 9888005 | 059303 |
| 6           | 9888060 | 059352 |

### 3" diameter

|             |         |        |
|-------------|---------|--------|
| 2-5/8 close | 9889005 | 059304 |
| 3           | 9889030 | 059353 |
| 4           | 9889040 | 059354 |
| 5           | 9889050 | 059355 |
| 6           | 9889060 | 059356 |

### 4" diameter

|             |         |        |
|-------------|---------|--------|
| 2-7/8 close | 9890005 | 059305 |
| 4           | 9890040 | 059314 |
| 5           | 9890050 | 059039 |
| 6           | 9890060 | 059357 |

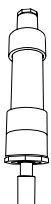
All Molded Flanges are rated at 150 psi at 73°F., non-shock. Standard 150 lb. bolting pattern.

CAUTION: When thermoplastic flanges are used with butterfly valves or other equipment, where a full face continuous support does not exist, a back-up ring or fiberglass reinforcement should be used to prevent cracking of the flange face.

# XIRTEC CPVC SCH. 80

| Dimension<br>inches | CPVC Sch 80<br>Product Code | Universal<br>Number |
|---------------------|-----------------------------|---------------------|
|---------------------|-----------------------------|---------------------|

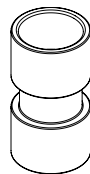
## Expansion Joint 6" Travel EPDM



|       |        |            |
|-------|--------|------------|
| 1/2   | 059973 | 9826005X6E |
| 3/4   | 059975 | 9826007X6E |
| 1     | 059977 | 9826010X6E |
| 1-1/2 | 059979 | 9826015X6E |
| 2     | 059981 | 9826020X6E |
| 3     | 059983 | 9826030X6E |
| 4     | 059985 | 9826040X6E |

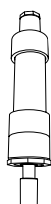
| Dimension<br>inches | Product<br>Code | Universal<br>Number |
|---------------------|-----------------|---------------------|
|---------------------|-----------------|---------------------|

## Anchor Fittings SOCxSOC



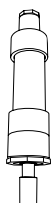
|       |        |              |
|-------|--------|--------------|
| 1-1/2 | 059924 | 622454925243 |
| 2     | 059925 | 622454925250 |
| 2-1/2 | 059926 | 622454925267 |
| 3     | 059927 | 622454925274 |
| 4     | 059928 | 622454925298 |

## Expansion Joint 12" Travel EPDM



|       |        |             |
|-------|--------|-------------|
| 1/2   | 059974 | 9826005X12E |
| 3/4   | 059976 | 9826007X12E |
| 1     | 059978 | 9826010X12E |
| 1-1/2 | 059980 | 9826015X12E |
| 2     | 059982 | 9826020X12E |
| 3     | 059984 | 9826030X12E |
| 4     | 059986 | 9826040X12E |

## Expansion Joint 6" Travel FPM

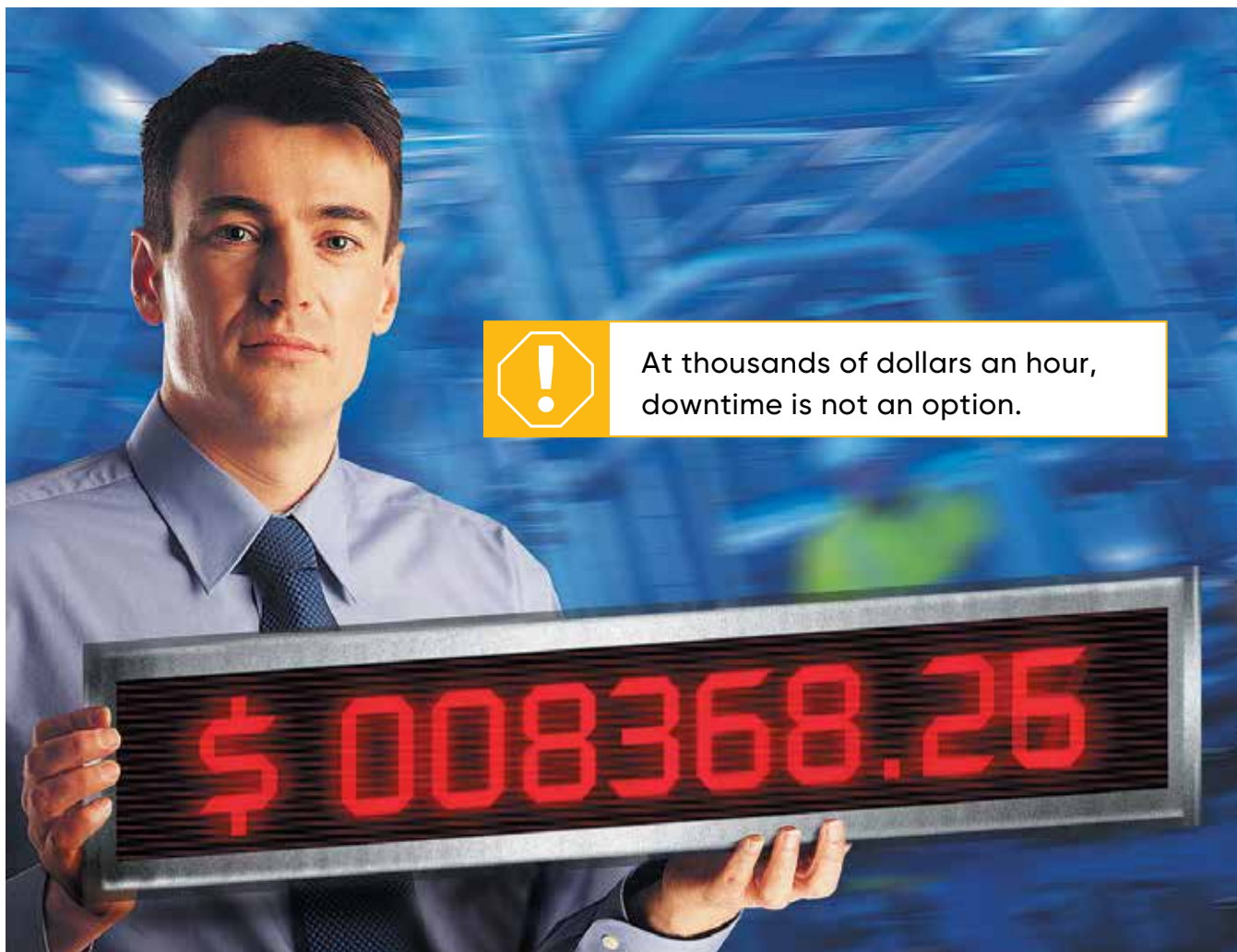


|       |        |           |
|-------|--------|-----------|
| 1/2   | 059959 | 9826005X6 |
| 3/4   | 059961 | 9826007X6 |
| 1     | 059963 | 9826010X6 |
| 1-1/2 | 059965 | 9826015X6 |
| 2     | 059967 | 9826020X6 |
| 3     | 059969 | 9826030X6 |
| 4     | 059971 | 9826040X6 |

## Expansion Joint 12" Travel FPM



|       |        |            |
|-------|--------|------------|
| 1/2   | 059960 | 9826005X12 |
| 3/4   | 059962 | 9826009X12 |
| 1     | 059964 | 9826010X12 |
| 1-1/2 | 059966 | 9826015X12 |
| 2     | 059968 | 9826020X12 |
| 3     | 059970 | 9826030X12 |
| 4     | 059972 | 9826040X12 |



## **Choose an IPEX piping system and get an integrated total solution that's built and backed by one reliable source.**

Uptime is critical to your bottom line. It's what you get from the enhanced corrosion resistance, mechanical strength and extended life of Xirtec® CPVC. Why not maximize your uptime by buying all your piping components from one manufacturer?

When you specify a Xirtec CPVC system from IPEX, you get the added benefits of a complete process piping solution that is engineered for total integration, and backed by comprehensive, coast-to-coast customer service and technical support – all from one reliable source.



You get Xirtec CPVC's outstanding resistance to photodegradation and creep stress, along with its immunity to oxidation at elevated operating temperatures up to 210°F, plus the superior consistency and reliability of an integrated solution from IPEX. It's an uptime package that's second to none.

For detailed information about our integrated Xirtec CPVC process piping systems, as well as other IPEX industrial products, including double containment and acid waste systems, call us.

# HIGH PRESSURE CLEAR-GUARD CLEAR PVC PIPE

1/2" - 8"

## Clear-Guard™

IPEX Clear-Guard™ Clear PVC pipe provides a cost-effective multipurpose solution for many different piping applications. The benefits of rigid Xirtec PVC piping are well documented including light weight, flexibility, durability and exceptional corrosion resistance. These benefits with the addition of clarity, are now available in our Clear-Guard Clear PVC pipe product. Our clarity provides 360° visibility for several applications including dual-containment, clean room and site glass applications.

With IPEX's new high pressure clear PVC pipe you can specify Schedule 40 clear pipe for applications where previously only Schedule 80 clear pipe would suffice. Our high pressure formulation, with a long-term hydrostatic design basis of 3,150 psi allows for better clarity and more versatility for various applications.

### ADVANTAGES

- 1 Sizes range from 1/2" to 8" Schedule 40 pipe
- 2 Standard 10 foot lengths
- 3 20 foot lengths available by special order
- 4 Certified to NSF-61
- 5 3,150 psi HDB – tested in accordance with ASTM D2837
- 6 Pressure and Vacuum service

### APPLICATIONS

- Clear-Guard Dual-Containment Systems
- Dual-Containment for High Purity Tubing
- Leak Detection Systems
- Agricultural & Aquacultural Applications
- Chemical Processing/Blending
- Healthcare/Hospital Use
- Laboratory Applications
- Environmental Applications
- Sight Gauge Assemblies
- Displays/Exhibits
- Food & Beverage Processing
- and more ...

### STANDARDS



Clear-Guard™ Clear PVC pipe is designed for indoor applications where there is no significant exposure to ultraviolet sources or to direct sunlight.

## COMPATIBILITY & PRESSURE RATING

IPEX Clear-Guard Clear PVC pipe is produced from a rigid, virgin Polyvinyl Chloride (PVC) compound with a Cell Classification of 15334 per ASTM D1784. This material also enables Clear-Guard Clear PVC piping to carry a maximum service temperature of 140°F when appropriate temperature/pressure de-rating factors are applied.

As with our Xirtec PVC piping system our pressure ratings are dependent on the pipe diameter and the operating temperature of the system. As temperatures increase, the pressure rating of the system decreases. Refer to the table for de-rating factors on our Clear-Guard pressure ratings.

This material is compatible with Xirtec PVC pipe, fittings and valves, and can be joined into existing PVC systems using the appropriate solvent cement joining process.

## JOINING TECHNIQUES

IPEX Clear-Guard Clear PVC pipe is easily joined by the solvent cementing process, providing a quick, strong, leak-tight seal for pressure applications.

To maintain the system's clarity, IPEX recommends the use of a clear, mediumbodied, fast-setting cement in conjunction with a clear primer for optimum joint integrity. As an added advantage due to the product's transparency, joint integrity is readily identified during the solvent cement joining process.

Details on proper solvent cementing techniques are available and must be reviewed for proper assembly and joint integrity.

| Operating Temperature (°F) | Operating Pressure De-rating Factor |
|----------------------------|-------------------------------------|
| 73                         | 1.00                                |
| 80                         | 0.88                                |
| 90                         | 0.75                                |
| 100                        | 0.62                                |
| 110                        | 0.51                                |
| 120                        | 0.40                                |
| 130                        | 0.31                                |
| 140                        | 0.22                                |



### DID YOU KNOW?

Clear-Guard™ has a higher Pressure Rating when compared to the competition clear product

| IPEX Clear-Guard PVC 3150 = HDB* @ 73°F<br>Pressure Rating |              |                   |                          |
|------------------------------------------------------------|--------------|-------------------|--------------------------|
| Size                                                       | Product Code | IPEX Sch 40 clear | Competition Sch 80 clear |
| 1/2"                                                       | 022003       | 480               | 400                      |
| 3/4"                                                       | 022009       | 390               | 333                      |
| 1"                                                         | 022014       | 360               | 286                      |
| 1-1/4"                                                     | 022026       | 290               | 250                      |
| 1-1/2"                                                     | 022031       | 260               | 222                      |
| 2"                                                         | 022036       | 220               | 200                      |
| 3"                                                         | 022045       | 210               | 182                      |
| 4"                                                         | 022053       | 180               | 167                      |
| 6"                                                         | 022057       | 140               | 133                      |
| 8"                                                         | 022198       | 120               | 125                      |

\* HDB = Hydrostatic Design Basis – the established stress value for a compound at a specific temperature

# ENPURE HIGH PURITY

1/2" - 4"

## enpure™

Enpure® proves itself as the superior high purity system manufacturing industries and research facilities are increasingly requiring high purity water systems that will meet the stringent requirements of their operations. Whether the application is for ultra pure water or for transporting chemically pure agents of foodstuffs, water purification technologies such as distillation, de-ionization, reverse osmosis and filtration eliminate a variety of impurities such as bacteria, particulates and both organic and inorganic contaminants.

The purity of a system depends on the leach ability of the material and joining method used to assemble the system.

Traditional materials used for handling high purity water have been metal and glass piping. The issue is that metals can exhibit problems with trace metal contamination; and elements such as sodium, boron, silica, lead and arsenic can be leached out of glass piping.

Over the past twenty years, advances in thermoplastic technology have enabled the effective use of plastics for high-purity water distribution systems, even in aggressive ultra high purity applications.

### APPLICATIONS

- Food processing
- Hospitals
- Research facilities
- Chemical manufacturing
- Photographic chemical processing
- Effluent treatment plants
- Water treatment plants
- Pharmaceutical manufacturing
- Laboratories
- Universities
- Biotechnology

### STANDARDS



FDA Code of Federal Regulations  
CFR Title 21-177.1520 2002



### DID YOU KNOW?

Enpure is manufactured from special high purity natural polypropylene materials. No regrind material or pigment is used in the production of pipe or fittings. Using virgin un-pigmented material ensures purity. To avoid contamination during manufacturing, the pipe is capped and boxed immediately after production. Enpure is a low-cost solution with a high resistance to chemicals, corrosion, and abrasion. It also has improved flow characteristics compared to traditional purity systems.



## ADVANTAGES

- ① **Virgin Material**  
Enpure is manufactured from special high purity virgin polypropylene materials. No regrind material is used in the manufacturing process, thereby avoiding contamination by colorants or other materials and potential loss of physical properties due to the incorporation of heat stressed materials.
- ② **Abrasion Resistance**  
The inherent abrasion resistance of natural PP allows substantial increases in life expectancy compared to other materials. In many applications, natural polypropylene out-performs other materials such as metals.
- ③ **Improved Flow**  
IPEX piping is smooth and has a substantially lower roughness factor than metal and other materials, and since thermoplastics do not rust, pit, scale or corrode, the interior walls remain smooth in virtually any service.
- ④ **Biological Resistance**  
Enpure natural PP piping is resistant to fungi and bacterial growth. The smoothness of the interior walls inhibits bacterial growth by eliminating sites where bacteria can adhere.
- ⑤ **Chemical Resistance**  
Enpure natural PP offers a complete high purity system including pipe, fittings and valves with outstanding resistance to most organic and inorganic chemicals in common use. It is potentially vulnerable to strong oxidizing acids, certain organic solvents and chlorinated hydrocarbons.
- ⑥ **Corrosion Resistance**  
Our thermoplastic materials are immune to damage from naturally corrosive soil conditions as well as electrochemical or galvanic corrosion. These non-corroding properties extend service life and lower maintenance costs even in below-grade applications.
- ⑦ **Extended Life**  
Once properly selected for the application and correctly installed, Enpure products provide years of maintenance free service.
- ⑧ **Lower Costs**  
IPEX Enpure natural PP has lower material and installation costs than other comparable materials such as stainless steel or PVDF.
- ⑨ **Service Temperature**  
IPEX Enpure line of pipe, fittings and valves are designed to meet the highest purity standards. It is because of this that there are no additives in the virgin polypropylene material. Additives such as antioxidants and UV stabilizers help thermoplastic materials with oxidation resistance. Since Enpure does not contain these additives, it is pressure rated at 73°F (23°C) and will experience lower pressure capabilities and a shortened service life if operated at elevated temperatures.
- ⑩ **Standards and Approvals**  
IPEX manufactures the widest range of thermoplastic piping systems available. All products are produced to the strictest internal quality control specifications and meet or exceed applicable regulatory standards.

## VALVE SELECTION

As is the case with other thermoplastic components in a processing system, a valve must be selected based on the characteristics of the fluid medium, the system's operating parameters, and its intended function for a particular application. Certain valve types are more suitable than others for on/off service, throttling or modulating, automation, back flow prevention, etc. The following table summarizes the valves offered as part of the Enpure system.

Some other considerations that may be important when selecting a valve include: physical space requirements or constraints, connection style, manual or remote operation, as well as position indication or feedback.

## AUTOMATED VALVES

IPEX can provide quarter turn pneumatic or electric actuators and mounting assemblies for Enpure ball valves. Pneumatic actuator bonnets are also available for Enpure diaphragm valves. A wide selection of accessories such as pilot solenoid valves, position indicators, and microswitches, allow various control and feedback options. Please refer to the Thermoplastic Valves and Quarter Turn Automation literature or contact IPEX for further details regarding availability.

## ENPURE NATURAL PP VALVES

| Valve Type                       | Sizes   | Materials     | Connections/<br>Style | Pressure<br>Rating (psi)<br>at 73°F |
|----------------------------------|---------|---------------|-----------------------|-------------------------------------|
| VKD Series<br>Ball Valves        | 1/2 - 3 | Natural<br>PP | Socket,<br>Flange     | 150                                 |
| DK Series<br>Diaphragm<br>Valves | 1/2 - 2 | Natural<br>PP | Socket,<br>Flange     | 150                                 |
| SR Series<br>Ball Check Valves   | 1/2 - 2 | Natural<br>PP | Socket,<br>Flange     | 150                                 |

## SHORT FORM SPECIFICATIONS

### SCOPE

All high-purity water piping as shown on drawings shall be socket-fused, virgin natural polypropylene (containing no regrind material) as manufactured by IPEX. The complete system of piping, valves, fittings, faucets, pipe supports and fusion equipment shall be supplied and warranted by a single manufacturer.

### DIMENSIONS

Physical dimensions of Enpure PP pipe and fittings shall meet or exceed Schedule 40 and Schedule 80 requirements.

### PIPING

Piping shall be manufactured in 10' or 20' (3 m or 6.1 m) lengths to Schedule 40 and Schedule 80 dimensions from virgin, unpigmented, Type 2 high-impact copolymer polypropylene conforming to ASTM D 4101, using no antioxidants or plasticizers. Piping shall be capped at each end and boxed for protection and cleanliness at the point of manufacturing.

### FITTINGS

Fittings shall be manufactured from virgin, unpigmented, Type 2 high-impact copolymer polypropylene conforming to ASTM D 4101, using no antioxidants or plasticizers. Fittings shall be designed for socket fusion utilizing IPEX socket fusion tools and shall have a working design pressure of 150 psi at 73°F (1,000 kPa @ 23°C). All fittings shall be packaged in polybags at the point of manufacturing to preserve fitting cleanliness.

### VALVES

All valves shall be manufactured from virgin, unpigmented type 1 Homopolymer polypropylene conforming to ASTM D 4101, using no antioxidants or plasticizers that could compromise water quality. Valves shall be designed for socket fusion utilizing IPEX socket fusion tools and shall have a working design pressure of 150 psi @ 73°F (1,000 kPa @ 23°C).

- All ball valves shall be double-blocking type with o-ring cushions under the PTFE seats, in-line micro adjustment capability and incorporate a spanner wrench in the handle.
- All diaphragm valves shall be weir-style featuring smooth (non-drilled) GRF bonnets with integrated fasteners (for cleanliness) and rising position indicator.
- All valves with EPDM diaphragms shall feature concentric ridges on valve body and smooth diaphragms.
- All valves with PTFE diaphragm shall feature machined (smooth) bodies and rigid PTFE diaphragms for positive seal and longer cycle life.
- All ball check valves shall be single union design with micro adjustable locking seat carrier.

### SUPPORTS

All piping supports shall incorporate IPEX Cobra clips manufactured from U.V. stabilized polypropylene and designed to allow free axial pipe movement during expansion and contraction of a pipe system. Support spacings shall be to the manufacturer's recommendations for the design temperature of the system.

### INSTALLATION

Installation shall be in accordance with the contract drawings, the manufacturer's recommendations and the local building codes. The entire system shall be installed stress-free and in proper alignment, with due allowance for expansion and contraction.

### TESTING

The water-testing requirements on any complete piping system vary dramatically depending on the operating pressure, temperature, installation conditions, jointing method and the proposed service medium. If the testing is not determined by the engineer or governed by regulatory code, the manufacturer should be contacted.

Air or compressed gas shall never be used for pressure testing rigid thermoplastic piping systems.



## JOINING METHODS

Joining methods should also be considered when reviewing sources of potential contamination. Not all joining methods are equal. Some joining methods can introduce contaminants into the system that are not introduced by the pipe material itself.

Below is a breakdown of the most common joining methods and their potential affects on purity. To ensure a contamination-free system, Enpure utilizes a socket fusion joining method.

| Purity Level | Joining Methods       | Description                                                                                                                                                                                                                                                                                    |
|--------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| •            | Threaded Metal Joints | Threaded metal components may cause leaching of contained metals, local stagnation of fluid flow and may produce potential sites for bacterial growth when used with high purity water.                                                                                                        |
| • •          | Soldered Metal Joints | Oxidation at welded, braised or soldered metal joints can cause contamination when exposed to the high purity water.                                                                                                                                                                           |
| • • •        | Solvent Welded Joints | Solvent welded plastic joints, unless carefully made and cured, can contribute contamination to high purity water.                                                                                                                                                                             |
| • • • •      | Socket Fusion         | Socket fusion is a simple process of melting and fusing components together resulting in a clean homogeneous joint. As no compounds are used in the process, sources of material contamination are eliminated. For these types of applications, socket fusion is the joining method of choice. |

## PRODUCT SELECTION CHART

|                                                                                     | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| Schedule 40 Pipe 10' Lengths                                                        |                     |                       |                 |
|  | 1/2                 | U1002                 | 546000          |
|                                                                                     | 3/4                 | U1003                 | 546001          |
|                                                                                     | 1                   | U1004                 | 546002          |
|                                                                                     | 1-1/4               | U1005                 | 546003          |
|                                                                                     | 1-1/2               | U1006                 | 546004          |
|                                                                                     | 2                   | U1007                 | 546005          |
|                                                                                     | 3                   | U1008                 | 546006          |
|                                                                                     | 4                   | U1009                 | 546007          |

|                                                                                     | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| Schedule 80 Pipe 10' Lengths                                                        |                     |                       |                 |
|  | 1/2                 | U1102                 | 546008          |
|                                                                                     | 3/4                 | U1103                 | 546009          |
|                                                                                     | 1                   | U1104                 | 546010          |
|                                                                                     | 1-1/4               | U1105                 | 546011          |
|                                                                                     | 1-1/2               | U1106                 | 546012          |
|                                                                                     | 2                   | U1107                 | 546013          |
|                                                                                     | 3                   | U1108                 | 546014          |
|                                                                                     | 4                   | U1109                 | 546015          |

|                                                                                     | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| Schedule 40 Pipe 20' Lengths                                                        |                     |                       |                 |
|  | 1/2                 | U1002-20              | 546020          |
|                                                                                     | 3/4                 | U1003-20              | 546021          |
|                                                                                     | 1                   | U1004-20              | 546022          |
|                                                                                     | 1-1/4               | U1005-20              | 546023          |
|                                                                                     | 1-1/2               | U1006-20              | 546024          |
|                                                                                     | 2                   | U1007-20              | 546025          |
|                                                                                     | 3                   | U1008-20              | 546026          |
|                                                                                     | 4                   | U1009-20              | 546027          |

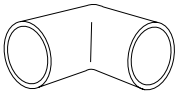
Note: 20' Enpure pipe lengths are non-stock items available upon special request.

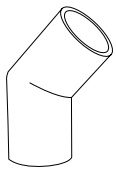
|                                                                                     | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| Schedule 80 Pipe 20' Lengths                                                        |                     |                       |                 |
|  | 1/2                 | U1102-20              | 546028          |
|                                                                                     | 3/4                 | U1103-20              | 546029          |
|                                                                                     | 1                   | U1104-20              | 546030          |
|                                                                                     | 1-1/4               | U1105-20              | 546031          |
|                                                                                     | 1-1/2               | U1106-20              | 546032          |
|                                                                                     | 2                   | U1107-20              | 546033          |
|                                                                                     | 3                   | U1108-20              | 546034          |
|                                                                                     | 4                   | U1109-20              | 546035          |

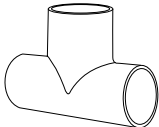
Note: 20' Enpure pipe lengths are non-stock items available upon special request.

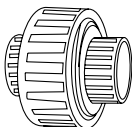
## PRODUCT SELECTION CHART – ENPURE

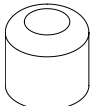
|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 1/2                 | U1202                 | 537122          |
|                                                                                   | 3/4                 | U1203                 | 537123          |
|                                                                                   | 1                   | U1204                 | 537124          |
|                                                                                   | 1-1/4               | U1205                 | 537125          |
|                                                                                   | 1-1/2               | U1206                 | 537126          |
|                                                                                   | 2                   | U1207                 | 53717           |
|                                                                                   | 3                   | U1208                 | 537128          |
|                                                                                   | 4                   | U1209                 | 537129          |

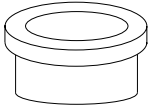
|                                                                                   |       |       |        |
|-----------------------------------------------------------------------------------|-------|-------|--------|
|  | 1/2   | U1402 | 537142 |
|                                                                                   | 3/4   | U1403 | 537143 |
|                                                                                   | 1     | U1404 | 537144 |
|                                                                                   | 1-1/4 | U1405 | 537145 |
|                                                                                   | 1-1/2 | U1406 | 537146 |
|                                                                                   | 2     | U1407 | 537147 |
|                                                                                   | 3     | U1408 | 537148 |
|                                                                                   | 4     | U1409 | 537149 |

|                                                                                     |       |       |        |
|-------------------------------------------------------------------------------------|-------|-------|--------|
|  | 1/2   | U1502 | 537152 |
|                                                                                     | 3/4   | U1503 | 537153 |
|                                                                                     | 1     | U1504 | 537154 |
|                                                                                     | 1-1/4 | U1505 | 537155 |
|                                                                                     | 1-1/2 | U1506 | 537156 |
|                                                                                     | 2     | U1507 | 537157 |
|                                                                                     | 3     | U1508 | 537158 |
|                                                                                     | 4     | U1509 | 537159 |

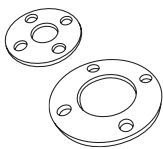
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|-------------------------------------------------------------------------------------|-------|-------|--------|
|  | 1/2   | U1602 | 537162 |
|                                                                                     | 3/4   | U1603 | 537163 |
|                                                                                     | 1     | U1604 | 537164 |
|                                                                                     | 1-1/4 | U1605 | 537165 |
|                                                                                     | 1-1/2 | U1606 | 537166 |
|                                                                                     | 2     | U1607 | 537167 |
|                                                                                     | 3     | U1608 | 537168 |
|                                                                                     | 4     | U1609 | 537169 |

|                                                                                     |       |       |        |
|-------------------------------------------------------------------------------------|-------|-------|--------|
|  | 1/2   | U1702 | 537172 |
|                                                                                     | 3/4   | U1703 | 537173 |
|                                                                                     | 1     | U1704 | 537174 |
|                                                                                     | 1-1/4 | U1705 | 537175 |
|                                                                                     | 1-1/2 | U1706 | 537176 |
|                                                                                     | 2     | U1707 | 537177 |

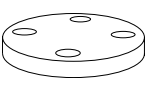
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|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 1/2                 | U1802                 | 537182          |
|                                                                                   | 3/4                 | U1803                 | 537183          |
|                                                                                   | 1                   | U1804                 | 537184          |
|                                                                                   | 1-1/4               | U1805                 | 537185          |
|                                                                                   | 1-1/2               | U1806                 | 537186          |
|                                                                                   | 2                   | U1807                 | 537187          |
|                                                                                   | 3                   | U1808                 | 537188          |

|                                                                                   |       |       |        |
|-----------------------------------------------------------------------------------|-------|-------|--------|
|  | 1/2   | U1902 | 537192 |
|                                                                                   | 3/4   | U1903 | 537193 |
|                                                                                   | 1     | U1904 | 537194 |
|                                                                                   | 1-1/4 | U1905 | 537195 |
|                                                                                   | 1-1/2 | U1906 | 537196 |
|                                                                                   | 2     | U1907 | 537197 |
|                                                                                   | 3     | U1908 | 537198 |
|                                                                                   | 4     | U1909 | 537099 |

Note: One stub flange and one steel backing flange are required for complete flange system.

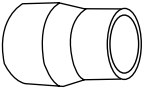
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|--------------------------------------------------------------------------------------|-------|-------|--------|
|  | 1/2   | U2112 | 537222 |
|                                                                                      | 3/4   | U2113 | 537223 |
|                                                                                      | 1     | U2114 | 537224 |
|                                                                                      | 1-1/4 | U2115 | 537225 |
|                                                                                      | 1-1/2 | U2116 | 537226 |
|                                                                                      | 2     | U2117 | 537227 |
|                                                                                      | 3     | U2118 | 537228 |
|                                                                                      | 4     | U2119 | 537229 |

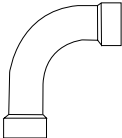
Note: One stub flange and one steel backing flange are required for complete flange system.

|                                                                                     |       |       |        |
|-------------------------------------------------------------------------------------|-------|-------|--------|
|  | 1/2   | U2102 | 537212 |
|                                                                                     | 3/4   | U2103 | 537213 |
|                                                                                     | 1     | U2104 | 537214 |
|                                                                                     | 1-1/4 | U2105 | 537215 |
|                                                                                     | 1-1/2 | U2106 | 537216 |
|                                                                                     | 2     | U2107 | 537217 |
|                                                                                     | 3     | U2108 | 537218 |
|                                                                                     | 4     | U2109 | 537219 |

IPEX components are dimensionally matched; do not install Enpure system components with components of other brands.

## PRODUCT SELECTION CHART – ENPURE

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 3/4 x 1/2           | U2232                 | 537241          |
|                                                                                   | 1 x 1/2             | U2242                 | 537242          |
|                                                                                   | 1 x 3/4             | U2243                 | 537243          |
|                                                                                   | 1-1/4 x 1           | U2254                 | 537244          |
|                                                                                   | 1-1/2 x 1           | U2264                 | 537245          |
|                                                                                   | 1-1/2 x 1-1/4       | U2265                 | 537246          |
|                                                                                   | 2 x 1               | U2274                 | 537247          |
|                                                                                   | 2 x 1-1/4           | U2275                 | 537248          |
|                                                                                   | 2 x 1-1/2           | U2276                 | 537249          |
|                                                                                   | 3 x 1-1/2           | U2286                 | 537250          |
|                                                                                   | 3 x 2               | U2287                 | 537251          |
|                                                                                   | 4 x 2               | U2297                 | 537252          |
|                                                                                   | 4 x 3               | U2298                 | 537253          |

|                                                                                    |       |       |        |
|------------------------------------------------------------------------------------|-------|-------|--------|
|  | 1/2   | U2302 | 537272 |
|                                                                                    | 3/4   | U2303 | 537273 |
|                                                                                    | 1     | U2304 | 537304 |
|                                                                                    | 1-1/4 | U2305 | 537305 |
|                                                                                    | 1-1/2 | U2306 | 537306 |
|                                                                                    | 2     | U2307 | 537307 |
|                                                                                    | 3     | U2308 | 537308 |
|                                                                                    | 4     | U2309 | 537309 |

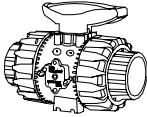
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|----------------------------------------------------------------------------------------------------------------|-------|-------|--------|
|  | 1/2   | U2402 | 537322 |
|                                                                                                                | 3/4   | U2403 | 537323 |
|                                                                                                                | 1     | U2404 | 537324 |
|                                                                                                                | 1-1/4 | U2405 | 537325 |
|                                                                                                                | 1-1/2 | U2406 | 537326 |
|                                                                                                                | 2     | U2407 | 537327 |
|                                                                                                                | 3     | U2408 | 537328 |
|                                                                                                                | 4     | U2409 | 537329 |

|                                                                                     |        |        |        |
|-------------------------------------------------------------------------------------|--------|--------|--------|
|  | ** 3/8 | 434305 | 437340 |
|                                                                                     | 1/2    | 434306 | 437341 |
|                                                                                     | 3/4    | 434307 | 437342 |
|                                                                                     | 1      | 434308 | 437343 |
|                                                                                     | 1-1/4  | 434309 | 437344 |
|                                                                                     | 1-1/2  | 434310 | 437345 |
|                                                                                     | 2      | 434311 | 437346 |
|                                                                                     | 3      | 434313 | 437348 |
|                                                                                     | 4      | 434314 | 437349 |

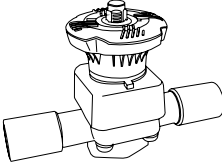
Note: 3/8" 1/2", 3/4" and 1" pipe clips are supplied without retaining bands.

\*\* Discontinued when stock is depleted

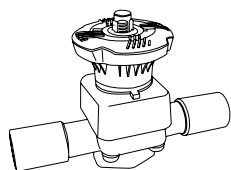
|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 1/2 x 1/2           | U2702                 | 537362          |
|                                                                                   | 1/2 x 1/4           | U2720                 | 537370          |
|                                                                                   | 1/2 x 3/8           | U2721                 | 537371          |
|                                                                                   | 3/4 x 3/4           | U2703                 | 537363          |
|                                                                                   | 1 x 1               | U2704                 | 537364          |
|                                                                                   | 1-1/4 x 1-1/4       | U2705                 | 537365          |

|                                                                                   |       |       |        |
|-----------------------------------------------------------------------------------|-------|-------|--------|
|  | 1/2   | U3112 | 537031 |
|                                                                                   | 3/4   | U3113 | 537032 |
|                                                                                   | 1     | U3114 | 537033 |
|                                                                                   | 1-1/4 | U3115 | 537034 |
|                                                                                   | 1-1/2 | U3116 | 537035 |
|                                                                                   | 2     | U3117 | 537036 |
|                                                                                   | 3     | U3119 | 537040 |

|                                                                                     |       |         |        |
|-------------------------------------------------------------------------------------|-------|---------|--------|
|  | 1/2   | U3102EC | 537014 |
|                                                                                     | 3/4   | U3103EC | 537015 |
|                                                                                     | 1     | U3104EC | 537016 |
|                                                                                     | 1-1/4 | U3105EC | 537017 |
|                                                                                     | 1-1/2 | U3106EC | 537018 |
|                                                                                     | 2     | U3107EC | 537019 |

|                                                                                      |       |       |        |
|--------------------------------------------------------------------------------------|-------|-------|--------|
|  | 1/2   | U4502 | 537053 |
|                                                                                      | 3/4   | U4503 | 537054 |
|                                                                                      | 1     | U4504 | 537055 |
|                                                                                      | 1-1/4 | U4505 | 537056 |
|                                                                                      | 1-1/2 | U4506 | 537057 |
|                                                                                      | 2     | U4507 | 537058 |

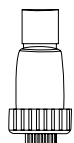
## PRODUCT SELECTION CHART – ENPURE



### DK Diaphragm Valve – EPDM Diaphragm Soc

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
| 1/2                 | U4602                 | 537047          |
| 3/4                 | U4603                 | 537048          |
| 1                   | U4604                 | 537049          |
| 1-1/4               | U4605                 | 537050          |
| 1-1/2               | U4606                 | 537051          |
| 2                   | U4607                 | 537052          |

### Single Union Ball Check Valve w/ Viton® Seats & Seals Soc



|       |       |        |
|-------|-------|--------|
| 1/2   | U3702 | 537784 |
| 3/4   | U3703 | 537785 |
| 1     | U3704 | 537786 |
| 1-1/4 | U3705 | 537787 |
| 1-1/2 | U3706 | 537788 |
| 2     | U3707 | 537189 |

### Heater Bushing Set- PTFE Coated (1 x Soc, 1 x Sp)

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
| 1/2                 | U2812                 | 537382          |
| 3/4                 | U2813                 | 537383          |
| 1                   | U2814                 | 537384          |
| 1-1/4               | U2815                 | 537385          |
| 1-1/2               | U2816                 | 537386          |
| 2                   | U2817                 | 537387          |
| 3                   | U2818                 | 537388          |
| 4                   | U2819                 | 537389          |

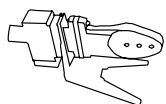
### Tempilstiks

|              |        |
|--------------|--------|
| U2850 (488°) | 537406 |
| U2851 (575°) | 537407 |

### Socket Fusion Joining Kit c/w Full Set of Heater Bushings

|          |       |        |
|----------|-------|--------|
| 1/2 to 2 | U2827 | 537401 |
| 1/2 to 4 | U2829 | 537404 |

### Socket Fusion Joining Tool – Paddle Only



|          |   |        |
|----------|---|--------|
| 1/2 to 2 | - | 537403 |
| 1/2 to 4 | - | 537400 |

### Bench Fusion Joining Kit c/w Full Set of Heater Bushings

|          |       |        |
|----------|-------|--------|
| 1/2 to 4 | U2890 | 537410 |
|----------|-------|--------|

# Health Care Systems



## At IPEX you get more than products. You get our knowledge

You get more than just purity with Enpure™. You get peace of mind. Enpure is one of the most complete and dependable pure-water thermoplastic piping systems available today. From the manufacturing of cosmetics to solutions for medical use, from pure-water lab applications to dialysis machines, Enpure is designed to meet all challenges. Manufactured with FDA approved materials, Enpure natural polypropylene pipe, valves and fittings eliminate the potential of contamination to your pure process.

And, unlike conventional systems, Enpure is designed as a socket fusion system. No hazardous chemicals are used for joining. Connections are as "clean" as any other components in the system.



For more than 35 years IPEX has provided laboratories throughout North America with complete acid waste systems designed to take a variety of chemicals. Pour it, flush it or dump it – from school labs to industrial labs, Enfield™ FRPP & NRPFP, Labline® polypro, and Plenumline™ FR-PVDF acid waste systems are built to handle it.

Enfield electrofusion along with Labline & Plenumline mechanical joints have revolutionized the industry – and they continue to be regarded as state-of-the-art. Labline and Plenumline also feature a new no-heat Elastolive for quicker installation and higher performance.

Backed by IPEX's 65 years of experience, Enpure, Enfield, Labline and Plenumline are built to our strict quality, performance and dimensional standards.

# DURAPLUS ABS INDUSTRIAL

1/2" - 8"

## Duraplus™

The Duraplus® Industrial Piping System by IPEX offers a complete range of ABS pressure pipe, valves and fittings that are ideal for demanding applications ranging from abrasive slurries and separation reagents to caustic processes and low temperature glycol systems. These rugged Duraplus components operate over a wide range of temperatures while delivering excellent material properties including:

- Exceptional Toughness
- Non-Toxicity
- Corrosion Resistance

This design and installation manual provides the most up-to-date comprehensive information about IPEX's Duraplus ABS Industrial Piping System. By combining IPEX's laboratory test results with over 65 years of field experience, we have produced a manual suited to engineers, contractors and distributors alike. All aspects of Duraplus are described here – from basic raw material properties through to installation procedures of the finished product.

IPEX offers matched Duraplus pipes, fittings and valves in IPS sizes ranging from 1/2" to 8" nominal diameter, suitable for pressures up to 230 psi at 73°F (depending on the size).

### DURAPLUS® FEATURES:

- High impact strength
- Outstanding ductility
- Wide chemical resistance
- Competitive installed cost
- Operating range from -40°F to +140°F
- Long term UV resistance
- Multiple proven and easy joining methods

### ADVANTAGES

- 1** **Lightweight**  
Duraplus Industrial ABS material is 1/8 the weight of steel and 1/5 the weight of copper.
- 2** **Simple, Reliable Joining Method**  
Solvent cemented joints can be made quickly and easily without expensive equipment or certifications. Flanging and threaded joints are also possible.
- 3** **Grooved Joints**  
Allow quick assembly and disassembly, pipe rotation for even wear and cleaning of individual pipe sections.
- 4** **Wide Range of Pressure and Temperature Capabilities**  
Operating pressures from drainage up to 230 psi and temperature range from -40°F to 140°F make this product suitable for the harshest environments.
- 5** **Lower Installation Costs**  
Duraplus Industrial ABS is less expensive to install because of its simple joining methods – its lightweight and ease of handling.
- 6** **Lower Maintenance Costs**  
Duraplus Industrial ABS has excellent chemical resistance, corrosion resistance and impact resistance resulting in a piping system that lasts longer.
- 7** **No Heat, No Sparks, No Open Flames**  
Pipe can be joined to fitting without the necessity of heat.
- 8** **Abrasion Resistance**  
The rubber-like poly-butadiene phase gives Duraplus Industrial ABS exceptionally good abrasion resistance to slurries and other abrasive media.

### APPLICATIONS

- **Chilled water / HVAC**  
Chilled Water Lines      Cooling Tower Pipes  
Condensate Drain Lines      Humidification Supply Lines
- **Off Shore Applications**  
"Mud" Systems      Deluge Systems  
Topside (low pressure) Operations      (Emergency Showers/Eye Baths)  
Vacuum Systems      Chilled Water (Air Conditioning)  
(Drill Cuttings Transport)      Potable Water  
Deck Wash System –      Black Water Drainage  
Supply & Drainage
- **Mining**  
Slurries      Chemical Treatment  
Water Lines      Tailing Lines  
Vent Piping
- **Secondary Loop Refrigeration**  
Glycol Chilled Lines

### STANDARDS



The ABS compound used in the manufacturing of Duraplus ABS Industrial Pipe complies with the material requirements of ASTM D3965, "Standard Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Materials for Pipe and Fittings".

## SHORT FORM SPECIFICATIONS

### GENERAL

Duraplus ABS is designed for industrial pressure pipe applications where the extremely high-impact resistance and ductility of the material offers some insurance against internal and external shock loadings and site abuse conditions. It's unique combination of ABS properties – non-toxicity, purity, corrosion- and chemical-resistance, toughness, low-hydraulic resistance, and the ability to perform over a wide temperature range (-40°F to +140°F) ensures excellent in-service performance and system life.

### MATERIAL SPECIFICATION

Pipe and fittings shall be manufactured from a copolymeric material – Acrylonitrile Butadiene Styrene (ABS) – conforming to a 43232 cell classification in accordance with ASTM D3965.

Material for both pipe and fittings shall have a design stress of not less than 2,000 psi, and shall be designed with a 2 to 1 safety factor for a 50 year lifespan when operated under continuous pressure.

The material shall have an izod impact resistance value of not less than 6 ft./lb. at 73°F and 3 ft./lb. at -22°F, when tested in accordance with ASTM D256, method 'A'.

### PIPE

Pipes shall be manufactured by IPEX and designed on a Standard Dimension Ratio (SDR) basis to give various pressure ratings as described below:

| Pipe Class | Equivalent DR | Continuous Pressure Rating at 73°F (23°C) | Size Range |
|------------|---------------|-------------------------------------------|------------|
| Class C    | DR 15.5       | 145 psi                                   | 1" to 8"   |
| Class E    | DR 10.0       | 230 psi                                   | 1/2" to 4" |
| Class T    | –             | 180 psi                                   | 1/2" to 2" |

### FITTINGS

Fittings shall be of the socket type, designed for solvent welding as supplied by IPEX.

Fittings shall be designed and manufactured so that they withstand the continuous pressures applicable to the maximum pressure native of the pipe.

### SOLVENT CEMENT

All joints shall be made with Gray Duraplus ABS solvent cement as supplied by IPEX.

The solvent cement shall be designed to withstand continuous applied pressures up to 230 psi at 73°F.

### DESIGN AND INSTALLATION

The design and installation of ABS pressure systems shall be performed in accordance with the recommendations detailed in the Handling and Installation section of this manual, local and national regulations where applicable.

To ensure the full integrity of the completed system, all components shall be supplied by IPEX.

### DID YOU KNOW?

Duraplus Industrial ABS is an extremely versatile process piping system that combines ruggedness, chemical resistance, light weight and ease of installation.

The most common applications for Duraplus Industrial ABS utilizes its outstanding impact resistance, ductility and abrasion resistance at both low and high temperatures.



## PRODUCT SELECTION CHART – DURAPLUS

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| Pipe – 145 psi at 73° F                                                           |                     |                       |                 |
|  | 1                   | 511104                | 346059          |
|                                                                                   | 1-1/2               | 511106                | 346060          |
|                                                                                   | 2                   | 511107                | 346061          |
|                                                                                   | 3                   | 511109                | 346062          |
|                                                                                   | 4                   | 511110                | 346063          |
|                                                                                   | 6                   | 511112                | 346064          |
|                                                                                   | 8                   | 511113                | 346065          |
| Standard length of pipe is 19.7 feet.                                             |                     |                       |                 |

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| Saddle Clip – Polypropylene                                                       |                     |                       |                 |
|  | 1/2                 | 455102                | 337454          |
|                                                                                   | 3/4                 | 455103                | 337455          |
|                                                                                   | 1                   | 455104                | 337456          |
|                                                                                   | 1-1/4               | 455105                | 337457          |
|                                                                                   | 1-1/2               | 455106                | 337458          |
|                                                                                   | 2                   | 455107                | 337459          |
|                                                                                   | 3                   | 455109                | 337460          |
|                                                                                   | 4                   | 455110                | 337461          |

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| Pipe – 230 psi at 73° F                                                           |                     |                       |                 |
|  | 1/2                 | 513102                | 346067          |
|                                                                                   | 3/4                 | 513103                | 346068          |
|                                                                                   | 1                   | 513104                | 346069          |
|                                                                                   | 1-1/4               | 513105                | 346070          |
|                                                                                   | 1-1/2               | 513106                | 346071          |
|                                                                                   | 2                   | 513107                | 346072          |
|                                                                                   | 3                   | 513109                | 346073          |
|                                                                                   | 4                   | 513110                | 346074          |
| Standard length of pipe is 19.7 feet.                                             |                     |                       |                 |

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| Cobra Pipe Clip – Polypropylene                                                   |                     |                       |                 |
|  | ** 3/8              | 434305                | 437340          |
|                                                                                   | 1/2                 | 434306                | 437341          |
|                                                                                   | 3/4                 | 434307                | 437342          |
|                                                                                   | 1                   | 434308                | 437343          |
|                                                                                   | 1-1/4               | 434309                | 437344          |
|                                                                                   | 1-1/2               | 434310                | 437345          |
|                                                                                   | 2                   | 434311                | 437346          |
|                                                                                   | 2-1/2               | 434312                | 437347          |
|                                                                                   | 3                   | 434313                | 437348          |
|                                                                                   | 4                   | 434314                | 437349          |
|                                                                                   | 6                   | 434317                | 437432          |

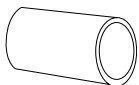
Note: 3/8" 1/2", 3/4" and 1" pipe clips are supplied without retaining bands.

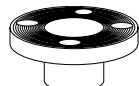
\*\* Discontinued when stock is depleted

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| Class "T" – Suitable for Threading<br>(180psi at 73°F after threading)            |                     |                       |                 |
|  | 1/2                 | 514102                | 346054          |
|                                                                                   | 3/4                 | 514103                | 346055          |
|                                                                                   | 1                   | 514104                | 346056          |
|                                                                                   | 1-1/2               | 514106                | 346057          |
|                                                                                   | 2                   | 514107                | 346058          |
| Standard length of pipe is 19.7 feet.                                             |                     |                       |                 |

All Threads are BSP tapered unless otherwise noted \*\*\*.  
Systems using plastic threaded components are restricted to 180 psi. The use of PTFE sealing tape is recommended.  
Only the correct Duraplus® cement will provide a compatible joint. All warranties void if other cement used.

## PRODUCT SELECTION CHART – DURAPLUS

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 1/2                 | 100102                | 337022          |
|                                                                                   | 3/4                 | 100103                | 337023          |
|                                                                                   | 1                   | 100104                | 337024          |
|                                                                                   | 1-1/4               | 100105                | 337025          |
|                                                                                   | 1-1/2               | 100106                | 337026          |
|                                                                                   | 2                   | 100107                | 337027          |
|                                                                                   | 3                   | 100109                | 337028          |
|                                                                                   | 4                   | 100110                | 337029          |
|                                                                                   | 6                   | 100112                | 337030          |
|                                                                                   | 8                   | 100113                | 337031          |

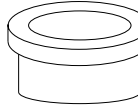
|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 1/2                 | 322102                | 337353          |
|                                                                                   | 3/4                 | 322103                | 337354          |
|                                                                                   | 1                   | 322104                | 337355          |
|                                                                                   | 1-1/4               | 322105                | 337356          |
|                                                                                   | 1-1/2               | 322106                | 337357          |
|                                                                                   | 2                   | 322107                | 337358          |
|                                                                                   | 3                   | 322109                | 337359          |
|                                                                                   | 4                   | 322110                | 337360          |
|                                                                                   | 6                   | 322112                | 337361          |

Note: A metal backing ring must be used with this flange.

|                                                                                     | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 1/2                 | 129102                | 337226          |
|                                                                                     | 3/4                 | 129103                | 337227          |
|                                                                                     | 1                   | 129104                | 337228          |
|                                                                                     | 1-1/4               | 129105                | 337229          |
|                                                                                     | 1-1/2               | 129106                | 337230          |
|                                                                                     | 2                   | 129107                | 337231          |
|                                                                                     | 3                   | 129109                | 337232          |
|                                                                                     | 4                   | 129110                | 337233          |
|                                                                                     | 6                   | 129112                | 337234          |

Note: A metal backing ring must be used with this flange.

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 1/2                 | 426102                | 337439          |
|                                                                                   | 3/4                 | 426103                | 337440          |
|                                                                                   | 1                   | 426104                | 337441          |
|                                                                                   | 1-1/4               | 426105                | 337442          |
|                                                                                   | 1-1/2               | 426106                | 337443          |
|                                                                                   | 2                   | 426107                | 337444          |
|                                                                                   | 3                   | 426109                | 337445          |
|                                                                                   | 4                   | 426110                | 337446          |
|                                                                                   | 6                   | 426112                | 337447          |

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 2                   | 135107                | 337235          |
|                                                                                   | 3                   | 135109                | 337236          |
|                                                                                   | 4                   | 135110                | 337237          |
|                                                                                   | 6                   | 135112                | 337238          |
|                                                                                   | 8                   | 135113                | 337239          |

Note: A metal backing ring must be used with this flange.

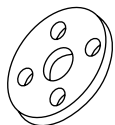
|                                                                                     | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 2                   | 431107                | 337448          |
|                                                                                     | 3                   | 431109                | 337449          |
|                                                                                     | 4                   | 431110                | 337450          |
|                                                                                     | 6                   | 431112                | 337451          |
|                                                                                     | 8                   | 431113                | 337452          |

Note: It is essential that steel backing rings are used with all types of stub, full face and blind flanges.

## PRODUCT SELECTION CHART – DURAPLUS

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

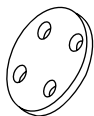
### Backing Ring – Galv, M.S. Drilled ASA 150



|       |        |        |
|-------|--------|--------|
| 1/2   | 425102 | 337426 |
| 3/4   | 425103 | 337427 |
| 1     | 425104 | 337428 |
| 1-1/4 | 425105 | 337429 |
| 1-1/2 | 425106 | 337430 |
| 2     | 425107 | 337431 |
| 3     | 425109 | 337433 |
| 4     | 425110 | 337434 |
| 6     | 425112 | 337435 |
| 8     | 425113 | 337436 |

Note: For use with flanges.

### Blind Flange – Drilled ASA 150



|   |        |        |
|---|--------|--------|
| 3 | 325109 | 337364 |
| 4 | 325110 | 337365 |
| 6 | 325112 | 337366 |
| 8 | 325113 | 337367 |

Note: A metal backing ring must be used with this flange.

Undrilled flanges are available at the same price as drilled. Order code 131.

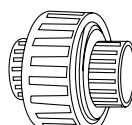
### Cap Soc



|       |        |        |
|-------|--------|--------|
| 1/2   | 140102 | 337246 |
| 3/4   | 140103 | 337247 |
| 1     | 140104 | 337248 |
| 1-1/4 | 140105 | 337249 |
| 1-1/2 | 140106 | 337250 |
| 2     | 140107 | 337251 |
| 3     | 140109 | 337252 |
| 4     | 140110 | 337253 |

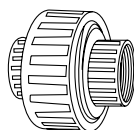
| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

### Union – EPDM Seal Soc



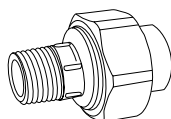
|       |        |        |
|-------|--------|--------|
| 1/2   | 205102 | 337271 |
| 3/4   | 205103 | 337272 |
| 1     | 205104 | 337273 |
| 1-1/4 | 205105 | 337274 |
| 1-1/2 | 205106 | 337275 |
| 2     | 205107 | 337276 |
| 3     | 205109 | 337277 |
| 4     | 205110 | 337278 |

### Union ABS Soc x Brass Female Thread (EPDM Seal)



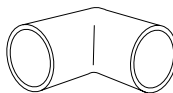
|       |        |        |
|-------|--------|--------|
| 1/2   | 212102 | 337300 |
| 3/4   | 212103 | 337301 |
| 1     | 212104 | 337302 |
| 1-1/4 | 212105 | 337303 |
| 1-1/2 | 212106 | 337304 |
| 2     | 212107 | 337305 |

### Transition Union ABS Soc x Brass MPT



|       |        |        |
|-------|--------|--------|
| 1/2   | 217102 | 337400 |
| 3/4   | 217103 | 337401 |
| 1     | 214104 | 337109 |
| 1-1/4 | 217105 | 337191 |
| 1-1/2 | 217106 | 337192 |
| 2     | 217107 | 337193 |

### 90° Elbow Soc



|       |        |        |
|-------|--------|--------|
| 1/2   | 115102 | 337133 |
| 3/4   | 115103 | 337134 |
| 1     | 115104 | 337135 |
| 1-1/4 | 115105 | 337136 |
| 1-1/2 | 115106 | 337137 |
| 2     | 115107 | 337138 |
| 3     | 115109 | 337139 |
| 4     | 115110 | 337140 |
| 6     | 115112 | 337141 |
| 8     | 115113 | 337142 |

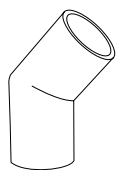
All Threads are BSP tapered unless otherwise noted \*\*\*.

Systems using plastic threaded components are restricted to 180 psi. The use of PTFE sealing tape is recommended.

Only the correct Duraplus® cement will provide a compatible joint. All warranties void if other cement used.

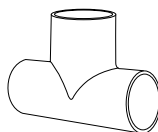
## PRODUCT SELECTION CHART – DURAPLUS

### 45° Elbow Soc



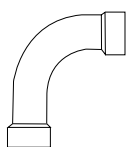
| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
| 1/2                 | 119102                | 337157          |
| 3/4                 | 119103                | 337158          |
| 1                   | 119104                | 337159          |
| 1-1/4               | 119105                | 337160          |
| 1-1/2               | 119106                | 337161          |
| 2                   | 119107                | 337162          |
| 3                   | 119109                | 337163          |
| 4                   | 119110                | 337164          |
| 6                   | 119112                | 337165          |
| 8                   | 119113                | 337166          |

### Tee Soc



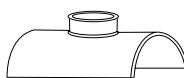
| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
| 1/2                 | 122102                | 337171          |
| 3/4                 | 122103                | 337172          |
| 1                   | 122104                | 337173          |
| 1-1/4               | 122105                | 337174          |
| 1-1/2               | 122106                | 337175          |
| 2                   | 122107                | 337176          |
| 3                   | 122109                | 337177          |
| 4                   | 122110                | 337178          |
| 6                   | 122112                | 337179          |
| 8                   | 122113                | 337180          |

### 90° Bend – Short Radius Soc



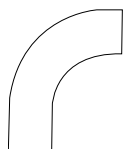
|       |        |        |
|-------|--------|--------|
| 1/2   | 118102 | 337148 |
| 3/4   | 118103 | 337149 |
| 1     | 118104 | 337150 |
| 1-1/4 | 118105 | 337151 |
| 1-1/2 | 118106 | 337152 |
| 2     | 118107 | 337153 |
| 3     | 118109 | 337154 |
| 4     | 118110 | 337155 |

### Saddle Soc



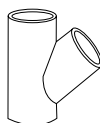
|           |        |        |
|-----------|--------|--------|
| 2 x 1-1/4 | 126129 | 337205 |
| 3 x 1     | 126132 | 337207 |
| 3 x 1-1/2 | 126134 | 337208 |
| 4 x 1     | 126137 | 337209 |
| 4 x 2     | 126140 | 337210 |
| 6 x 1     | 126143 | 337211 |
| 6 x 1-1/2 | 126145 | 337212 |
| 6 x 2     | 126146 | 337213 |

### 90° Bend – Long Radius Sp (Center Line Radius = 4xD)



|   |        |        |
|---|--------|--------|
| 3 | 309109 | 337320 |
| 4 | 309110 | 337321 |
| 6 | 309112 | 337322 |
| 8 | 309113 | 337323 |

### 45° Wye Soc



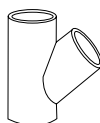
|       |        |        |
|-------|--------|--------|
| 1/2   | 128102 | 337214 |
| 3/4   | 128103 | 337215 |
| 1     | 128104 | 337216 |
| 1-1/4 | 128105 | 337217 |
| 1-1/2 | 128106 | 337218 |
| 2     | 128107 | 337219 |

### 45° Bend – Long Radius Sp (Center Line Radius = 4xD)



|   |        |        |
|---|--------|--------|
| 3 | 310109 | 337330 |
| 4 | 310110 | 337331 |
| 6 | 310112 | 337332 |
| 8 | 310113 | 337333 |

### 45° Wye – Fabricated Sp x Sp



|   |        |        |
|---|--------|--------|
| 3 | 128109 | 337220 |
| 4 | 128110 | 337221 |
| 6 | 128112 | 337222 |
| 8 | 128113 | 337223 |

All Threads are BSP tapered unless otherwise noted \*\*\*.

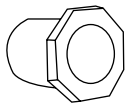
Systems using plastic threaded components are restricted to 180 psi. The use of PTFE sealing tape is recommended.

Only the correct Duraplus® cement will provide a compatible joint. All warranties void if other cement used.

## PRODUCT SELECTION CHART – DURAPLUS

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

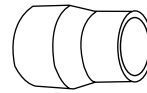
### Reducer Bushing Sp x Soc



|               |        |        |
|---------------|--------|--------|
| 1/2 x 3/8     | 109121 | 337050 |
| 3/4 x 1/2     | 109122 | 337051 |
| 1 x 1/2       | 109123 | 337052 |
| 1 x 3/4       | 109124 | 337053 |
| 1-1/4 x 1/2   | 109116 | 337045 |
| 1-1/4 x 3/4   | 109117 | 337046 |
| 1-1/4 x 1     | 109125 | 337054 |
| 1-1/2 x 1/2   | 109118 | 337047 |
| 1-1/2 x 3/4   | 109119 | 337048 |
| 1-1/2 x 1     | 109126 | 337055 |
| 1-1/2 x 1-1/4 | 109127 | 337056 |
| 2 x 3/4       | 109120 | 337049 |
| 2 x 1         | 109128 | 337057 |
| 2 x 1-1/4     | 109129 | 337058 |
| 2 x 1-1/2     | 109130 | 337059 |
| 3 x 1-1/2     | 109134 | 337061 |
| 3 x 2         | 109135 | 337062 |
| 4 x 3         | 109141 | 337064 |
| 6 x 4         | 109147 | 337065 |
| 8 x 6         | 109152 | 337066 |

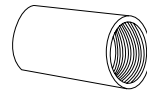
| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

### Reducer Coupler Soc



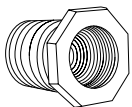
|               |        |        |
|---------------|--------|--------|
| 3/4 x 1/2     | 114122 | 337121 |
| 1 x 3/4       | 114124 | 337122 |
| 1-1/4 x 1     | 114125 | 337123 |
| 1-1/2 x 1-1/4 | 114127 | 337124 |
| 2 x 1-1/2     | 114130 | 337125 |
| 3 x 2         | 114135 | 337126 |
| 4 x 3         | 114141 | 337127 |
| 6 x 4         | 114147 | 337128 |
| 8 x 6         | 114152 | 337129 |

### Adapter Coupling Soc x Female Thread



|       |        |        |
|-------|--------|--------|
| 1/2   | 101102 | 337037 |
| 3/4   | 101103 | 337038 |
| 1     | 101104 | 337039 |
| 1-1/4 | 101105 | 337040 |
| 1-1/2 | 101106 | 337098 |
| 2     | 101107 | 337099 |

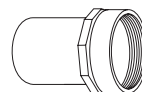
### Reducer Bushing Male Thread x Female Thread



|              |        |        |
|--------------|--------|--------|
| ** 3/4 x 1/2 | 113122 | 337076 |
|--------------|--------|--------|

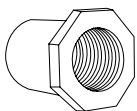
\*\* Discontinued when stock is depleted

### Female Adapter Sp x Female Thread



|       |        |        |
|-------|--------|--------|
| 1/2   | 153102 | 337257 |
| 3/4   | 153103 | 337258 |
| 1     | 153104 | 337259 |
| 1-1/4 | 153105 | 337260 |
| 1-1/2 | 153106 | 337261 |
| 2     | 153107 | 337262 |

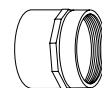
### Reducer Bushing Sp x Female Thread



|              |        |        |
|--------------|--------|--------|
| ** 1/2 x 3/8 | 111121 | 337072 |
| ** 3/4 x 1/2 | 111122 | 337073 |
| ** 1 x 3/4   | 111124 | 337074 |

\*\* Discontinued when stock is depleted

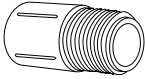
### Female Adapter Soc x FPT

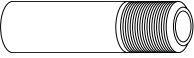


|       |        |        |
|-------|--------|--------|
| 1/2   | 102102 | 337094 |
| 3/4   | 102103 | 337095 |
| 1     | 102104 | 337096 |
| 1-1/4 | 102105 | 337097 |
| 1-1/2 | 102106 | 337098 |
| 2     | 102107 | 337099 |
| 3     | 102108 | 337100 |
| 4     | 102109 | 337101 |

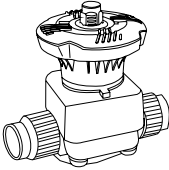
All Threads are BSP tapered unless otherwise noted \*\*\*.  
Systems using plastic threaded components are restricted to 180 psi. The use of PTFE sealing tape is recommended.  
Only the correct Duraplus® cement will provide a compatible joint. All warranties void if other cement used.

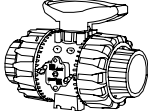
## PRODUCT SELECTION CHART – DURAPLUS

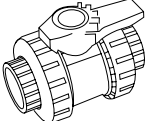
|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| <b>Male Adapter Soc x MPT</b>                                                     |                     |                       |                 |
|  | 1/2                 | 103102                | 337086          |
|                                                                                   | 3/4                 | 103103                | 337087          |
|                                                                                   | 1                   | 103104                | 337088          |
|                                                                                   | 1-1/4               | 103105                | 337089          |
|                                                                                   | 1-1/2               | 103106                | 337090          |
|                                                                                   | 2                   | 103107                | 337091          |
|                                                                                   | 3                   | 103108                | 337092          |
|                                                                                   | 4                   | 103109                | 337093          |

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| <b>Nipple Sp x NPT</b>                                                            |                     |                       |                 |
|  | 1/2                 | 314102                | 337341          |
|                                                                                   | 3/4                 | 314103                | 337342          |
|                                                                                   | 1                   | 314104                | 337343          |
|                                                                                   | 1-1/2               | 314106                | 337345          |
|                                                                                   | 2                   | 314107                | 337346          |
|                                                                                   | 3                   | 314109                | 337347          |
|                                                                                   | 4                   | 314110                | 337348          |

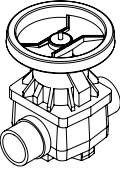
|                                                                                     | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| <b>Plug Male Thread</b>                                                             |                     |                       |                 |
|  | 1/2                 | 155102                | 337264          |
|                                                                                     | 3/4                 | 155103                | 337265          |
|                                                                                     | 1                   | 155104                | 337266          |
|                                                                                     | 1-1/4               | 155105                | 337267          |
|                                                                                     | 1-1/2               | 155106                | 337268          |
|                                                                                     | 2                   | 155107                | 337269          |

|                                                                                     | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| <b>DK Manual Diaphragm Valve – EPDM Diaphragm T/U Soc</b>                           |                     |                       |                 |
|  | 1/2                 | HODVA102              | 337119          |
|                                                                                     | 3/4                 | HODVA103              | 337194          |
|                                                                                     | 1                   | HODVA104              | 337195          |
|                                                                                     | 1-1/4               | HODVA105              | 337196          |
|                                                                                     | 1-1/2               | HODVA106              | 337197          |
|                                                                                     | 2                   | HODVA107              | 337198          |

|                                                                                    | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| <b>VKD True Union Ball Valve – EPDM Seals Soc</b>                                  |                     |                       |                 |
|  | ** 3/8              | 902101                | 337801          |
|                                                                                    | 1/2                 | 902102                | 337802          |
|                                                                                    | 3/4                 | 902103                | 337803          |
|                                                                                    | 1                   | 902104                | 337804          |
|                                                                                    | 1-1/4               | 902105                | 337805          |
|                                                                                    | 1-1/2               | 902106                | 337806          |
|                                                                                    | 2                   | 902107                | 337807          |
|                                                                                    | 3                   | 902109                | 337808          |
|                                                                                    | 4                   | 902110                | 337809          |
| ** Discontinued when stock is depleted                                             |                     |                       |                 |

|                                                                                    | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| <b>VXE True Union Ball Valve – EPDM Seals Soc</b>                                  |                     |                       |                 |
|  | 1/2                 | 902111                | 337810          |
|                                                                                    | 3/4                 | 902112                | 337811          |
|                                                                                    | 1                   | 902113                | 337812          |
|                                                                                    | 1-1/4               | 902114                | 337813          |
|                                                                                    | 1-1/2               | 902115                | 337814          |
|                                                                                    | 2                   | 902116                | 337816          |

|                                                                                     | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| <b>SXE True Union Ball Check Valve – EPDM Soc</b>                                   |                     |                       |                 |
|  | 1/2                 | 837102                | 337501          |
|                                                                                     | 3/4                 | 837103                | 337502          |
|                                                                                     | 1                   | 837104                | 337503          |
|                                                                                     | 1-1/4               | 837105                | 337504          |
|                                                                                     | 1-1/2               | 837106                | 337505          |
|                                                                                     | 2                   | 837107                | 337506          |

|                                                                                     | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
| <b>VM Manual Diaphragm Valve – EPDM Diaphragm Spigot</b>                            |                     |                       |                 |
|  | 3                   | HOVMA209              | 337649          |
|                                                                                     | 4                   | HOVMA210              | 337116          |

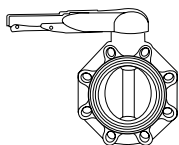
3" & 4" are spigot ended  
Note: Other diaphragm materials available on request

All Threads are BSP tapered unless otherwise noted \*\*\*.  
Systems using plastic threaded components are restricted to 180 psi. The use of PTFE sealing tape is recommended.  
Only the correct Duraplus® cement will provide a compatible joint. All warranties void if other cement used.

## PRODUCT SELECTION CHART – DURAPLUS

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

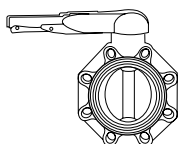
### FK, EPDM Seals – Glass filled PP Body



|   |        |        |
|---|--------|--------|
| 2 | 680107 | 337651 |
| 3 | 680109 | 337652 |
| 4 | 680110 | 337653 |
| 6 | 680112 | 337654 |
| 8 | 680113 | 337655 |

General service (GS) – offered primarily for use with water, but suitable for a wide range of diluted chemicals, swimming pools, irrigation, potable water, etc. The GS valve is also suitable for compressed air and gases.

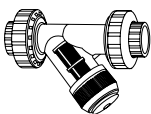
### FK, FKM Seals – Glass filled PP body



|   |        |        |
|---|--------|--------|
| 2 | 681107 | 337656 |
| 3 | 681109 | 337657 |
| 4 | 681110 | 337658 |
| 6 | 681112 | 337659 |
| 8 | 681113 | 337660 |

Chemical duty (CD) – incorporating more chemically resistant components, this valve can be used with a wide range of organic or inorganic chemicals even at elevated temperatures.

### RV Y-Strainer EPDM Seals Soc



|       |        |        |
|-------|--------|--------|
| 1/2   | 846102 | 337739 |
| 3/4   | 846103 | 337740 |
| 1     | 846104 | 337741 |
| 1-1/4 | 846105 | 337742 |
| 1-1/2 | 846106 | 337743 |
| 2     | 846107 | 337744 |

### Transition Coupling ABS Compression x Copper Compression



|       |        |        |
|-------|--------|--------|
| 1/2   | 846102 | 337739 |
| 3/4   | 846103 | 337740 |
| 1     | 846104 | 337741 |
| 1-1/4 | 846105 | 337742 |
| 1-1/2 | 846106 | 337743 |
| 2     | 846107 | 337744 |

| Liquid<br>Quantity | Significant<br>Number | Product<br>Code |
|--------------------|-----------------------|-----------------|
|--------------------|-----------------------|-----------------|

### Solvent Cement



|         |        |        |
|---------|--------|--------|
| 1 pint  | 461392 | 337085 |
| 1 quart | 461393 | 337084 |

### MEK Cleaner



|         |        |        |
|---------|--------|--------|
| 1 pint  | 461397 | 337468 |
| 1 quart | 461398 | 337469 |

### Joints

An indication of the number of joints likely to be made per quart of Duraplus® cement is as follows (it is recommended that MEK Cleaner order equals one-half the quantity of solvent cement required):

| Pipe Size<br>inches | Number<br>of Joints |
|---------------------|---------------------|
| 1/2 – 1             | 290                 |
| 1-1/4 – 2           | 144                 |
| 3                   | 48                  |
| 4                   | 32                  |
| 6                   | 16                  |
| 8                   | 10                  |

All Threads are BSP tapered unless otherwise noted \*\*\*.

Systems using plastic threaded components are restricted to 180 psi. The use of PTFE sealing tape is recommended.

Only the correct Duraplus® cement will provide a compatible joint. All warranties void if other cement used.

Safety and environmental concerns are top priorities on today's industrial agenda. Reduction of emissions, energy conservation and prevention of ground water contamination are some of the areas where regulations are increasingly defining an important line between utilization and exploitation of our planet's resources.

For most common chemical-waste or process applications, IPEX offers systems that are both simple yet highly advanced state-of-the-art technologies.

These systems utilize pre-assembled components that guarantee reliability, ease of installation, fewer joints (up to 40% less) and quick delivery.

Certain environments demand fail-safe systems. No leaks. No risk. The professionals at IPEX understand the complexity of design and installation for demanding double containment applications.

# DOUBLE CONTAINMENT SYSTEMS



|              |    |
|--------------|----|
| Guardian     | 80 |
| Drain-Guard  | 81 |
| Clear-Guard  | 82 |
| CustomGuard  | 83 |
| Encase       | 84 |
| Centra-Guard | 90 |
| IPEX PAL-AT  | 91 |

# GUARDIAN VINYL DOUBLE CONTAINMENT SYSTEMS



For more than 30 years, Guardian systems have been the benchmark in pressure and drainage double containment. Guardian systems are available in tough industrial grade PVC and even tougher high temperature CPVC. For instant leak detection of overhead piping, Clear-Guard clear PVC containment pipe is also available. Guardian's patented Centra-Lock design reduces the required joints by 40 - 60% compared to conventional double containment systems.

## SPECIFICATIONS

### Material Selection

Xirtec PVC and Xirtec CPVC made with Corzan, are the chosen materials for the Guardian systems. IPEX controls not only the design and fabrication of the systems, but also the blending of the PVC resin, the extrusion and injection molding of most components. This unparalleled consistency of quality and resin as well as dimensional compatibility results in superior systems that are unmatched in the industry. Clear-Guard utilizes a fail-safe, fully pressure rated clear PVC that uses a solvent cement jointing method identical to traditional vinyl pressure pipe. This eliminates the need for expensive caulking guns and epoxy adhesive for assembly. Clear-Guard can be used in conjunction with both Schedule 40 and 80 Xirtec PVC or Schedule 80 Xirtec CPVC Primary pipe.

### Design

Guardian and Clear-Guard systems offer a complete selection of pretested modular components which are extremely easy to install. Our Centra-lok™ patented design allows IPEX to offer vinyl systems which average up to 60% fewer overall joints and up to 10% fewer field joints. Since joints are always the most common source of premature failures and leaks, it is easy to realize the immense impact the Centra-lok design has on maintenance, repair and installation costs. The patented ingenuity and simplicity of the Centra-lok design also reduces the purchase cost of IPEX systems, making Guardian and Clear-Guard the industry's most cost-effective vinyl system. As with all our containment systems, the IPEX patented Centra-Guard™ point-of-collection or cable leak detection systems are also available.

### General

Each contained piping system shall consist of Xirtec PVC primary piping system supported within a Xirtec PVC secondary containment housing. Carrier fitting sizes 1/2" through 4" will use Centra-Lok [U.S. Patent No. 5,398,973] molded supports minimizing the number of field (factory assembled) fitting joints. Carrier sizes 6" and larger will use IPEX standard polypropylene fitting discs to support and centralize. Each system shall be provided with suitable drains and vents and be designed to provide complete drainage of both the primary and secondary containment piping. Interstitial supporting devices shall be made from Polypropylene Centra-Guide supports and shall be provided within the secondary containment pipe, and shall be designed to allow continuous drainage in the annular space to the drain points. Drain fittings shall be designed to allow a valve attachment to be made so that the secondary containment compartment may be readily drained and manually checked for leaks.

| Material | Carrier    | Containment |
|----------|------------|-------------|
| PVC      | 1/2" - 12" | 2" - 18"    |
| CPVC     | 1/2" - 12" | 2" - 18"    |

Larger sizes are available on request.

FOR PRICING CONTACT  
YOUR IPEX REPRESENTATIVE.



### DID YOU KNOW?

Made from Xirtec PVC and Xirtec CPVC, these systems offer a complete selection of pre-tested modular components that are considered unmatched in the industry.



# DRAIN-GUARD VINYL DOUBLE CONTAINMENT SYSTEM

## Drain-Guard™

The Drain-Guard™ system is available in tough industrial grade PVC enabling safety and reliability in Drain, Waste and Vent (DWV) applications. The patented Centra-Lok™ design reduces the required joints by 40-60% compared to conventional double containment systems.

| Material | Carrier      | Containment |
|----------|--------------|-------------|
| PVC      | 1-1/2" - 12" | 4" - 16"    |

Larger sizes are available on request.

FOR PRICING CONTACT  
YOUR IPEX REPRESENTATIVE.



### DID YOU KNOW?

Our Drain-Guard system provides safe transport of sanitary or storm drainage in a variety of buildings, including hospitals, museums, historical sites, libraries, art galleries, theaters, data centers, restaurants, and arenas.

## SPECIFICATIONS

### Material Selection

Xirtec PVC is the chosen material for the Drain-Guard system. IPEX controls not only the design and fabrication of the systems, but also the blending of the PVC resin, the extrusion and injection molding of most components. This unparalleled consistency of quality and resin as well as dimensional compatibility results in superior systems that are unmatched in the industry.

### Design

The Drain-Guard system offer a complete selection of pretested modular components which are extremely easy to install. Our Centra-lok™ patented design allows IPEX to offer vinyl systems which average up to 60% fewer overall joints and up to 10% fewer field joints. Since joints are always the most common source of premature failures and leaks, it is easy to realize the immense impact the Centra-lok design has on maintenance, repair and installation costs. The patented ingenuity and simplicity of the Centra-lok design also reduces the purchase cost of IPEX systems. As with all our containment systems, the IPEX patented Centra-Guard™ point-of-collection or cable leak detection systems are also available.

### General

Each contained piping system shall consist of Xirtec PVC primary piping system supported within a Xirtec PVC secondary containment housing. Carrier fitting sizes 1-1/2" through 4" will use Centra-Lok [U.S. Patent No. 5,398,973] molded supports minimizing the number of field (factory assembled) fitting joints. Carrier sizes 6" and larger will use IPEX standard polypropylene fitting discs to support and centralize. Each system shall be provided with suitable drains and vents and be designed to provide complete drainage of both the primary and secondary containment piping. Interstitial supporting devices shall be made from Polypropylene Centra-Guide supports and shall be provided within the secondary containment pipe, and shall be designed

to allow continuous drainage in the annular space to the drain points. Drain fittings shall be designed to allow a valve attachment to be made so that the secondary containment compartment may be readily drained and manually checked for leaks.



# THE CLEAR-GUARD OPTION

## Clear-Guard™

Clear-Guard's fail-safe, fully pressure rated clear containment system allows for easy detection of leaks and eliminates the risks associated with piping aggressive chemicals overhead. Clear-Guard utilizes Guardian's patented Centra-Lok fitting design, which reduces the required joints by 40-60% compared to conventional double containment systems. Fittings are available in clear or opaque containment fittings.

| Material        | Carrier | Containment |
|-----------------|---------|-------------|
| Clear-Guard PVC | -       | 2" - 8"     |

FOR PRICING CONTACT  
YOUR IPEX REPRESENTATIVE.

### SPECIFICATIONS

#### General

Each contained piping system shall consist of Xirtec PVC or Xirtec CPVC primary piping system supported within a Clear-Guard Schedule 40 clear PVC secondary containment housing. Carrier fitting sizes 1/2" through 4" will use Centra-Lok [U.S. Patent No. 5,398,973] molded supports minimizing the number of field (factory assembled) fitting joints. Each system shall be provided with suitable drains and vents and be designed to provide complete drainage of both the primary and secondary containment piping. Interstitial supporting devices shall

be made from Polypropylene Centra-Guide supports and shall be provided within the secondary containment pipe, and shall be designed to allow continuous drainage in the annular space to the drain points. Drain fittings shall be designed to allow a valve attachment to be made so that the secondary containment compartment maybe readily drained and manually checked for leaks.



# THE CUSTOMGUARD OPTION

## CustomGuard®

Custom-designed and fabricated double containment systems including dissimilar material systems, CustomGuard is unlike other systems that try to run everything through the same material. Our specialists will recommend and provide the absolute best system for each individual application, looking not only at chemical compatibility but also at cost (material and installation), life expectancy and turn around time.

For applications with more demanding mechanical, chemical and/or thermal requirements, IPEX has developed our CustomGuard offering. CustomGuard includes a variety of different system choices ranging from Fluoropolymers (e.g. PVDF), Thermosets (FRP); and carbon and stainless steel to hybrid combinations. Applications that require such materials are obviously complex, each demanding expertise and specialized knowledge to design an effective system. The CustomGuard option includes material selection, design, specification support (if needed) and fabrication of pre-assembled spooled pieces to minimize installation time and field joints.



### DID YOU KNOW?

Together with Encase and Guardian, Custom Guard sets IPEX apart from any other double containment system. Custom Guard is available in several different materials. Unlike other manufacturers, IPEX is not constrained by a limited material selection. This variety enables IPEX to provide customers with the best solution for their double containment needs.

| Material              | Carrier    | Containment |
|-----------------------|------------|-------------|
| FRP/Metals/Dissimilar | 1/2" - 20" | 2" - 26"    |

FOR PRICING CONTACT  
YOUR IPEX REPRESENTATIVE.

## SPECIFICATIONS

### Material Selection

Carbon and stainless steel, copper, fiberglass (polyester and vinylester resins), PVDF, PP and dissimilar materials, are all available in CustomGuard® systems. This comprehensive offering, unmatched by any one company, gives IPEX the unique ability to examine just about any double containment requirement and truly offer the best suited, most cost-effective system. While other manufacturers have vested interests in recommending their one and only material/system, IPEX isn't confined by that limitation.

### Design

Drawing on more than 25 years of experience in double containment, IPEX has developed a variety of product-specific designs to maximize efficiency and reduce installation costs. As with all our containment systems, our own patented Centra-Guard™ point-of-collection or cable leak detection systems are also available.

### General

Each contained piping system shall consist of Schedule 40 A-53 Carbon Steel primary piping system supported within a UL FRP secondary containment housing. Each system shall be provided with suitable drains and vents and be designed to provide complete drainage of both the primary and secondary containment piping. Interstitial supporting devices shall be made from Polypropylene Centra-Guide supports and shall be provided within the secondary containment pipe, and shall be designed to allow continuous drainage in the annular space to the drain points. Drain fittings shall be designed to allow a valve attachment to be made so that the secondary containment compartment may be readily drained and manually checked for leaks.

# ENCASE ACID WASTE PP DOUBLE CONTAINMENT

1-1/2" - 12"



At the heart of our patented Encase polypro system is its electrofusion fitting with a groundbreaking heavy-gauge resistance wire molded into the socket. The result is a premier system that offers considerable reduction of installation time and the highest quality bubble-tight joints available.

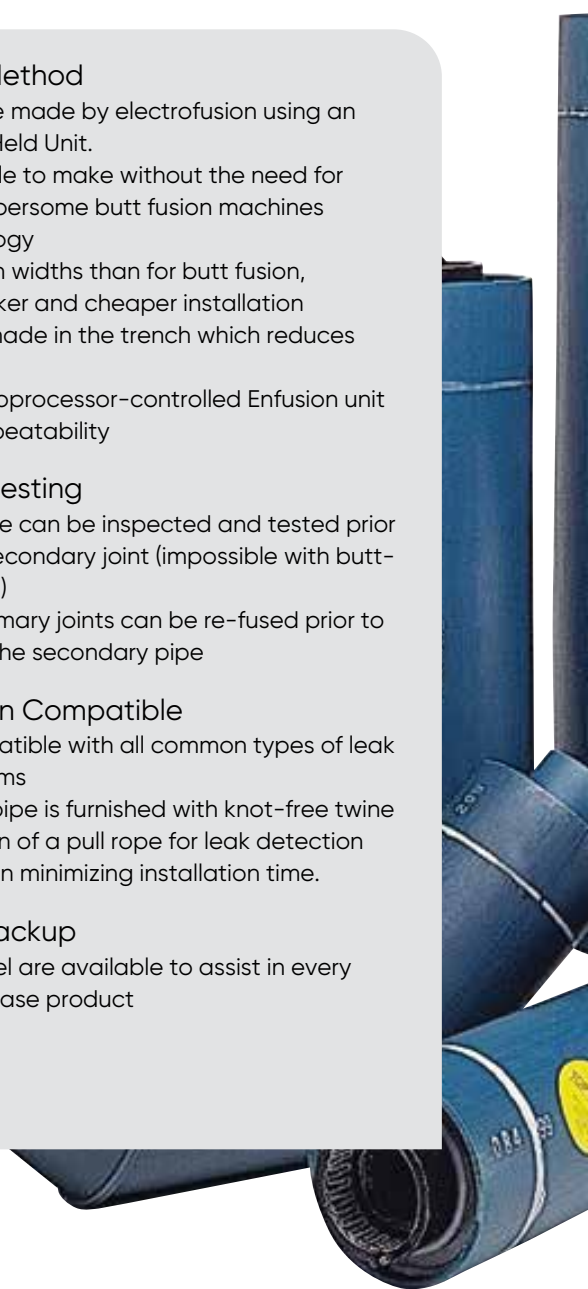


## DID YOU KNOW?

Encase is a polypropylene piping system that uses proven Enfuson joining methods to provide an easy-to-install, safe, reliable and cost-effective method to convey chemical waste under gravity-flow conditions.

## ADVANTAGES

- ① **Polypropylene Material**
  - 30 years of success in chemical waste applications
  - High corrosion resistance
  - Wide temperature range
  - Excellent chemical resistance
- ② **Same Material Inside and Out**
  - Eliminates differential expansion problems
  - Chemical resistance is the same for the entire piping system
  - System integrity is maintained in the event of a primary pipe leak
- ③ **Restrained System**
  - Expansion anchor plates are installed on each fitting to control expansion
  - No expansion loops necessary
- ④ **Full Product Range**
  - 1-1/2" to 8" primary sizes available
  - Manufactured in both non-flame retardant as well as flame retardant material for above ground installation
- ⑤ **Drainage Pattern Fittings**
  - Ensures smooth chemical flow.
  - Enfield piping has been used for chemical waste for over 23 years
- ⑥ **Modular Design**
  - Components are factory fabricated. The only site joining necessary is the fusion of couplings to pipes and fittings
  - Reduces labor costs
- ⑦ **Fast Joining Method**
  - All site joints are made by electrofusion using an Enfuson Hand Held Unit.
  - Quick and simple to make without the need for costly and cumbersome butt fusion machines
  - Proven technology
  - Narrower trench widths than for butt fusion, resulting in quicker and cheaper installation
  - Joints can be made in the trench which reduces installation time
  - Automatic microprocessor-controlled Enfuson unit ensures joint repeatability
- ⑧ **Easy System Testing**
  - The primary pipe can be inspected and tested prior to closing the secondary joint (impossible with butt-welded systems)
  - Any suspect primary joints can be re-fused prior to final closure of the secondary pipe
- ⑨ **Leak Detection Compatible**
  - Encase is compatible with all common types of leak detection systems
  - Upon request, pipe is furnished with knot-free twine to allow insertion of a pull rope for leak detection cable installation minimizing installation time.
- ⑩ **Full Product Backup**
  - Expert personnel are available to assist in every facet of the Encase product



## SHORT FORM SPECIFICATIONS

### GENERAL

Acid waste double containment drain lines shall be Encase, manufactured by IPEX, with no substitutions. Pipe and fittings shall be manufactured from Schedule 40 polypropylene and joined by the Enfuson method.

### MATERIAL

Pipe, fittings, internal pipe supports and anchor plates shall be manufactured from Type 1 homopolymer or Type 2 copolymer polypropylene material as described in ASTM D4101.

### PIPE AND FITTINGS – CONSTRUCTION

All pipe fittings shall be factory assembled and of unitized construction, with the primary and secondary components integrally anchored together to prevent movement of the primary pipe/fitting with in the containment pipe/fitting. All piping components shall be manufactured to Schedule 40 dimensions. The primary pipe shall be adequately supported by means of support plates welded to the primary pipe. Anchor plates shall be provided at each end of the pipe/fitting section to restrain pipe expansion. All anchor plates must be mechanically located in a machined recess on the inside of each secondary pipe/fitting and welded to both the primary and secondary pipe/fitting sections.

### FACTORY WELDED JOINTS

All factory joints shall be made either by butt fusion or Enfuson. Joining by means of fillet welding is expressly forbidden.

### SITE JOINTS

All site joints shall be made using Enfuson couplings, manufactured from polypropylene with a nickel/chrome resistance wire, molded in place. Components with copper wire elements are prohibited. Solvent, butt-welded or fillet-welded site joints are also prohibited.

### INSTALLATION

Installation shall be in accordance with the contract drawings, the manufacturer's recommendations and the local plumbing code. The entire installation shall be installed in proper alignment and free of stress.

### TESTING

The system shall be tested in accordance with the manufacturer's recommendations and the local plumbing code. The primary pipe shall be tested prior to making the secondary joints. If Secondary pipe cannot be hydro-tested, as determined by the engineer or authority having jurisdiction, then the use of nitrogen or air at a MAXIMUM 5 psi (gauge) shall be allowed. It is imperative that a working-pressure regulator be used during the pneumatic test to ensure that over-pressurization of the PVC, beyond 5 psi, cannot occur. The following must also be noted: Air or nitrogen under pressure is compressed and therefore poses a potential hazard. If a failure of the pipe or fitting occurs during such test, the air exits at the failure point and expands rapidly. This increase in velocity can cause the system to fail in a catastrophic mode. Therefore during such air test all personnel involved in the test or present in the test surrounding area must be aware of such a possibility and take all necessary precautions. Precautions include, but are not limited to, taking extreme care not to impact or damage the system in any way. Such procedure is a limited exception to IPEX standard policy which forbids the use of its rigid systems with any compressed gases.

| Material | Carrier     | Containment |
|----------|-------------|-------------|
| PP       | 1-1/2" – 8" | 4" – 12"    |



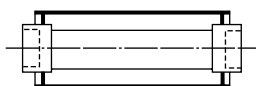
## PRODUCT SELECTION CHART – ENCASE

Dimension inches significant Product  
Primary Secondary Number Code

### Schedule 40 Pipe Soc x Sp (20' Nominal Lengths)

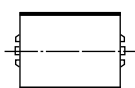


|       |    |        |        |
|-------|----|--------|--------|
| 1-1/2 | 4  | 264150 | 246040 |
| 2     | 4  | 264200 | 246050 |
| 3     | 6  | 266300 | 246060 |
| 4     | 8  | 268400 | 246070 |
| 6     | 10 | 261060 | 246020 |
| 8     | 12 | 261280 | 246030 |



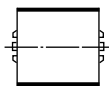
|       |    |        |        |
|-------|----|--------|--------|
| 1-1/2 | 4  | 314150 | 231313 |
| 2     | 4  | 314200 | 231314 |
| 3     | 6  | 316300 | 231315 |
| 4     | 8  | 318400 | 231316 |
| 6     | 10 | 311060 | 231311 |
| 8     | 12 | 311280 | 231312 |

### Secondary Coupling Soc



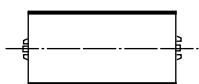
|   |    |        |        |
|---|----|--------|--------|
| - | 4  | 024000 | 231114 |
| - | 6  | 026000 | 231116 |
| - | 6  | 028000 | 231118 |
| - | 10 | 021000 | 231110 |
| - | 12 | 021200 | 231112 |

### Primary Coupling Soc



|       |   |       |        |
|-------|---|-------|--------|
| 1-1/2 | - | L161  | 257141 |
| 2     | - | L162B | 257147 |
| 3     | - | L163B | 257150 |
| 4     | - | L164B | 257154 |
| 6     | - | L166B | 257158 |
| 8     | - | L168B | 257161 |

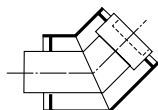
### Secondary Repair Coupling Soc



|   |    |        |        |
|---|----|--------|--------|
| - | 4  | 014000 | 231004 |
| - | 6  | 016000 | 231006 |
| - | 8  | 018000 | 231008 |
| - | 10 | 011000 | 231010 |
| - | 12 | 011200 | 231009 |

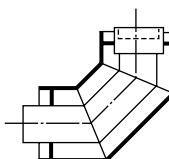
Dimension inches significant Product  
Primary Secondary Number Code

### 1/8 Bend Soc x Sp



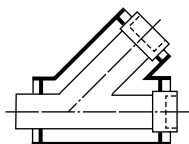
|       |    |        |        |
|-------|----|--------|--------|
| 1-1/2 | 4  | 064150 | 231141 |
| 2     | 4  | 064200 | 231142 |
| 3     | 6  | 066300 | 231143 |
| 4     | 8  | 068400 | 231144 |
| 6     | 10 | 061060 | 231139 |
| 8     | 12 | 061280 | 231140 |

### 1/4 Bend Soc x Sp



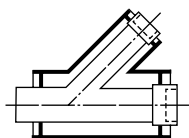
|       |    |        |        |
|-------|----|--------|--------|
| 1-1/2 | 4  | 044150 | 231134 |
| 2     | 4  | 044200 | 231135 |
| 3     | 6  | 046300 | 231136 |
| 4     | 8  | 048400 | 231137 |
| 6     | 10 | 041060 | 231132 |
| 8     | 12 | 041280 | 231133 |

### 45° Wye Soc x Sp x Soc



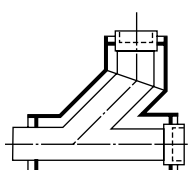
|       |    |        |        |
|-------|----|--------|--------|
| 1-1/2 | 4  | 124150 | 231153 |
| 2     | 4  | 124200 | 231154 |
| 3     | 6  | 126300 | 231155 |
| 4     | 8  | 128400 | 231156 |
| 6     | 10 | 121060 | 231151 |
| 8     | 12 | 121280 | 231152 |

### Reducing Wye Soc x Sp x Soc



|           |         |        |        |
|-----------|---------|--------|--------|
| 2 x 1-1/2 | 4 x 4   | 154215 | 231187 |
| 3 x 1-1/2 | 6 x 4   | 156315 | 231188 |
| 3 x 2     | 6 x 4   | 156320 | 231189 |
| 4 x 2     | 8 x 4   | 158420 | 231190 |
| 4 x 3     | 8 x 6   | 158430 | 231191 |
| 6 x 2     | 10 x 4  | 151062 | 231181 |
| 6 x 3     | 10 x 6  | 151063 | 231182 |
| 6 x 4     | 10 x 8  | 151064 | 231183 |
| 8 x 3     | 12 x 6  | 151283 | 231184 |
| 8 x 4     | 12 x 8  | 151284 | 231185 |
| 8 x 6     | 12 x 10 | 151286 | 231186 |

### Combination Wye & 1/8 Bend Soc x Sp x Soc



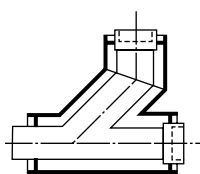
|       |    |        |        |
|-------|----|--------|--------|
| 1-1/2 | 4  | 174150 | 231203 |
| 2     | 4  | 174200 | 231204 |
| 3     | 6  | 176300 | 231205 |
| 4     | 8  | 178400 | 231206 |
| 6     | 10 | 171060 | 231201 |
| 8     | 12 | 171280 | 231202 |

Encase components should only be joined using IPEX Control Units.  
NFRPP is the standard material of construction for all Encase components. FRPP is available on request.

## PRODUCT SELECTION CHART – ENCASE

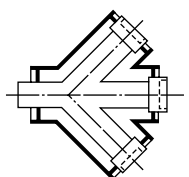
Dimension inches    significant    Product  
Primary    Secondary    Number    Code

### Reducing Combination Wye & 1/8 Bend Soc x Sp



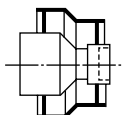
|           |         |        |        |
|-----------|---------|--------|--------|
| 2 x 1-1/2 | 4 x 4   | 204215 | 231227 |
| 3 x 1-1/2 | 6 x 4   | 206315 | 231228 |
| 3 x 2     | 6 x 4   | 206320 | 231229 |
| 4 x 2     | 8 x 4   | 208420 | 231230 |
| 4 x 3     | 8 x 6   | 208430 | 231231 |
| 6 x 2     | 10 x 4  | 201062 | 231221 |
| 6 x 3     | 10 x 6  | 201063 | 231222 |
| 6 x 4     | 10 x 8  | 201064 | 231223 |
| 8 x 3     | 12 x 6  | 201283 | 231224 |
| 8 x 4     | 12 x 8  | 201284 | 231225 |
| 8 x 6     | 12 x 10 | 201286 | 231226 |

### Double Wye Soc x Sp



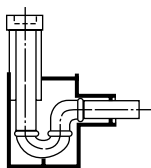
|       |    |        |        |
|-------|----|--------|--------|
| 1-1/2 | 4  | 224150 | 231243 |
| 2     | 4  | 224200 | 231244 |
| 3     | 6  | 226300 | 231245 |
| 4     | 8  | 228400 | 231246 |
| 6     | 10 | 221060 | 231241 |
| 8     | 12 | 221280 | 231242 |

### Reducing Coupling Soc x Sp



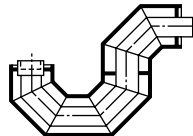
|           |         |        |        |
|-----------|---------|--------|--------|
| 2 x 1-1/2 | 4 x 4   | 344215 | 231347 |
| 3 x 1-1/2 | 6 x 4   | 346315 | 231348 |
| 3 x 2     | 6 x 4   | 346320 | 231349 |
| 4 x 1-1/2 | 8 x 4   | 348415 | 231324 |
| 4 x 2     | 8 x 4   | 348420 | 231350 |
| 4 x 3     | 8 x 6   | 348430 | 231351 |
| 6 x 1-1/2 | 10 x 4  | 341061 | 231352 |
| 6 x 2     | 10 x 4  | 341062 | 231341 |
| 6 x 3     | 10 x 6  | 341063 | 231342 |
| 6 x 4     | 10 x 8  | 341064 | 231343 |
| 8 x 3     | 12 x 6  | 341283 | 231344 |
| 8 x 4     | 12 x 8  | 341284 | 231345 |
| 8 x 6     | 12 x 10 | 341286 | 231346 |

### P-Trap Soc x Sp



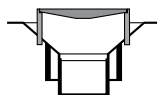
|       |   |        |        |
|-------|---|--------|--------|
| 1-1/2 | 4 | 374150 | 231361 |
| 2     | 4 | 374200 | 231372 |

### P-Trap Soc x Sp



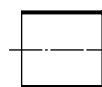
|   |    |        |        |
|---|----|--------|--------|
| 3 | 6  | 376300 | 231373 |
| 4 | 8  | 378400 | 231374 |
| 6 | 10 | 371060 | 231371 |
| 8 | 12 | 371280 | 231375 |

### Floor Drain Sp



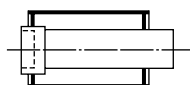
|       |    |        |        |
|-------|----|--------|--------|
| 1-1/2 | 4  | 514150 | 231400 |
| 2     | 4  | 514200 | 231402 |
| 3     | 6  | 516300 | 231403 |
| 4     | 8  | 518400 | 231404 |
| 6     | 10 | 511060 | 231401 |

### End Cap Soc



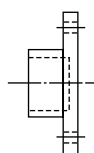
|       |   |        |        |
|-------|---|--------|--------|
| 1-1/2 | - | 641500 | 231462 |
| 2     | - | 642000 | 231463 |
| 3     | - | 643000 | 231464 |
| 4     | - | 644000 | 231465 |
| 6     | - | 646000 | 231466 |
| 8     | - | 648000 | 231467 |
| 10    | - | 641000 | 231832 |
| 12    | - | 641200 | 231833 |

### End Seal Soc x Sp



|       |    |        |        |
|-------|----|--------|--------|
| 1-1/2 | 4  | 664150 | 231483 |
| 2     | 4  | 664200 | 231484 |
| 3     | 6  | 666300 | 231485 |
| 4     | 8  | 668400 | 231486 |
| 6     | 10 | 661060 | 231481 |
| 8     | 12 | 661280 | 231482 |

### Flange - ASA 150 Soc



|       |   |       |        |
|-------|---|-------|--------|
| 1-1/2 | - | L361  | 257361 |
| 2     | - | L362  | 257365 |
| 3     | - | L363  | 257366 |
| 4     | - | L364  | 257367 |
| 6     | - | L366  | 257368 |
| 8     | - | L368  | 257369 |
| 10    | - | L3610 | 257362 |
| 12    | - | L3612 | 257363 |

Encase components should only be joined using IPEX Control Units.  
NFRPP is the standard material of construction for all Encase components. FRPP is available on request

## PRODUCT SELECTION CHART – ENCASE

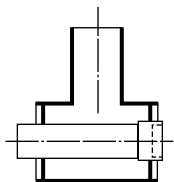
| Dimension inches |           | significant<br>Number | Product<br>Code |
|------------------|-----------|-----------------------|-----------------|
| Primary          | Secondary |                       |                 |

### Blind Flange – ASA 150



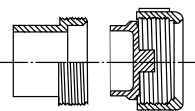
|       |   |        |        |
|-------|---|--------|--------|
| 1-1/2 | - | 621500 | 231453 |
| 2     | - | 622000 | 231454 |
| 3     | - | 623000 | 231455 |
| 4     | - | 624000 | 231456 |
| 6     | - | 626000 | 231457 |
| 8     | - | 628000 | 231458 |
| 10    | - | 621000 | 231451 |
| 12    | - | 621200 | 231452 |

### Access Tee Soc x Sp x Sp



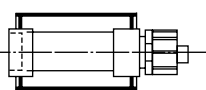
|       |        |        |        |
|-------|--------|--------|--------|
| 1-1/2 | 4      | 544150 | 231425 |
| 2     | 4      | 544200 | 231426 |
| 3     | 6 x 4  | 540643 | 231421 |
| 4     | 8 x 4  | 540844 | 231422 |
| 6     | 10 x 4 | 541046 | 231423 |
| 8     | 12 x 4 | 541248 | 231424 |

### Cleanout Sp



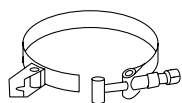
|       |   |      |        |
|-------|---|------|--------|
| 1-1/2 | - | L241 | 257232 |
| 2     | - | L242 | 257235 |
| 3     | - | L243 | 257238 |
| 4     | - | L244 | 257241 |
| 6     | - | L246 | 257244 |

### Cleanout Assembly Soc



|       |    |        |        |
|-------|----|--------|--------|
| 1-1/2 | 4  | 484150 | 231383 |
| 2     | 4  | 484200 | 231384 |
| 3     | 6  | 486300 | 231385 |
| 4     | 8  | 488400 | 231386 |
| 6     | 10 | 481060 | 231381 |
| 8     | 12 | 481280 | 231382 |

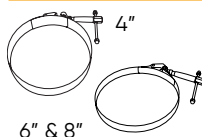
### Primary Hub Clamp c/w Brass Nut



|       |   |         |        |
|-------|---|---------|--------|
| 1-1/2 | - | L26101P | 231741 |
| 2     | - | L26102P | 231742 |
| 3     | - | 523000  | 231411 |
| 4     | - | L26104P | 231743 |
| 6     | - | L26106P | 231744 |
| 8     | - | L26108P | 231745 |

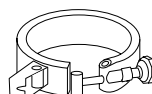
| Dimension inches |           | significant<br>Number | Product<br>Code |
|------------------|-----------|-----------------------|-----------------|
| Primary          | Secondary |                       |                 |

### Secondary Hub Clamp



|         |   |   |        |        |
|---------|---|---|--------|--------|
| 4"      | - | 4 | L26104 | 257258 |
| -       | - | 6 | 606000 | 231444 |
| 6" & 8" | - | 8 | 608000 | 231445 |

### Secondary Hub Clamp



|   |    |        |        |
|---|----|--------|--------|
| - | 10 | 601000 | 231441 |
| - | 12 | 601200 | 231442 |

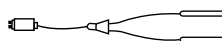
### IPEX Control Unit (Current Style)



|   |   |          |        |
|---|---|----------|--------|
| - | - | EHHL2600 | 257279 |
|---|---|----------|--------|

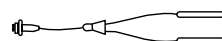
Kit includes hub clamps, 1-1/2" thru 6", connector cable & 5' link cable.

### Connector Cable Old Style Machine – Complete Kit



|   |   |       |        |
|---|---|-------|--------|
| - | - | 50802 | 231302 |
|---|---|-------|--------|

### Connector Cable Current Style Machine



|   |   |       |        |
|---|---|-------|--------|
| - | - | 50801 | 231301 |
|---|---|-------|--------|

### Link Cable c/w EZ Connector



|           |    |        |        |
|-----------|----|--------|--------|
| 2 ft. EZ  | 4  | L26260 | 257268 |
| 5 ft. EZ  | 6  | L26261 | 257269 |
| 10 ft. EZ | 8  | L26262 | 257270 |
| 15 ft. EZ | 10 | L26263 | 257271 |

### Encase Link Cable c/w Link Lead



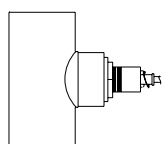
|       |   |       |        |
|-------|---|-------|--------|
| 5 ft. | - | 50805 | 257124 |
|-------|---|-------|--------|

Encase components should only be joined using IPEX Control Units.  
NFRPP is the standard material of construction for all Encase components. FRPP is available on request.

## PRODUCT SELECTION CHART – ENCASE

| Dimension inches |           | significant<br>Number | Product<br>Code |
|------------------|-----------|-----------------------|-----------------|
| Primary          | Secondary |                       |                 |

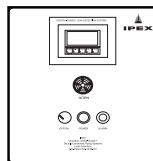
### Above Ground Leak Detection Station with Sensor



|    |   |        |        |
|----|---|--------|--------|
| 4  | - | 231834 | 231834 |
| 6  | - | 231835 | 231835 |
| 8  | - | 231836 | 231836 |
| 10 | - | 231837 | 231837 |

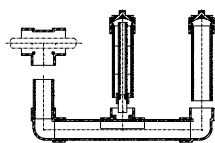
| Dimension inches |           | significant<br>Number | Product<br>Code |
|------------------|-----------|-----------------------|-----------------|
| Primary          | Secondary |                       |                 |

### 8 Zone Micro Processor Panel



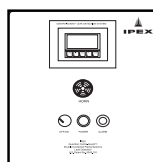
|   |   |        |        |
|---|---|--------|--------|
| - | - | 631188 | 631248 |
|---|---|--------|--------|

### Below Ground Leak Detection Station with Sensor



|    |   |        |        |
|----|---|--------|--------|
| 4  | - | 231838 | 231838 |
| 6  | - | 231839 | 231839 |
| 8  | - | 231840 | 231840 |
| 10 | - | 231841 | 231841 |
| 12 | - | 231842 | 231842 |

### 16 Zone Micro Processor Panel



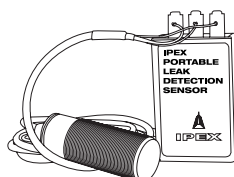
|   |   |   |        |
|---|---|---|--------|
| - | - | - | 631249 |
|---|---|---|--------|

### Leak Detection Jumper Cable



|   |   |   |        |
|---|---|---|--------|
| - | - | - | 631186 |
|---|---|---|--------|

### Portable Leak Detection Sensor



|   |   |   |        |
|---|---|---|--------|
| - | - | - | 631253 |
|---|---|---|--------|

Encase components should only be joined using IPEX Control Units.  
NFRPP is the standard material of construction for all Encase components. FRPP is available on request

# ELECTRONIC LOW POINT LEAK DETECTION

## Centra-Guard™

In many situations double containment protection by itself may not be enough. In these applications it is critical that a leak is immediately detected and located.

Although many different leak detection systems are available on the market today, only the Centra-Guard™ patented electronic low point leak-detection system offers a combination of advanced features:

### KEY FEATURES

- No cables to string during installation
- No false alarms due to condensation
- Non-intrusive, re-usable capacitive proximity sensors with sensitivity adjustment
- NEMA 4X enclosed microprocessor control panel with audible and visual alarms
- LCD screen continuously reads system status and reports alarms
- HMI push buttons allow for history, status, and test screens to be accessed
- Multi-level password protection
- Standard output relay for direct communication with plant control systems

Centra-Guard electronic low point leak detection offers versatility, customization, and lower material, installation and maintenance costs when compared to cable leak detection.

### APPLICATIONS

- Above-ground suspended pipeline applications, with sensors housed in a saddle-type clamp, as well as underground pipeline systems with drip leg assembly.

### OVERVIEW

The basic concept behind electronic low point leak detection is that a Double contained piping system is designed with leak detection zones. Leak detection zones are essentially a drip leg in the containment piping. Each zone is monitored by a sensor that raises an alarm to warn operators that a leak has been detected. The IPEX Centra-Guard leak detection system will identify the type of alarm (i.e. leak or cable break), zone, and time and record it in non-volatile memory as well as relay the signal to a plant control system. This allows operators to quickly rectify the situation. Centra-Guard is the only non-intrusive leak detection system available on the market today. The sensor never comes in contact with the liquid media.



FOR PRICING CONTACT  
YOUR IPEX REPRESENTATIVE.

# CABLE LEAK DETECTION

## IPEX PAL-AT

IPEX PAL-AT cable leak detection is a microprocessor based system that offers continuous cable leak detection. The system is fully automated and ideal for buried double containment piping applications that require exact leak location.

The IPEX PAL-AT continuous cable leak detection system compliments our Centra-Guard electronic low point leak detection system and adds extra versatility to our extensive double containment offering.

### KEY FEATURES

- Coaxial Sensing Cable with adjustable sensitivity
- Microprocessor based monitoring unit capable of monitoring 2000, 5000, or 7500ft of cable per sensor string
- Panel will identify the type of alarm (leak/break/short/probe) as well as location within 5 feet of the source
- Backlit LCD providing constant system data
- Continuous monitoring even after a leak is detected

### APPLICATIONS

- Underground pipeline systems that require exact leak location detection.

### OVERVIEW

The basic concept behind cable leak detection is that a monitor detects any changes in the electrical properties of the cable caused by contact with a liquid. The cable is pulled through the interstitial space of the containment piping. The monitor then raises an alarm in the plant to warn operators that a leak has been detected. The IPEX PAL-AT detection system will pinpoint the leak and report its location. This allows operators to quickly rectify the situation.

FOR PRICING CONTACT  
YOUR IPEX REPRESENTATIVE.



## CHOOSE FROM A WIDE RANGE OF SYSTEM OPTIONS

IPEX offers an extremely wide array of materials and sizes. You can specify virtually any piping material to create a system that contains whatever corrosive or hazardous substance your application handles. If you don't see what you need listed here, call us! Other systems or sizes may be available, or we may have suggestions for substitutions.

| CARRIER          | SYSTEM<br>Containment | CARRIER SIZE<br>inches |
|------------------|-----------------------|------------------------|
| PVC 80           | PVC 80                | 1/2 - 12               |
| PVC 80           | PVC 40                | 1/2 - 12               |
| PVC 40           | PVC 40                | 1/2 - 12               |
| PVC DWV          | PVC DWV               | 1-1/2 - 12             |
| PVC 80           | CS SCH 10             | 1/2 - 12               |
| CPVC 80          | CPVC 80               | 1/2 - 8                |
| CPVC 80          | PVC 80                | 1/2 - 12               |
| CPVC 80          | PVC 40                | 1/2 - 12               |
| CPVC 80          | CS SCH 10             | 1/2 - 12               |
| NAT PP 80        | PVC 80                | 1/2 - 2                |
| NAT PP 80        | PVC 40                | 1/2 - 2                |
| RED PVDF 80      | CPVC 80               | 1/2 - 2                |
| RED PVDF 80      | PVC 80                | 1/2 - 2                |
| NAT PVDF 80      | PVC 80                | 1/2 - 2                |
| ENFUSION PP      | PVC DWV               | 1/2 - 6                |
| S40 A53B CS BW   | PVC 80                | 1/2 - 8                |
| S40 A106B CS BW  | PVC 80                | 1/2 - 8                |
| S80 A106B CS SW  | PVC 80                | 1/2 - 8                |
| S40 A53B CS BW   | FRP                   | 1/2 - 12               |
| S40 A106B CS BW  | FRP                   | 1/2 - 12               |
| S80 A106B CS SW  | FRP                   | 1/2 - 2                |
| S40 A53B THRD    | PVC 40                | 1/2 - 2                |
| S40 A106 SMLS BW | PVC 40                | 1/2 - 8                |
| S40 A53 BLK BS   | PVC 40                | 1/2 - 8                |
| S80 A53 BLK SW   | PVC 80                | 1/2 - 2                |
| S80 A53 BLK SW   | FRP                   | 1/2 - 2                |
| S40 A53 BLK SW   | S40 A53 BLK           | 1/2 - 2                |
| S40 A106B CS SW  | PVC 80                | 1/2 - 8                |
| S80 A53B CS BW   | PVC 80                | 1/2 - 8                |
| S80 A106B CS SW  | PVC 80                | 1/2 - 8                |
| S40 A106 CS SW   | FRP                   | 1/2 - 2                |
| S80 A53B CS BW   | FRP                   | 1/2 - 12               |
| S80 A106B CS BW  | FRP                   | 1/2 - 2                |
| S40 A53B THRD    | FRP                   | 1/2 - 2                |
| S40 A53 BLK CS   | S40 A53 BLK CS        | 1/2 - 12               |
| S40 A53 BLK SW   | PVC 40                | 1/2 - 2                |

| CARRIER         | SYSTEM<br>Containment | CARRIER SIZE<br>inches |
|-----------------|-----------------------|------------------------|
| S40 A53 BLK SW  | FRP                   | 1/2 - 2                |
| S40 A53 BLK SW  | PVC 80                | 1/2 - 2                |
| S80 A53B CS SW  | PVC 80                | 1/2 - 2                |
| S10 T304L SS BW | PVC 80                | 1/2 - 8                |
| S10 T304L SS BW | PVC 40                | 1/2 - 8                |
| S10 T304L SS BW | CPVC 80               | 1/2 - 8                |
| S10 T304L SS BW | FRP                   | 1/2 - 12               |
| S10 T304L SS BW | S10 T304L             | 1/2 - 12               |
| S40 T316L SS BW | PVC 80                | 1/2 - 8                |
| S40 T316L SS BW | CPVC 80               | 1/2 - 8                |
| S40 T316L SS BW | FRP                   | 1/2 - 12               |
| S40 T304L SS SW | PVC 80                | 1/2 - 2                |
| S40 T304L SS SW | PVC 40                | 1/2 - 2                |
| S40 T304L SS SW | CPVC 80               | 1/2 - 2                |
| S40 T304L SS SW | FRP                   | 1/2 - 2                |
| S10 T316L SS SW | PVC 80                | 1/2 - 2                |
| S10 T316L SS SW | CPVC 80               | 1/2 - 2                |
| S10 T316L SS SW | FRP                   | 1/2 - 2                |
| S40 T304L SS BW | PVC 80                | 1/2 - 8                |
| S40 T304L SS BW | PVC 80                | 1/2 - 8                |
| S40 T304L SS BW | CPVC 80               | 1/2 - 8                |
| S40 T304L SS BW | FRP                   | 1/2 - 12               |
| S10 T316L SS BW | PVC 80                | 1/2 - 8                |
| S10 T316L SS BW | CPVC 80               | 1/2 - 8                |
| S10 T316L SS BW | FRP                   | 1/2 - 12               |
| S10 T304L SS SW | PVC 80                | 1/2 - 2                |
| S10 T304L SS SW | PVC 40                | 1/2 - 2                |
| S10 T304L SS SW | CPVC 80               | 1/2 - 2                |
| S10 T304L SS SW | FRP                   | 1/2 - 2                |
| S10 T304L SS SW | S10 T304L             | 1/2 - 2                |
| S40 T316L SS SW | PVC 80                | 1/2 - 2                |
| S40 T316L SS SW | CPVC 80               | 1/2 - 2                |
| S40 T316L SS SW | FRP                   | 1/2 - 2                |
| HARD COPPER     | PVC 40                | 1/2 - 4                |
| HARD COPPER     | 3000 FRP              | 1/2 - 4                |

For more than 35 years, IPEX has been supplying industrial, commercial, school and hospital laboratories throughout North America with high-quality, easy-to-install acid waste systems designed to handle a wide variety of chemicals and pH levels. Our comprehensive line of dedicated acid waste conveyance, neutralization and monitoring systems offers innovative features not available with any other system. In fact, IPEX Enfield™ electrofusion and Labline® mechanical joint systems have long been recognized as the industry benchmark for performance and reliability, and are among the most widely specified systems in North America.

Also available through IPEX is the next generation, E-84 compliant Plenumline™ system, made of flame retardant PVDF for extremely demanding applications such as return-air plenums. The complete range of IPEX integrated total solutions for acid waste applications also includes our Neutratanke® neutralization tanks, Neutrasystem2™ pH monitoring system, Floway™ drains, and Encase™ double containment systems.

# ACID WASTE PIPING SYSTEMS



Enfield Electrofusion Acid Waste  
Systems FRPP & NFRPP

94

Labline Mechanical-Joint Acid Waste  
System NFRPP

104

Floway Polypropylene Floor Drains

110

Plenumline Mechanical Joint Acid  
Waste System FR-PVDF

112

Neutratanke Neutralization Tank  
HDPE & PP

118

Neutrasystem 2™ pH Monitoring System

123

# ENFIELD ELECTROFUSION ACID WASTE SYSTEMS

1-1/2" - 12"



Enfield electrofusion fittings are molded with an integral resistance wire in the socket, with jointing completed by energizing the resistance wire via a microprocessor controlled Enfution Control Unit. The result of these innovations is an unparalleled level of joint reliability and repeatability. Enfield has proven over time that it produces the optimum level of performance where it matters most - at the joint interface. It offers unprecedented control of jointing - controlled fit, controlled temperature and controlled time.

## ADVANTAGES

- 1 Positive reliable joints made in 2 minutes - installation time is reduced
- 2 Several joints can be made at one time
- 3 Proven reliability for over a decade
- 4 Enfield is manufactured from polypropylene which has an operating temperature range from -10°F to 180°F. With occasional exposure to 212°F; this allows systems to be flushed with boiling water
- 5 Heavy gauge resistance wire molded into sockets - no loose components, controlled fusion of joints
- 6 Easy connecting heavy duty socket terminal posts complete with protection ears
- 7 Microprocessor controlled Enfution unit ensures secure joints and joint repeatability
- 8 Matched system - high quality pipe and fittings are matched to give ease of installation and long term reliability
- 9 Easy to install - even in difficult areas
- 10 Installed cost 50% less than glass
- 11 Breakage factor eliminated
- 12 Maintenance free

## STANDARDS



NSF-approved  
IAPMO-listed & CSA-certified  
Meets ASTM F1412, D4101 and CSA B181.3



## DID YOU KNOW?

Enfield™ offers polypro fittings, constructed with a heavy gauge resistance wire that is integrally molded into the socket. These are considered to be the premier fittings on the market.



## SHORT FORM SPECIFICATIONS

### GENERAL

Acid waste drain and vent system, as shown on drawings, shall be NSF listed and CSA certified Schedule 40, polypropylene as manufactured by IPEX. System to include pipe supplied in 10 ft. lengths (or 20 ft lengths if NFRPP is specified), fittings, traps and neutralization tanks from the same manufacturer. It shall also include recommended adapters to connect to other piping materials, where applicable.

### MATERIAL

Pipe shall be made from NSF listed Type 110 or 210, flame retardant polypropylene conforming to ASTM D4101, with a maximum average flame spread of zero seconds and a maximum extent of burning of 13 mm, in accordance with ASTM D635. Matched fittings shall be made from NSF listed flame retardant polypropylene with average maximum burn time of 80 seconds and maximum extent of burning of 20 mm in accordance with ASTM D635.

If NFRPP pipe is specified, it shall be made from NSF 14 listed and CSA certified Schedule 40 PP as manufactured by IPEX. Pipe shall comply with ASTM F1412 and material used shall comply with the material requirements of ASTM D4101.

### FITTINGS

Fittings shall be NSF listed and have an integral heavy gauge, nickel/chrome electrical resistance wire molded in place in the fitting body. Copper wire elements, loose wire or other loose joint components, are prohibited. Fittings shall be Enfield or approved equal.

### JOINTS

Connections between polypropylene pipe and fittings shall be made using the Enfield joint. All joints shall have a fusion cycle controlled by a microprocessor operated, waterproof, Enfusion control unit equipped with input and output voltage sensors, ambient temperature sensors to automatically adjust fusion time and audible alarms to indicate cycle interruptions and completion of the joining process. The unit shall be capable of fusing multiple joints and with a minimum capability of eight 2" joints with the same fusion time as a single joint.

Connections between polypropylene and other piping materials shall be made using Enfield adapters according to manufacturer's (IPEX) recommendations. All electrofusion machines shall be third party certified by UL and CSA.

### INSTALLATION AND TESTING

Installation and testing shall be in accordance with the contract drawings, the manufacturer's recommendations and the local plumbing codes. Testing with compressed air is prohibited. The entire system shall be installed free of stress and in proper alignment. Horizontal supports shall provide a wide bearing area and be free of burrs or sharp edges. Support spacings shall be in accordance with the manufacturer's recommendations and local plumbing codes. Vertical piping shall have riser clamps at each floor. Pipe supports should be installed so that horizontal piping is in uniform alignment and with a uniform slope of at least 1/8".



## PRODUCT SELECTION CHART – ENFIELD

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

### AW Polypropylene Pipe Flame Retardant Sch 40



|       |      |        |
|-------|------|--------|
| 1-1/2 | W001 | 146001 |
| 2     | W002 | 146002 |
| 3     | W003 | 146003 |
| 4     | W004 | 146004 |
| 6     | W006 | 146006 |
| 8     | W008 | 146008 |
| 10    | W010 | 146010 |
| 12    | W012 | 146012 |

10' Lengths

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

### AW Polypropylene Pipe Flame Retardant Sch 40



|       |         |        |
|-------|---------|--------|
| 1-1/2 | W001-20 | 146031 |
| 2     | W002-20 | 146032 |
| 3     | W003-20 | 146033 |
| 4     | W004-20 | 146034 |
| 6     | W006-20 | 146036 |
| 8     | W008-20 | 146038 |
| 10    | W010-20 | 146040 |

20' Lengths

Note: 20' Schedule 40 FR pipe is a non-stock item available upon special request.

### AW Polypropylene Pipe Flame Retardant Sch 80



|       |       |        |
|-------|-------|--------|
| 1-1/2 | WT001 | 146013 |
| 2     | WT002 | 146014 |
| 3     | WT003 | 146015 |
| 4     | WT004 | 146016 |

10' Lengths

### AW Polypropylene Pipe Flame Retardant Sch 80



|   |          |        |
|---|----------|--------|
| 3 | WT003-20 | 146024 |
|---|----------|--------|

20' Lengths

Note: 20' Schedule 80 FR pipe is a non-stock item available upon special request.

### AW Polypropylene Pipe Black Non-Flame Retardant Sch 40



|       |      |        |
|-------|------|--------|
| 1-1/2 | WB01 | 146101 |
| 2     | WB02 | 146102 |
| 3     | WB03 | 146103 |
| 4     | WB04 | 146104 |
| 6     | WB06 | 146106 |
| 8     | WB08 | 146108 |
| 10    | WB10 | 146110 |
| 12    | WB12 | 146212 |

20' Lengths

### AW Polypropylene Pipe Black Non-Flame Retardant Sch 80



|       |        |        |
|-------|--------|--------|
| 1-1/2 | WB1106 | 146201 |
| 2     | WB1107 | 146202 |
| 3     | WB1108 | 146203 |
| 4     | WB1109 | 146204 |
| 6     | WB1110 | 146206 |
| 8     | WB1111 | 146208 |
| 10    | WB1112 | 146210 |
| 12    | WB1113 | 146211 |

20' Lengths

### Black Non-Flame Retardant Enfield Coupling



|    |        |        |
|----|--------|--------|
| 2  | L162B  | 257147 |
| 3  | L163B  | 257150 |
| 4  | L164B  | 257154 |
| 6  | L166B  | 257158 |
| 8  | L168B  | 257161 |
| 10 | L1610B | 257143 |
| 12 | L1612B | 257145 |

### Coupling EJ



|       |       |        |
|-------|-------|--------|
| 1-1/2 | L161  | 257141 |
| 2     | L162  | 257146 |
| 3     | L163  | 257149 |
| 4     | L164  | 257153 |
| 6     | L166  | 257157 |
| 8     | L168  | 257160 |
| 10    | L1610 | 257142 |
| 12    | L1612 | 257144 |

### Fabricated Repair Coupling EJ



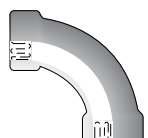
|   |       |        |
|---|-------|--------|
| 2 | L162R | 257148 |
| 3 | L163R | 257152 |
| 4 | L164R | 257156 |
| 6 | L166R | 257159 |
| 8 | L168R | 257295 |

IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

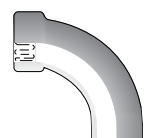
## PRODUCT SELECTION CHART – ENFIELD

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

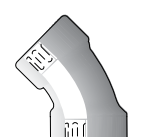
### 90° Sweep EJ

|                                                                                   |       |      |        |
|-----------------------------------------------------------------------------------|-------|------|--------|
|  | 1-1/2 | L171 | 257171 |
|                                                                                   | 2     | L172 | 257172 |
|                                                                                   | 3     | L173 | 257173 |
|                                                                                   | 4     | L174 | 257174 |
|                                                                                   | 6     | L176 | 257175 |

### 90° Sweep EJ x Sp

|                                                                                   |       |      |        |
|-----------------------------------------------------------------------------------|-------|------|--------|
|  | 1-1/2 | L281 | 257281 |
|                                                                                   | 2     | L282 | 257282 |
|                                                                                   | 3     | L283 | 257283 |
|                                                                                   | 4     | L284 | 257284 |
|                                                                                   | 6     | L286 | 257286 |

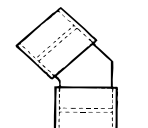
### 1/8 Bend EJ

|                                                                                    |       |      |        |
|------------------------------------------------------------------------------------|-------|------|--------|
|  | 1-1/2 | L191 | 257191 |
|                                                                                    | 2     | L192 | 257194 |
|                                                                                    | 3     | L193 | 257195 |
|                                                                                    | 4     | L194 | 257196 |
|                                                                                    | 6     | L196 | 257197 |

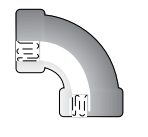
### 1/8 Bend EJ x Sp

|                                                                                     |       |      |        |
|-------------------------------------------------------------------------------------|-------|------|--------|
|  | 1-1/2 | L211 | 257221 |
|                                                                                     | 2     | L212 | 257222 |
|                                                                                     | 3     | L213 | 257223 |
|                                                                                     | 4     | L214 | 257224 |
|                                                                                     | 6     | L216 | 257225 |

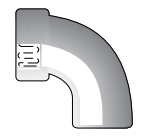
### Fabricated 1/8 Bend EJ

|                                                                                     |    |       |        |
|-------------------------------------------------------------------------------------|----|-------|--------|
|  | 8  | L198  | 257198 |
|                                                                                     | 10 | L1910 | 257192 |
|                                                                                     | 12 | L1912 | 257193 |

### 1/4 Bend (90°) EJ

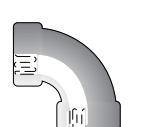
|                                                                                     |       |      |        |
|-------------------------------------------------------------------------------------|-------|------|--------|
|  | 1-1/2 | L181 | 257181 |
|                                                                                     | 2     | L182 | 257184 |
|                                                                                     | 3     | L183 | 257031 |
|                                                                                     | 4     | L184 | 257032 |
|                                                                                     | 6     | L186 | 257033 |

### 1/4 Bend (90°) EJ x Sp

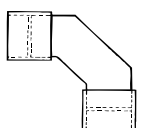
|                                                                                     |       |      |        |
|-------------------------------------------------------------------------------------|-------|------|--------|
|  | 1-1/2 | L291 | 257291 |
|                                                                                     | 2     | L292 | 257293 |
|                                                                                     | 3     | L293 | 257034 |
|                                                                                     | 4     | L294 | 257035 |
|                                                                                     | 6     | L296 | 257036 |

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

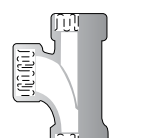
### 1/4 Bend EJ x LN

|                                                                                    |       |        |        |
|------------------------------------------------------------------------------------|-------|--------|--------|
|  | 1-1/2 | L291 A | 257292 |
|------------------------------------------------------------------------------------|-------|--------|--------|

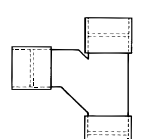
### Fabricated 1/4 Bend (90°) EJ

|                                                                                    |    |       |        |
|------------------------------------------------------------------------------------|----|-------|--------|
|  | 8  | L188  | 257185 |
|                                                                                    | 10 | L1810 | 257182 |
|                                                                                    | 12 | L1812 | 257183 |

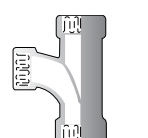
### Sanitary Tee EJ

|                                                                                    |       |      |        |
|------------------------------------------------------------------------------------|-------|------|--------|
|  | 1-1/2 | L201 | 257201 |
|                                                                                    | 2     | L202 | 257206 |
|                                                                                    | 3     | L203 | 257208 |
|                                                                                    | 4     | L204 | 257211 |

### Fabricated Sanitary Tee EJ

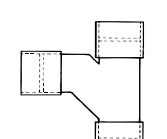
|                                                                                     |    |       |        |
|-------------------------------------------------------------------------------------|----|-------|--------|
|  | 6  | L206  | 257214 |
|                                                                                     | 8  | L208  | 257217 |
|                                                                                     | 10 | L2010 | 257202 |
|                                                                                     | 12 | L2012 | 257205 |

### Reducing Sanitary Tee EJ

|                                                                                      |             |       |        |
|--------------------------------------------------------------------------------------|-------------|-------|--------|
|  | 2 x 1-1/2   | L2021 | 257207 |
|                                                                                      | * 3 x 1-1/2 | L2031 | 257209 |
|                                                                                      | * 3 x 2     | L2032 | 257210 |
|                                                                                      | 4 x 2       | L2042 | 257212 |
|                                                                                      | * 4 x 3     | L2043 | 257213 |

\* Assembled

### Fabricated Reducing Sanitary Tee EJ

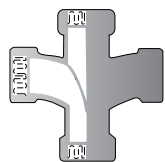
|                                                                                      |         |         |        |
|--------------------------------------------------------------------------------------|---------|---------|--------|
|  | 6 x 2   | L2062   | 257215 |
|                                                                                      | 6 x 4   | L2064   | 257216 |
|                                                                                      | 8 x 3   | L2083   | 257163 |
|                                                                                      | 8 x 4   | L2084   | 257218 |
|                                                                                      | 8 x 6   | L2086   | 257219 |
|                                                                                      | 10 x 3  | L20103  | 257164 |
|                                                                                      | 10 x 4  | L20104  | 257203 |
|                                                                                      | 10 x 6  | L20106  | 257204 |
|                                                                                      | 10 x 8  | L20108  | 257165 |
|                                                                                      | 12 x 4  | L20124  | 257166 |
|                                                                                      | 12 x 6  | L20126  | 257167 |
|                                                                                      | 12 x 8  | L20128  | 257168 |
|                                                                                      | 12 x 10 | L201210 | 257169 |

IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

## PRODUCT SELECTION CHART – ENFIELD

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

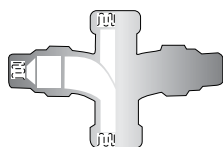
### Double Sanitary Tee EJ



|         |      |        |
|---------|------|--------|
| † 1-1/2 | L351 | 257351 |
| 2       | L352 | 257352 |
| 3       | L353 | 257354 |
| 4       | L354 | 257357 |

† Fabricated

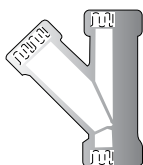
### Reducing Double Sanitary Tee EJ



|             |       |        |
|-------------|-------|--------|
| * 2 x 1-1/2 | L3521 | 257353 |
| * 3 x 1-1/2 | L3531 | 257355 |
| 4 x 2       | L3542 | 257358 |
| * 4 x 3     | L3543 | 257359 |

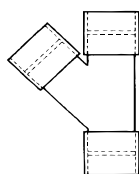
\* Assembled

### 45° Wye EJ



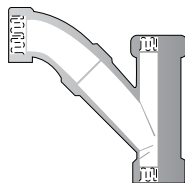
|       |      |        |
|-------|------|--------|
| 1-1/2 | L371 | 257371 |
| 2     | L372 | 257390 |
| 3     | L373 | 257394 |
| 4     | L374 | 257400 |
| 6     | L376 | 257406 |

### Fabricated Reducing Wye EJ



|         |         |        |
|---------|---------|--------|
| 8 x 2   | L3782   | 257427 |
| 8 x 3   | L3783   | 257415 |
| 8 x 4   | L3784   | 257416 |
| 8 x 6   | L3786   | 257421 |
| 10 x 3  | L37103  | 257428 |
| 10 x 4  | L37104  | 257373 |
| 10 x 6  | L37106  | 257379 |
| 10 x 8  | L37108  | 257380 |
| 12 x 3  | L37123  | 257429 |
| 12 x 4  | L37124  | 257383 |
| 12 x 6  | L37126  | 257387 |
| 12 x 8  | L37128  | 257388 |
| 12 x 10 | L371210 | 257430 |

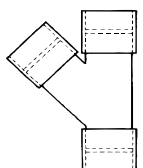
### Combination Wye & 1/8 Bend (Long Turn Wye) EJ



|         |       |        |
|---------|-------|--------|
| * 1-1/2 | L3715 | 257389 |
| * 2     | L3725 | 257392 |
| * 3     | L3735 | 257397 |
| * 4     | L3745 | 257403 |
| * 6     | L3765 | 257410 |

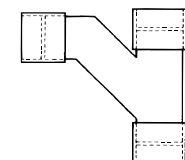
\* Assembled

### Fabricated 45° Wye EJ



|    |       |        |
|----|-------|--------|
| 8  | L378  | 257414 |
| 10 | L3710 | 257372 |
| 12 | L3712 | 257381 |

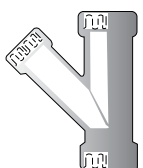
### Fabricated Combination Wye & 1/8 Bend EJ



|      |        |        |
|------|--------|--------|
| * 8  | L3785  | 257417 |
| * 10 | L37105 | 257374 |
| * 12 | L37125 | 257384 |

\* Assembled

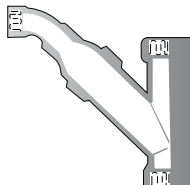
### Reducing Wye EJ



|             |       |        |
|-------------|-------|--------|
| 2 x 1-1/2   | L3721 | 257391 |
| * 3 x 1-1/2 | L3731 | 257395 |
| 3 x 2       | L3732 | 257396 |
| * 4 x 1-1/2 | L3741 | 257425 |
| 4 x 2       | L3742 | 257401 |
| * 4 x 3     | L3743 | 257402 |
| * 6 x 1-1/2 | L3761 | 257426 |
| * 6 x 2     | L3762 | 257407 |
| * 6 x 3     | L3763 | 257408 |
| 6 x 4       | L3764 | 257409 |

\* Assembled

### Reducing Combination Wye & 1/8 Bend EJ



|             |        |        |
|-------------|--------|--------|
| * 2 x 1-1/2 | L37251 | 257393 |
| * 3 x 1-1/2 | L37351 | 257398 |
| * 3 x 2     | L37352 | 257399 |
| * 4 x 1-1/2 | L37451 | 257431 |
| * 4 x 2     | L37452 | 257404 |
| * 4 x 3     | L37453 | 257405 |
| * 6 x 1-1/2 | L37651 | 257432 |
| * 6 x 2     | L37652 | 257411 |
| * 6 x 3     | L37653 | 257412 |
| * 6 x 4     | L37654 | 257413 |

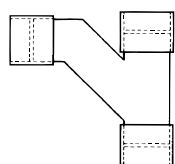
\* Assembled

IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

## PRODUCT SELECTION CHART – ENFIELD

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

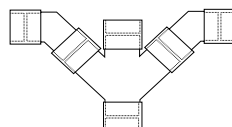
### Fabricated Reducing Combination Wye & 1/8 Bend EJ



|         |          |        |
|---------|----------|--------|
| 8 x 3   | L37853   | 257418 |
| 8 x 4   | L37854   | 257419 |
| 8 x 6   | L37856   | 257420 |
| 10 x 3  | L371053  | 257375 |
| 10 x 4  | L371054  | 257376 |
| 10 x 6  | L371056  | 257377 |
| 10 x 8  | L371058  | 257378 |
| 12 x 3  | L371253  | 257433 |
| 12 x 4  | L371254  | 257434 |
| 12 x 6  | L371256  | 257435 |
| 12 x 8  | L371258  | 257386 |
| 12 x 10 | L3712510 | 257385 |

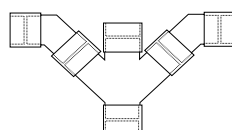
| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

### Fabricated Double Combination Wye & 1/8 Bend EJ



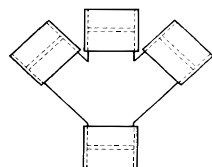
|   |       |        |
|---|-------|--------|
| 2 | L3825 | 257447 |
| 3 | L3835 | 257450 |
| 4 | L3845 | 257455 |
| 6 | L3865 | 257459 |

### Fabricated Reducing Double Combination Wye & 1/8 Bend EJ



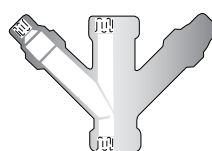
|       |        |        |
|-------|--------|--------|
| 3 x 2 | L38352 | 257451 |
| 4 x 2 | L38452 | 257456 |

### Fabricated Double 45° Wye EJ



|    |       |        |
|----|-------|--------|
| 2  | L382  | 257445 |
| 3  | L383  | 257448 |
| 4  | L384  | 257452 |
| 6  | L386  | 257457 |
| 8  | L388  | 257460 |
| 10 | L3810 | 257442 |
| 12 | L3812 | 257462 |

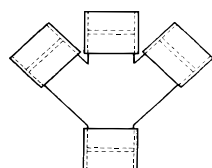
### Reducing Double 45° Wye EJ



|         |       |        |
|---------|-------|--------|
| * 6 x 4 | L3864 | 257458 |
|---------|-------|--------|

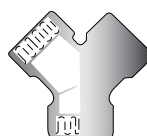
\* Assembled

### Fabricated Reducing Double 45° Wye EJ



|           |         |        |
|-----------|---------|--------|
| 2 x 1-1/2 | L3821   | 257446 |
| 3 x 2     | L3832   | 257449 |
| 4 x 2     | L3842   | 257453 |
| 4 x 3     | L3843   | 257454 |
| 8 x 6     | L3886   | 257461 |
| 10 x 4    | L38104  | 257443 |
| 10 x 6    | L38106  | 257463 |
| 10 x 8    | L38108  | 257444 |
| 12 x 4    | L38124  | 257464 |
| 12 x 6    | L38126  | 257465 |
| 12 x 8    | L38128  | 257466 |
| 12 x 10   | L381210 | 257467 |

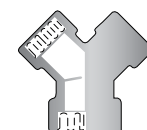
### True Wye EJ



|       |    |      |        |
|-------|----|------|--------|
| 1-1/2 | ** | L341 | 257341 |
|-------|----|------|--------|

\*\* While quantities last. Obsolete when stock depleted.

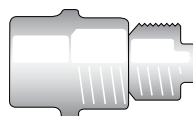
### Reducing True Wye EJ



|           |    |       |        |
|-----------|----|-------|--------|
| 2 x 1-1/2 | ** | L3421 | 257343 |
| 3 x 2     | ** | L3432 | 257344 |

\*\* While quantities last. Obsolete when stock depleted.

### Cleanout P w/ Plug Sp



|       |      |        |
|-------|------|--------|
| 1-1/2 | L241 | 257232 |
| 2     | L242 | 257235 |
| 3     | L243 | 257238 |
| 4     | L244 | 257241 |
| † 6   | L246 | 257244 |

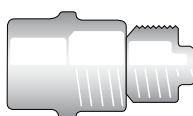
† Fabricated

### Cleanout Plug Male Thread



|       |       |        |
|-------|-------|--------|
| 1-1/2 | L241A | 257233 |
| 2     | L242A | 257236 |
| 3     | L243A | 257239 |
| 4     | L244A | 257242 |

### Cleanout w/ Brass Plug Sp



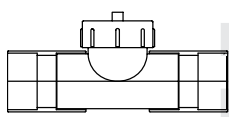
|   |       |        |
|---|-------|--------|
| 3 | L2403 | 257247 |
| 4 | L2404 | 257248 |

IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

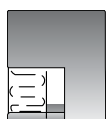
## PRODUCT SELECTION CHART – ENFIELD

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

### Fabricated Cleanout Tee EJ

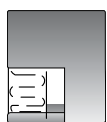
|                                                                                   |       |      |        |
|-----------------------------------------------------------------------------------|-------|------|--------|
|  | 1-1/2 | L901 | 257551 |
|                                                                                   | 2     | L902 | 257552 |
|                                                                                   | 3     | L903 | 257553 |
|                                                                                   | 4     | L904 | 257554 |
|                                                                                   | 6     | L906 | 257555 |

### Molded Cap EJ



|       |      |        |
|-------|------|--------|
| 1-1/2 | L639 | 257023 |
| 2     | L640 | 257022 |

### Fabricated Cap EJ

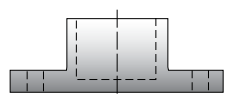


|    |       |        |
|----|-------|--------|
| 3  | L643  | 257544 |
| 4  | L644  | 257545 |
| 6  | L646  | 257546 |
| 8  | L648  | 257547 |
| 10 | L6410 | 257542 |
| 12 | L6412 | 257548 |

### Flange - ASA 150 EJ

|                                                                                     |       |      |        |
|-------------------------------------------------------------------------------------|-------|------|--------|
|  | 1-1/2 | L361 | 257361 |
|                                                                                     | 2     | L362 | 257365 |
|                                                                                     | 3     | L363 | 257366 |
|                                                                                     | 4     | L364 | 257367 |
|                                                                                     | 6     | L366 | 257368 |

### Fabricated Flange - ASA 150 EJ

|                                                                                     |    |       |        |
|-------------------------------------------------------------------------------------|----|-------|--------|
|  | 8  | L368  | 257369 |
|                                                                                     | 10 | L3610 | 257362 |
|                                                                                     | 12 | L3612 | 257363 |

### Fabricated Blind Flange - ASA 150

|                                                                                     |    |         |        |
|-------------------------------------------------------------------------------------|----|---------|--------|
|  | 8  | L3688   | 257370 |
|                                                                                     | 10 | L361010 | 257360 |
|                                                                                     | 12 | L361212 | 257364 |

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

### Reducing Bushing Sp x EJ



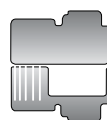
|             |         |        |
|-------------|---------|--------|
| 2 x 1-1/2   | L3912   | 257472 |
| 3 x 1-1/2   | L3913   | 257473 |
| 3 x 2       | L3923   | 257476 |
| * 4 x 1-1/2 | L3914   | 257474 |
| 4 x 2       | L3924   | 257477 |
| 4 x 3       | L3934   | 257479 |
| 6 x 1-1/2   | L3916   | 257475 |
| * 6 x 3     | L3936   | 257480 |
| 6 x 4       | L3946   | 257483 |
| * 8 x 3 **  | L3938   | 257481 |
| * 8 x 4     | L3948   | 257484 |
| 8 x 6       | L3968   | 257486 |
| * 10 x 4    | L39410  | 257482 |
| * 10 x 6    | L39610  | 257485 |
| 10 x 8      | L39810  | 257487 |
| † 12 x 4    | L39412  | 257489 |
| † 12 x 6    | L39612  | 257490 |
| † 12 x 8    | L39812  | 257488 |
| † 12 x 10   | L391012 | 257471 |

\* Assembled

† Fabricated

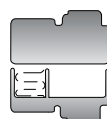
\*\* Discontinued when stock is depleted

### Adapter Female Thread x LN



|       |      |        |
|-------|------|--------|
| 1-1/2 | L101 | 257101 |
|-------|------|--------|

### Adapter EJ x LN



|       |      |        |
|-------|------|--------|
| 1-1/2 | L111 | 257111 |
|-------|------|--------|

### Male Adapter EJ x Male Thread



|       |      |        |
|-------|------|--------|
| 1-1/2 | L141 | 257121 |
| 2     | L142 | 257122 |

### Female Adapter EJ x Female Thread

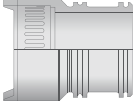


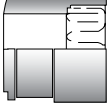
|       |      |        |
|-------|------|--------|
| 1-1/2 | L151 | 257131 |
| 2     | L152 | 257132 |
| 3     | L153 | 257733 |
| 4     | L154 | 257734 |

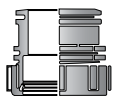
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## PRODUCT SELECTION CHART – ENFIELD

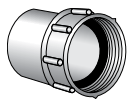
|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 1-1/2               | L451                  | 257501          |
|                                                                                   | 2                   | L452                  | 257502          |
|                                                                                   | 3                   | L453                  | 257503          |
|                                                                                   | 4                   | L454                  | 257504          |

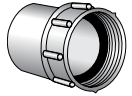
|                                                                                   |       |      |        |
|-----------------------------------------------------------------------------------|-------|------|--------|
| Duriron Adapter EJ x Spigot                                                       |       |      |        |
|  | 1-1/2 | L461 | 257511 |

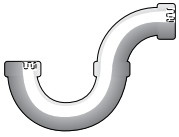
|                                                                                   |       |      |        |
|-----------------------------------------------------------------------------------|-------|------|--------|
| Cast Iron Adapter EJ x Sp                                                         |       |      |        |
|  | 1-1/2 | L460 | 257030 |
|                                                                                   | † 2   | L462 | 257512 |
|                                                                                   | † 3   | L463 | 257513 |
|                                                                                   | † 4   | L464 | 257514 |
| † Fabricated                                                                      |       |      |        |

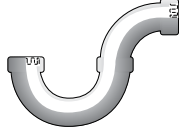
|                                                                                     |       |      |        |
|-------------------------------------------------------------------------------------|-------|------|--------|
| Duriron Adapter MJ x Spigot                                                         |       |      |        |
|  | 1-1/2 | W461 | 156461 |
|                                                                                     | 2     | W462 | 156462 |
|                                                                                     | 3     | W463 | 156463 |
|                                                                                     | 4     | W464 | 156464 |

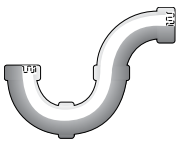
|                                                                                                                                 |            |       |        |
|---------------------------------------------------------------------------------------------------------------------------------|------------|-------|--------|
| 3" /12" FRPP Tail Piece Adapter                                                                                                 |            |       |        |
|  | 1-1/2 x 3  | W303  | 257133 |
|                                                                                                                                 | 1-1/2 x 12 | W3012 | 257134 |
| c/w Spig x Brass Compression Ring                                                                                               |            |       |        |

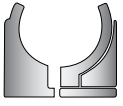
|                                                                                                                                                   |                   |       |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------|--------|
| 1-1/2" x 12" FRPP Swivel Sink Strainer Adapter<br>Spig x Female Thread                                                                            |                   |       |        |
|  | 1-1/2 x 12        | W5512 | 257090 |
|                                                                                                                                                   | c/w Viton® Gasket |       |        |

|                                                                                     |         |       |        |
|-------------------------------------------------------------------------------------|---------|-------|--------|
| FRPP Swivel Sink Strainer Adapter Spig x Female Thread                              |         |       |        |
|  | 1-1/2   | W551  | 257093 |
|                                                                                     | * 1-1/2 | W551G | 156450 |
| c/w Viton® Gasket<br>*Pregrooved for Labline. Nut and Olive are extra.              |         |       |        |

|                                                                                    |       |       |        |
|------------------------------------------------------------------------------------|-------|-------|--------|
| P Trap – 2 piece EJ                                                                |       |       |        |
|  | 1-1/2 | L1021 | 257104 |
|                                                                                    | 2     | L1022 | 257105 |
| Shipped as 2 pieces                                                                |       |       |        |

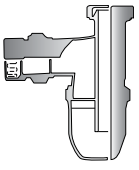
|                                                                                    |    |       |        |
|------------------------------------------------------------------------------------|----|-------|--------|
| Fabricated P Trap – 2 piece EJ                                                     |    |       |        |
|  | 8  | LT18  | 257566 |
|                                                                                    | 10 | LT110 | 257562 |
| Shipped as 2 pieces                                                                |    |       |        |

|                                                                                    |   |      |        |
|------------------------------------------------------------------------------------|---|------|--------|
| P Trap – 3 piece EJ                                                                |   |      |        |
|  | 3 | LT13 | 257563 |
|                                                                                    | 4 | LT14 | 257564 |
|                                                                                    | 6 | LT16 | 257565 |
| Shipped as 3 pieces                                                                |   |      |        |

|                                                                                     |         |      |        |
|-------------------------------------------------------------------------------------|---------|------|--------|
| Pipe Clip                                                                           |         |      |        |
|  | * 1-1/2 | W251 | 156251 |
|                                                                                     | * 2     | W252 | 156252 |
| * Obsolete when stock depleted                                                      |         |      |        |

|                                                                                     |       |        |        |
|-------------------------------------------------------------------------------------|-------|--------|--------|
| Cobra Pipe Clip – Polypropylene                                                     |       |        |        |
|  | 3/8   | 434305 | 437340 |
|                                                                                     | 1/2   | 434306 | 437341 |
|                                                                                     | 3/4   | 434307 | 437342 |
|                                                                                     | 1     | 434308 | 437343 |
|                                                                                     | 1-1/4 | 434309 | 437344 |
|                                                                                     | 1-1/2 | 434310 | 437345 |
|                                                                                     | 2     | 434311 | 437346 |
|                                                                                     | 2-1/2 | 434312 | 437347 |
|                                                                                     | 3     | 434313 | 437348 |
|                                                                                     | 4     | 434314 | 437349 |
|                                                                                     | 6     | 434317 | 437342 |

Note: 3/8" 1/2", 3/4" and 1" pipe clips are supplied without retaining bands.

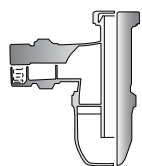
|                                                                                     |       |       |        |
|-------------------------------------------------------------------------------------|-------|-------|--------|
| Universal Trap – Solid Base, P Type EJ x Female Thread                              |       |       |        |
|  | 1-1/2 | L501  | 257521 |
|                                                                                     | 1-1/2 | L5011 | 257522 |

IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

## PRODUCT SELECTION CHART – ENFIELD

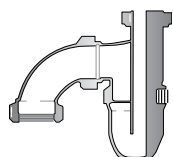
| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

### Universal Trap – Clear Base, P Type EJ x Female Thread



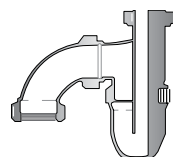
|       |       |        |
|-------|-------|--------|
| 1-1/2 | L511  | 257531 |
| 1-1/2 | L5111 | 257532 |

### Universal Trap – Solid Base, S Type EJ



|       |       |        |
|-------|-------|--------|
| 1-1/2 | L5015 | 257523 |
|-------|-------|--------|

### Universal Trap – Clear Base, S Type EJ

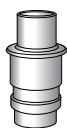


|       |       |        |
|-------|-------|--------|
| 1-1/2 | L5115 | 257533 |
|-------|-------|--------|

Note: 3" deep seal Universal Traps have 1-1/2" female threaded inlet which connect directly to Enfield cup sinks and sink outlets or can be adapted to other brands by means of adapters W121 and W131. All universal traps contain nitrile gaskets. Other special chemical resistance gaskets are available upon request.

\*Universal traps are Anti-Siphon design

### Fabricated Expansion Joint



|   |      |        |
|---|------|--------|
| 3 | L803 | 257107 |
| 4 | L804 | 257108 |
| 6 | L806 | 257109 |

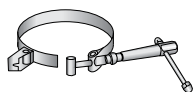
### Enfusion Control Unit – Complete Kit



|   |          |        |
|---|----------|--------|
| - | EHHL2600 | 257279 |
|---|----------|--------|

Kit includes hub clamps, 11/2" thru 6", connector cable & 5' link cable.

### Enfusion Hub Clamp – New T Bar Handle & Bushing



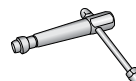
|       |         |        |
|-------|---------|--------|
| 1-1/2 | L26101  | 257254 |
| 2     | L26102  | 257256 |
| 3     | L26103  | 257257 |
| 4     | L26104  | 257258 |
| 6     | L26106  | 257259 |
| 8     | L26108  | 257260 |
| 10    | L261010 | 257255 |
| 12    | L261212 | 257262 |

### Enfusion Extension Pins

|        |          |        |
|--------|----------|--------|
| 1-1/16 | C3370890 | 257778 |
|--------|----------|--------|

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

### Stainless Steel T Handle for Hub Clamps



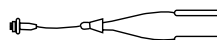
|             |        |        |
|-------------|--------|--------|
| 1-1/2 to 12 | L2610T | 257125 |
|-------------|--------|--------|

### Oil Impregnated Brass Bushings for Clamps



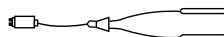
|             |        |        |
|-------------|--------|--------|
| 1-1/2 to 12 | L2610B | 257094 |
|-------------|--------|--------|

### Connector Cable – Current Style Machine



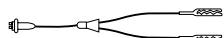
|   |        |        |
|---|--------|--------|
| - | L26801 | 257278 |
|---|--------|--------|

### Connector Cable – Old Style Machine



|   |        |        |
|---|--------|--------|
| - | L26201 | 257263 |
|---|--------|--------|

### Connector Cable – EZ Connector Cable



|   |        |        |
|---|--------|--------|
| - | L26901 | 257294 |
|---|--------|--------|

### Link Cable c/w EZ Connector



|           |        |        |
|-----------|--------|--------|
| 2 ft. EZ  | L26260 | 257268 |
| 5 ft. EZ  | L26261 | 257269 |
| 10 ft. EZ | L26262 | 257270 |
| 15 ft. EZ | L26263 | 257271 |

### Link Cable c/w Link Lead



|        |        |        |
|--------|--------|--------|
| 5 ft.  | L26251 | 257265 |
| 10 ft. | L26252 | 257266 |
| 15 ft. | L26253 | 257267 |

### Fuses

|        |        |        |
|--------|--------|--------|
| 16 AMP | P52690 | 257801 |
|--------|--------|--------|

IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

# A Safe Place to Grow



## IPEX Protects Your Investment

Certain environments demand fail-safe systems. No leaks. No risk. IPEX understands the complexity of design and installation for demanding **DOUBLE CONTAINMENT APPLICATIONS.**

And, unlike other manufacturers, our specialists are part of a division of IPEX dedicated solely to the design, production and installation of state-of-the-art double containment systems. With more than 30 years of experience and success, we are the proven experts.

The IPEX family of double containment systems includes: **Guardian™** PVC and CPVC, and **Clear-Guard™** PVC pressure and drainage systems, **Encase™** PolyPro drainage systems, **CustomGuard®**

FRP and metal pressure systems and **Centra-Guard™** leak detection systems.

Safety and environmental concerns are top priorities on today's industrial agenda.

Reduction of emissions, energy conservation and prevention of ground water contamination are some of the areas where regulations are increasingly defining an important line between utilization and exploitation of our planet's resources.



For most common chemical-waste or process applications, IPEX offers systems that are both simple yet highly advanced technologies.

# LABLINE MECHANICAL JOINT ACID WASTE SYSTEMS

1-1/2" - 4"

## LABLINE®

Labline (Mechanical Joint) has displaced the more expensive and difficult to install glass and metal systems. Gone is the need for fusing, caulking or welding of joints. Joining of the Labline System is complete in just 30 seconds and once the nut is locked into place, the end-user is assured of many years of trouble-free service. Yet, because it is a mechanical joint, the system can be easily dismantled and re-used, making it ideal for modular designs and for systems that may require re-modeling in the future.

### STANDARDS



NSF-approved  
IAPMO-listed & CSA-certified  
Meets ASTM F1412, D4101 and CSA B181.3



### DID YOU KNOW?

Both Labline® and Plenumline™ contain no-heat Elastolives™ for quick installation and high performance.

### ADVANTAGES

- 1 30 second jointing – save on installation time
- 2 Proven reliability for over 30 years
- 3 Labline is manufactured from polypropylene which has an operating temperature range from -10°F to 180°F. With occasional exposure to 212°F; this allows systems to be flushed with boiling water
- 4 All plastic construction – no galvanic action, electrolysis or corrosion in the joint
- 5 Simple, inexpensive, non-temperamental tools
- 6 Easy to install, even in difficult areas
- 7 Mastered by plumbers in minutes. No pre-heating required to install olive
- 8 System changes during installation can be done without spoiling fittings
- 9 Can be disassembled and re-used
- 10 Ideal for modular systems
- 11 Ideal for remodeling
- 12 Matched system – high quality pipe and fittings are matched to give ease of installation and long term reliability



## SHORT FORM SPECIFICATIONS

### GENERAL

Acid waste drain and vent system, as shown on drawings, shall be NSF listed, Schedule 40, polypropylene as manufactured by IPEX to include pipe supplied in 10 ft. lengths (or 20 ft lengths if NFRPP is specified), and matched fittings, traps and neutralization tanks from the same manufacturer. It shall also include recommended adapters to connect to other piping materials, where applicable.

### MATERIAL

Pipe shall be made from NSF listed Type 110 or 210, flame retardant polypropylene conforming to ASTM D4101, with a maximum average flame spread of zero seconds and a maximum extent of burning of 13 mm, in accordance with ASTM D635. Matched fittings shall be made from NSF listed flame retardant polypropylene with average maximum burn time of 80 seconds and maximum extent of burning of 20 mm in accordance with ASTM D635.

If NFRPP pipe is specified, it shall be made from NSF 14 listed and CSA certified Schedule 40 P as manufactured by IPEX. Pipe shall comply with ASTM F1412 and material used shall comply with the material requirements of ASTM D4101.

### FITTINGS

Fittings shall be NSF listed, be of all plastic construction and be designed to lock into a machined groove on the mating piping. All fittings shall have integrally molded union connections. No metallic grab rings or clamps shall be allowed. Fittings containing EVA (ethylene vinyl acetate) are strictly prohibited. Couplings shall not be added to make mechanical joint fittings. Fittings shall be Labline or approved equivalent.

### JOINTS

Connections between polypropylene pipe and matched fittings shall be made using the Labline Joint.

### INSTALLATION AND TESTING

Installation and testing shall be in accordance with the contract drawings, the manufacturer's recommendations and the local plumbing codes. Testing with compressed air is prohibited. The entire system shall be installed free of stress and in proper alignment. Horizontal supports shall provide a wide bearing area and be free of burrs or sharp edges. Support spacings shall be in accordance with the manufacturer's recommendations and local plumbing codes. Vertical piping shall have riser clamps at each floor. Pipe supports shall be installed so that horizontal piping is in uniform alignment and with a uniform slope of at least 1/8" per foot, or in accordance with the local plumbing codes.



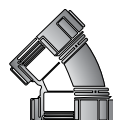
## PRODUCT SELECTION CHART – LABLINE

### Coupling



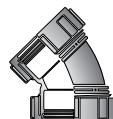
| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
| 1-1/2               | W161                  | 156161          |
| 2                   | W162                  | 156162          |
| 3                   | W163                  | 156163          |
| 4                   | W164                  | 156164          |

### 1/8 Bend (45°)



|       |      |        |
|-------|------|--------|
| 1-1/2 | W191 | 156191 |
| 2     | W192 | 156192 |
| 3     | W193 | 156193 |
| 4     | W194 | 156194 |

### Loose Nut 1/8 Bend (45°) MJ x LN



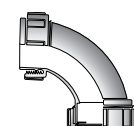
|       |      |        |
|-------|------|--------|
| 1-1/2 | W211 | 156216 |
| 2     | W212 | 156217 |
| 3     | W213 | 156218 |
| 4     | W214 | 156219 |

### 1/4 Bend (90°)



|       |      |        |
|-------|------|--------|
| 1-1/2 | W181 | 156181 |
| 2     | W182 | 156182 |
| 3     | W183 | 156183 |
| 4     | W184 | 156184 |

### Loose Nut 1/4 Bend (90°) MJ x LN



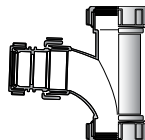
|       |      |        |
|-------|------|--------|
| 1-1/2 | W291 | 156291 |
| 2     | W292 | 156292 |
| 3     | W293 | 156293 |
| 4     | W294 | 156294 |

### Sanitary Tee



|       |      |        |
|-------|------|--------|
| 1-1/2 | W201 | 156201 |
| 2     | W202 | 156203 |
| 3     | W203 | 156206 |
| 4     | W204 | 156210 |

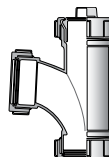
### Reducing Sanitary Tee



| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
| * 2 x 1-1/2         | W2021                 | 156204          |
| * 3 x 1-1/2         | W2031                 | 156207          |
| * 3 x 2             | W2032                 | 156208          |
| * 4 x 1-1/2         | W2041                 | 156211          |
| * 4 x 2             | W2042                 | 156212          |
| * 4 x 3             | W2043                 | 156213          |

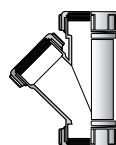
\* Assembled

### Cleanout Tee



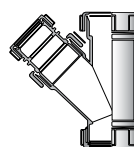
|       |       |        |
|-------|-------|--------|
| 1-1/2 | W2015 | 156202 |
| 2     | W2025 | 156205 |
| 3     | W2035 | 156209 |
| 4     | W2045 | 156214 |

### 45° Wye



|       |      |        |
|-------|------|--------|
| 1-1/2 | W371 | 156361 |
| 2     | W372 | 156363 |
| 3     | W373 | 156367 |
| 4     | W374 | 156373 |

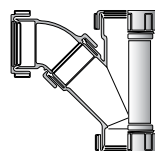
### Reducing 45° Wye



|             |       |        |
|-------------|-------|--------|
| * 2 x 1-1/2 | W3721 | 156364 |
| * 3 x 1-1/2 | W3731 | 156368 |
| * 3 x 2     | W3732 | 156369 |
| * 4 x 1-1/2 | W3741 | 156374 |
| * 4 x 2     | W3742 | 156375 |
| * 4 x 3     | W3743 | 156376 |

\* Assembled

### Combination Wye & 1/8 Bend



|         |       |        |
|---------|-------|--------|
| * 1-1/2 | W3715 | 156362 |
| * 2     | W3725 | 156365 |
| * 3     | W3735 | 156370 |
| * 4     | W3745 | 156377 |

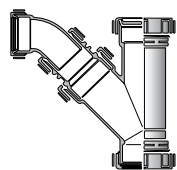
\* Assembled

All Labline fittings are furnished assembled with Olives and Union Nuts. IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

## PRODUCT SELECTION CHART – LABLINE

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

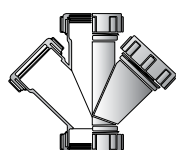
### Reducing Combination Wye & 1/8 Bend



|             |        |        |
|-------------|--------|--------|
| * 2 x 1-1/2 | W37251 | 156366 |
| * 3 x 1-1/2 | W37351 | 156371 |
| * 3 x 2     | W37352 | 156372 |
| * 4 x 1-1/2 | W37451 | 156380 |
| * 4 x 2     | W37452 | 156378 |
| * 4 x 3     | W37453 | 156379 |

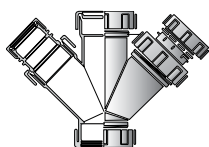
\* Assembled

### Double Wye



|       |      |        |
|-------|------|--------|
| 1-1/2 | W381 | 156381 |
| 2     | W382 | 156383 |
| 3     | W383 | 156387 |
| 4     | W384 | 156392 |

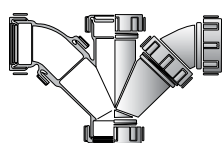
### Reducing Double Wye



|             |       |        |
|-------------|-------|--------|
| * 2 x 1-1/2 | W3821 | 156384 |
| * 3 x 1-1/2 | W3831 | 156388 |
| * 3 x 2     | W3832 | 156389 |
| * 4 x 1-1/2 | W3841 | 156405 |
| * 4 x 2     | W3842 | 156393 |
| * 4 x 3     | W3843 | 156394 |

\* Assembled

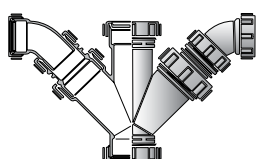
### Double Wye & 1/8 Bend



|         |       |        |
|---------|-------|--------|
| * 1-1/2 | W3815 | 156382 |
| * 2     | W3825 | 156385 |
| * 3     | W3835 | 156390 |
| * 4     | W3845 | 156395 |

\* Assembled

### Reducing Double Wye & 1/8 Bend

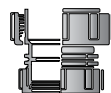


|             |        |        |
|-------------|--------|--------|
| * 2 x 1-1/2 | W38251 | 156386 |
| * 3 x 1-1/2 | W38351 | 156406 |
| * 3 x 2     | W38352 | 156391 |
| * 4 x 1-1/2 | W38451 | 156407 |
| * 4 x 2     | W38452 | 156396 |
| * 4 x 3     | W38453 | 156408 |

\* Assembled

| Dimension<br>inches | Significant<br>Number | Product<br>Code |
|---------------------|-----------------------|-----------------|
|---------------------|-----------------------|-----------------|

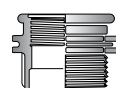
### Reducing Coupling LN x MJ



|           |        |        |
|-----------|--------|--------|
| 2 x 1-1/2 | W3921  | 156397 |
| 3 x 1-1/2 | W3931* | 156398 |
| 3 x 2     | W3932* | 156400 |
| 4 x 1-1/2 | W3941* | 156399 |
| 4 x 2     | W3942* | 156401 |
| 4 x 3     | W3943  | 156402 |

\* Loose nut not furnished

### Threaded Adapter Male Thread x Female Thread



|               |      |        |
|---------------|------|--------|
| 1-1/2 x 1-1/4 | W121 | 156121 |
| 1-1/2 x 1-1/2 | W131 | 156131 |

### Male Adapter MJ x Male Thread



|       |       |        |
|-------|-------|--------|
| 1-1/2 | W141T | 156141 |
| 2     | W142  | 156142 |
| 3     | W143  | 156143 |
| 4     | W144  | 156144 |

### Female Adapter MJ x Female Thread



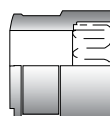
|       |      |        |
|-------|------|--------|
| 1-1/2 | W151 | 156151 |
| 2     | W152 | 156152 |

### Glass Adapter MJ x Bead



|       |      |        |
|-------|------|--------|
| 1-1/2 | W451 | 156451 |
| 2     | W452 | 156452 |
| 3     | W453 | 156453 |
| 4     | W454 | 156454 |

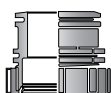
### Cast Iron Adapter EJ x Sp



|       |      |        |
|-------|------|--------|
| 1-1/2 | L461 | 257511 |
| † 2   | L462 | 257512 |
| † 3   | L463 | 257513 |
| † 4   | L464 | 257514 |

† Fabricated

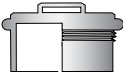
### Duriron Adapter MJ x Spigot



|       |      |        |
|-------|------|--------|
| 1-1/2 | W461 | 156461 |
| 2     | W462 | 156462 |
| 3     | W463 | 156463 |
| 4     | W464 | 156464 |

All Labline fittings are furnished assembled with Olives and Union Nuts. IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent

## PRODUCT SELECTION CHART – LABLINE

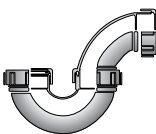
|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 1-1/2               | W241                  | 156241          |
|                                                                                   | 2                   | W242                  | 156242          |
|                                                                                   | 3                   | W243                  | 156243          |
|                                                                                   | 4                   | W244                  | 156244          |

### Vent Loop U Bend



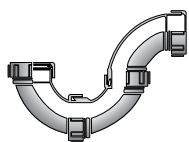
|       |       |        |
|-------|-------|--------|
| 1-1/2 | W1011 | 156101 |
| 2     | W1012 | 156102 |

### P Trap - 2 Piece



|       |       |        |
|-------|-------|--------|
| 1-1/2 | W1021 | 156103 |
| 2     | W1022 | 156104 |

### P Trap - 3 piece Long Radius



|       |      |        |
|-------|------|--------|
| 1-1/2 | WT11 | 156711 |
| 2     | WT12 | 156712 |
| 3     | WT13 | 156713 |
| 4     | WT14 | 156714 |

### S Trap - 3 Piece



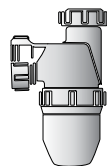
|       |       |        |
|-------|-------|--------|
| 1-1/2 | W1031 | 156105 |
| 2     | W1032 | 156106 |

### Running Trap - 3 Piece



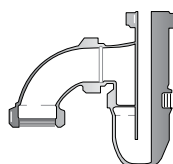
|       |       |        |
|-------|-------|--------|
| 1-1/2 | W1041 | 156107 |
| 2     | W1042 | 156108 |

### Universal Trap Female Thread x MJ



|                              |       |        |
|------------------------------|-------|--------|
| 1-1/2                        | W501  | 156501 |
| *1-1/2                       | W511  | 156511 |
| *Transparent Base            |       |        |
| -                            | W5112 | 156512 |
| PP Base Only                 |       |        |
| -                            | W5113 | 156513 |
| Clear Base Only              |       |        |
| -                            | W5114 | 156514 |
| O-ring Gasket Only           |       |        |
| -                            | W5116 | 156516 |
| Top Assembly For W501 & W511 |       |        |

### Universal Trap, S-Type Female Thread x MJ



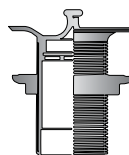
|         |       |        |
|---------|-------|--------|
| 1-1/2   | W5015 | 156502 |
| * 1-1/2 | W5115 | 156515 |

\* Transparent Base

Note: 3" deep seal Universal Traps have 1-1/2" female threaded inlet which connect directly to Enfield cup sinks and sink outlets or can be adapted to other brands by means of adapters W121 and W131. All universal traps contain nitrile gaskets. Other special chemical resistance gaskets are available upon request.

\*Universal traps are Anti-Siphon design

### Sink Outlet w/ Plug



|                      |               |        |
|----------------------|---------------|--------|
| 1-1/2 – 3-3/8        | W301B (Black) | 156303 |
| 1-1/2 – 2-7/8        | W311B (Black) | 156311 |
| -                    | W3012B        | 156302 |
| (Lock Nut For W301B) |               |        |

### Sink Outlet Plug

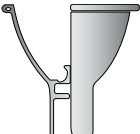
|                |        |
|----------------|--------|
| W3011B (Black) | 156301 |
| W3011W (White) | 156305 |

### Sink Overflow

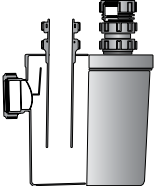
|       |               |        |
|-------|---------------|--------|
| 1-1/2 | W321B (Black) | 156321 |
|-------|---------------|--------|

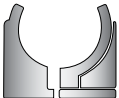
All Labline fittings are furnished assembled with Olives and Union Nuts. IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

## PRODUCT SELECTION CHART – LABLINE

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 6 x 4 Deep          | W401B                 | 156403          |
|                                                                                   | 4 x 4 Deep          | W402                  | 156404          |
|                                                                                   | plug                | W4011B                | 156409          |
|                                                                                   | (Plug for W401B)    |                       |                 |

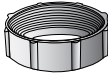
|                                                                                   |       |      |        |
|-----------------------------------------------------------------------------------|-------|------|--------|
|  | 6 x 3 | W497 | 156491 |
|                                                                                   | 9 x 3 | W498 | 156493 |
|                                                                                   |       |      |        |

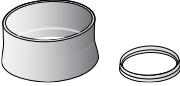
|                                                                                    |       |      |        |
|------------------------------------------------------------------------------------|-------|------|--------|
|  | 1-1/2 | W601 | 156601 |
|                                                                                    |       |      |        |

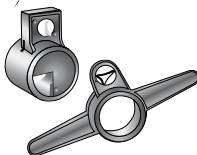
|                                                                                     |                                |      |        |
|-------------------------------------------------------------------------------------|--------------------------------|------|--------|
|  | * 1-1/2                        | W251 | 156251 |
|                                                                                     | * 2                            | W252 | 156252 |
|                                                                                     | * Obsolete when stock depleted |      |        |

|                                                                                     |       |        |        |
|-------------------------------------------------------------------------------------|-------|--------|--------|
|  | 3/8   | 434305 | 437340 |
|                                                                                     | 1/2   | 434306 | 437341 |
|                                                                                     | 3/4   | 434307 | 437342 |
|                                                                                     | 1     | 434308 | 437343 |
|                                                                                     | 1-1/4 | 434309 | 437344 |
|                                                                                     | 1-1/2 | 434310 | 437345 |
|                                                                                     | 2     | 434311 | 437346 |
|                                                                                     | 2-1/2 | 434312 | 437347 |
|                                                                                     | 3     | 434313 | 437348 |
|                                                                                     | 4     | 434314 | 437349 |

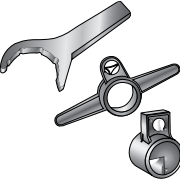
Note: 3/8" 1/2", 3/4" and 1" pipe clips are supplied without retaining bands.

|                                                                                   | Dimension<br>inches | Significant<br>Number | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|-----------------|
|  | 1-1/2               | W231                  | 156231          |
|                                                                                   | 2                   | W232                  | 156232          |
|                                                                                   | 3                   | W233                  | 156233          |
|                                                                                   | 4                   | W234                  | 156234          |

|                                                                                    |       |        |        |
|------------------------------------------------------------------------------------|-------|--------|--------|
|  | 1-1/2 | W221NH | 156222 |
|                                                                                    | 2     | W222NH | 156113 |
|                                                                                    | 3     | W223NH | 156114 |
|                                                                                    | 4     | W224NH | 156115 |

|                                                                                     |       |      |        |
|-------------------------------------------------------------------------------------|-------|------|--------|
|  | 1-1/2 | W261 | 156109 |
|                                                                                     | 2     | W262 | 156110 |
|                                                                                     | 3     | W263 | 156111 |
|                                                                                     | 4     | W264 | 156112 |

|                                                                                     |       |       |        |
|-------------------------------------------------------------------------------------|-------|-------|--------|
|  | 1-1/2 | W2611 | 156264 |
|                                                                                     | 2     | W2622 | 156266 |
|                                                                                     | 3     | W2633 | 156268 |
|                                                                                     | 4     | W2644 | 156270 |

|                                                                                     |       |        |        |
|-------------------------------------------------------------------------------------|-------|--------|--------|
|  | 1-1/2 | W261CS | 156263 |
|                                                                                     | 2     | W262CS | 156265 |
|                                                                                     | 3     | W263CS | 156267 |
|                                                                                     | 4     | W264CS | 156269 |

|                                                                                     |      |   |        |
|-------------------------------------------------------------------------------------|------|---|--------|
|  | 1 kg | - | 156715 |
|                                                                                     |      |   |        |

# FLOWAY POLYPROPYLENE FLOOR DRAINS

2" - 6"



For efficiently managing chemical spills, our Floway™ adjustable and non-adjustable polypropylene drain ports are specially designed to feed into IPEX acid waste systems.

## ADVANTAGES

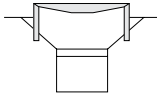
- 1 Rated for pedestrian traffic and available in sizes from 2" to 6".
- 2 Floway™ drains can be optionally configured with adjustable strainers, and plain end or threaded outlets.
- 3 Adjustable feature allows easy leveling after pouring of finished floors

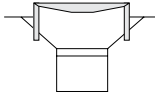


110

FLOWAY POLYPROPYLENE FLOOR DRAINS

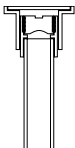
## PRODUCT SELECTION CHART – FLOWAY

|                                                                                     | Dimension<br>Inches | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------|
| F1000 Series Adjustable Floor Drain                                                 |                     |                 |
|  | Enfield 2           | 237001          |
|                                                                                     | Labline 2           | 237075          |
|                                                                                     | 3                   | 237011          |
|                                                                                     | 4                   | 237021          |
|                                                                                     | 6                   | 237031          |

|                                                                                     | Dimension<br>Inches | Product<br>Code |
|-------------------------------------------------------------------------------------|---------------------|-----------------|
| F4000 Series Non-Adjustable Floor Drain                                             |                     |                 |
|  | Enfield 2           | 237041          |
|                                                                                     | Labline 2           | 237079          |
|                                                                                     | 3                   | 237051          |
|                                                                                     | 4                   | 237061          |
|                                                                                     | 6                   | 237071          |

IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

## PRODUCT SELECTION CHART – FLOWAY

|                                                                                   | Dimension<br>Inches               | Product<br>Code |
|-----------------------------------------------------------------------------------|-----------------------------------|-----------------|
|  | 2                                 | 237173          |
|                                                                                   | 3                                 | 237174          |
|                                                                                   | 4                                 | 237175          |
|                                                                                   | *6                                | 237177          |
|                                                                                   | * 4" cleanout with 6" pipe outlet |                 |

### Gas Tight Plug

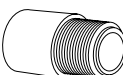
|                                                                                   |   |        |
|-----------------------------------------------------------------------------------|---|--------|
|  | 3 | 237815 |
|                                                                                   | 4 | 237816 |
|                                                                                   | 6 | 237817 |

### Blank Cover for F Series Drains

|              |        |
|--------------|--------|
| F1000 Series | 237814 |
| F4000 Series | 237813 |

### Grid Strainers for F Series Drains

|              |        |
|--------------|--------|
| F1000 Series | 237807 |
| F4000 Series | 237806 |

|                                                                                   | Dimension<br>Inches | Product<br>Code |
|-----------------------------------------------------------------------------------|---------------------|-----------------|
|  | 3                   | 257091          |
|                                                                                   | 4                   | 257092          |

### FPT Tap for Priming Drain Assembly

|     |        |
|-----|--------|
| 3/8 | 237430 |
| 1/2 | 237429 |

### Trap Primer 12" Length w/FPT

|   |        |
|---|--------|
| 2 | 257126 |
| 3 | 257127 |
| 4 | 257128 |

# PLENUMLINE MECHANICAL JOINT ACID WASTE SYSTEM

1-1/2" - 4"

## PLENUMLINE™

Plenumline mechanical joint acid waste systems easily displace costly and difficult-to-install glass and metal systems. With Plenumline, time-consuming methods associated with conventional heavy and brittle systems are replaced by a time proven mechanical joint that takes only 30 seconds to complete. Once the Plenumline nut is locked in place, the end-user is assured of many years of trouble-free service. In addition, mechanical joint systems can easily be dismantled and re-used, making Plenumline ideal for modular designs and future expansions.

### STANDARDS



IAPMO-listed  
Meets ASTM F1673  
Standard specification for Polyvinylidene Fluoride (PVDF) Corrosive Waste Drainage Systems.

### ADVANTAGES

- 1 Ideally suited to plenum applications
- 2 30-second joints shorten installation time
- 3 Manufactured from Flame Retardant PVDF, which has an operating temperature range from -40°F (-40°C) to 285°F (140°C). With this high upper limit, Plenumline systems can be flushed with boiling water.
- 4 All-plastic construction eliminates galvanic action, electrolysis and corrosion in the joint.
- 5 Easy to install, even in tight areas, by using simple, inexpensive tools. Mechanical joints are mastered by plumbers in minutes; no pre-heating is required to install the new blue elastolive.
- 6 Modularized design means Plenumline components can be disassembled and re-used. In addition, system modifications during installation can be performed without damaging fittings.
- 7 High-quality pipe and fittings are matched to simplify installation and extend long-term reliability.
- 8 Flame Retardant PVDF material exhibits a flame spread index of 5 and smoke development index of 35 as tested in accordance with ASTM E84 and UL723.



## DID YOU KNOW?

IPEX Plenumline is a robust acid waste system, made from flame-retardant PVDF thermoplastic, designed for challenging conditions, including highly restrictive return air plenum applications and high-temperature corrosive chemical waste situations.



## SHORT FORM SPECIFICATIONS

### GENERAL

Acid waste drain and vent system, as shown on drawings, shall be IAPMO listed, Schedule 40, FR-PVDF as manufactured by IPEX to include pipe supplied in 10 ft. lengths and matched fittings, traps and neutralization tanks from the same manufacturer. It shall also include recommended adapters to connect to other piping materials, where applicable.

### MATERIAL

Pipe and fittings shall be made from Kynar 740-02, flame retardant PVDF conforming to ASTM F 1673, with a limiting oxygen index (LOI) of 60, Resin must have a vertical burn rating of 94 V-0. Kynar 740-02 resin based on testing to ASTM E84 (UL 723) must have surface burning characteristics greater than or equal to a flame spread 5 and smoke development 35.

### FITTINGS

Fittings shall be third party certified to ASTM F 1673 and ASTM E84, and IAPMO approved, be of all plastic construction and a tapered elastic retaining ring shall be designed to lock into a machined groove on the mating piping. All fittings shall have integrally molded union connections. No metallic grab rings or clamps shall be allowed. Fittings shall be Plenumline™ or approved equal.

### INSTALLATION AND TESTING

Installation and testing shall be in accordance with the contract drawings, the manufacturer's recommendations and the local plumbing codes. Testing with compressed air including air booster over water is prohibited. The entire system shall be installed free of stress and in proper alignment. Horizontal supports shall provide a wide bearing area and be free of burrs or sharp edges. Support spacings shall be in accordance with the manufacturer's recommendations and local plumbing codes. Vertical piping shall have riser clamps at each floor. Pipe supports shall be installed so that horizontal piping is in uniform alignment and with a uniform slope of at least 1/8" per foot, or in accordance with the local plumbing code requirements.

## PRODUCT SELECTION CHART – PLENUMLINE

|      | Dimension<br>Inches | Product<br>Code |        |
|------|---------------------|-----------------|--------|
| Pipe | 1-1/2               | W001P           | 147045 |
|      | 2                   | W002P           | 147046 |
|      | 3                   | W003P           | 147047 |
|      | 4                   | W004P           | 147048 |
|      | 6                   | W006P           | 147049 |



|          |       |       |        |
|----------|-------|-------|--------|
| Coupling | 1-1/2 | W161P | 157006 |
|          | 2     | W162P | 157007 |
|          | 3     | W163P | 157008 |
|          | 4     | W164P | 157009 |



|          |       |       |        |
|----------|-------|-------|--------|
| 1/8 Bend | 1-1/2 | W191P | 157014 |
|          | 2     | W192P | 157015 |
|          | 3     | W193P | 157016 |
|          | 4     | W194P | 157017 |



|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Loose Nut 1/8 Bend LN x MJ | 1-1/2 | W211P | 157024 |
|                            | 2     | W212P | 157025 |
|                            | 3     | W213P | 157026 |
|                            | 4     | W214P | 157027 |



|          |       |       |        |
|----------|-------|-------|--------|
| 1/4 Bend | 1-1/2 | W181P | 157010 |
|          | 2     | W182P | 157011 |
|          | 3     | W183P | 157012 |
|          | 4     | W184P | 157013 |



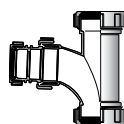
|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Loose Nut 1/4 Bend LN x MJ | 1-1/2 | W291P | 157032 |
|                            | 2     | W292P | 157033 |
|                            | 3     | W293P | 157034 |
|                            | 4     | W294P | 157035 |



|              | Dimension<br>Inches | Product<br>Code |        |
|--------------|---------------------|-----------------|--------|
| Sanitary Tee | 1-1/2               | W201P           | 157018 |
|              | 2                   | W202P           | 157019 |
|              | 3                   | W203P           | 157020 |
|              | 4                   | W204P           | 157021 |



|                       |             |        |        |
|-----------------------|-------------|--------|--------|
| Reducing Sanitary Tee | * 2 x 1-1/2 | W2021P | 157022 |
|                       | * 3 x 1/12  | W2031P | 157065 |
|                       | * 3 x 2     | W2032P | 157023 |
|                       | * 4 x 2     | W2042P | 157067 |
|                       | * 4 x 3     | W2043P | 157068 |

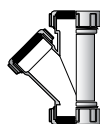


\* Assembled

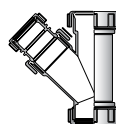
|              |       |        |        |
|--------------|-------|--------|--------|
| Cleanout Tee | 1-1/2 | W2015P | 157061 |
|              | 2     | W2025P | 157062 |
|              | 3     | W2035P | 157063 |
|              | 4     | W2045P | 157064 |



|         |       |       |        |
|---------|-------|-------|--------|
| 45° Wye | 1-1/2 | W371P | 157036 |
|         | 2     | W372P | 157037 |
|         | 3     | W373P | 157038 |
|         | 4     | W374P | 157039 |

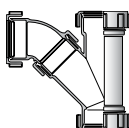


|                  |             |        |        |
|------------------|-------------|--------|--------|
| Reducing 45° Wye | * 2 x 1-1/2 | W3721P | 157069 |
|                  | * 3 x 1/12  | W3731P | 157073 |
|                  | * 3 x 2     | W3732P | 157070 |
|                  | * 4 x 2     | W3742P | 157071 |
|                  | * 4 x 3     | W3743P | 157072 |



\* Assembled

|                            |             |        |        |
|----------------------------|-------------|--------|--------|
| Combination Wye & 1/8 Bend | * 1-1/2     | W3715P | 157074 |
|                            | * 2         | W3725P | 157075 |
|                            | * 3         | W3735P | 157076 |
|                            | * 4         | W3745P | 157077 |
|                            | * Assembled |        |        |

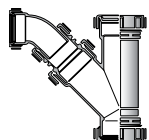


All fittings are furnished assembled with Olives and Union Nuts. IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

## PRODUCT SELECTION CHART – PLENUMLINE

| Dimension<br>Inches | Product<br>Code |
|---------------------|-----------------|
|---------------------|-----------------|

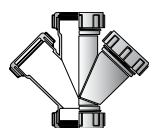
### Reducing combination Wye & 1/8 Bend



|             |         |        |
|-------------|---------|--------|
| * 2 x 1-1/2 | W37251P | 157078 |
| * 3 x 1/12  | W37351P | 157079 |
| * 3 x 2     | W37352P | 157080 |
| * 4 x 2     | W37452P | 157081 |
| * 4 x 3     | W37453P | 157082 |

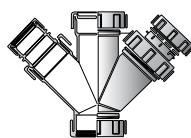
\* Assembled

### Double 45° Wye (Fabricated)



|       |       |        |
|-------|-------|--------|
| 1-1/2 | W381P | 157049 |
| 2     | W382P | 157050 |
| 3     | W383P | 157051 |
| 4     | W384P | 157052 |

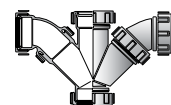
### Reducing Double Wye



|             |         |        |
|-------------|---------|--------|
| * 2 x 1-1/2 | W3821P  | 157096 |
| * 3 x 1/12  | W3831P  | 157104 |
| * 3 x 2     | W3832P  | 157097 |
| * 4 x 1-1/2 | W38841P | 157091 |
| * 4 x 2     | W3842P  | 157098 |
| * 4 x 3     | W3843P  | 157099 |

\* Assembled

### Double Wye & 1/8 Bend



|         |        |        |
|---------|--------|--------|
| * 1-1/2 | W3815P | 157100 |
| * 2     | W3825P | 157101 |
| * 3     | W3835P | 157102 |
| * 4     | W3845P | 157103 |

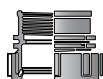
\* Assembled

### Male Adapter MJ x Male Thread



|       |       |        |
|-------|-------|--------|
| 1-1/2 | W141P | 157002 |
| 2     | W142P | 157003 |

### Female Adapter MJ x Female Thread



|       |       |        |
|-------|-------|--------|
| 1-1/2 | W151P | 157004 |
| 2     | W152P | 157005 |

| Dimension<br>Inches | Product<br>Code |
|---------------------|-----------------|
|---------------------|-----------------|

### Cleanout Plug



|       |       |        |
|-------|-------|--------|
| 1-1/2 | W241P | 157028 |
| 2     | W242P | 157029 |
| 3     | W243P | 157030 |
| 4     | W244P | 157031 |

### U Bend for P-Trap



|       |        |        |
|-------|--------|--------|
| 1-1/2 | W1011P | 157000 |
| 2     | W1012P | 157001 |

### P-Trap 2 piece



|       |        |        |
|-------|--------|--------|
| 1-1/2 | W1021P | 157083 |
| 2     | W1022P | 157084 |

### P-Trap Long Radius 3 piece



|       |       |        |
|-------|-------|--------|
| 1-1/2 | WT11P | 157085 |
| 2     | WT12P | 157086 |
| 3     | WT13P | 157087 |
| 4     | WT14P | 157088 |

### Running Trap



|       |        |        |
|-------|--------|--------|
| 1-1/2 | W1041P | 157089 |
| 2     | W1042P | 157090 |

### Fabricated Cap



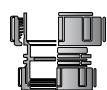
|       |       |        |
|-------|-------|--------|
| 1-1/2 | W641P | 157053 |
| 2     | W642P | 157054 |
| 3     | W643P | 157055 |
| 4     | W644P | 157056 |

All fittings are furnished assembled with Olives and Union Nuts. IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent

## PRODUCT SELECTION CHART – PLENUMLINE

| Dimension<br>Inches | Product<br>Code |
|---------------------|-----------------|
|---------------------|-----------------|

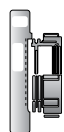
### Loose Nut – Reducing Coupling LN x MJ



|           |        |        |
|-----------|--------|--------|
| 2 x 1-1/2 | W3921P | 157040 |
| 3 x 1/12  | W3931P | 157041 |
| 3 x 2     | W3932P | 157042 |
| 4 x 2     | W3942P | 157043 |
| 4 x 3     | W3943P | 157044 |

Note: Loose Nut and Olive not furnished.

### Flanges (Fabricated)



|       |       |        |
|-------|-------|--------|
| 1-1/2 | W361P | 157057 |
| 2     | W362P | 157058 |
| * 3   | W363P | 157059 |
| 4     | W364P | 157060 |

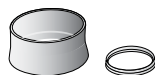
\*While quantities last, Obsolete when stock depleted

### Tail Piece Adapter Sp x Brass Compression Ring



|            |        |        |
|------------|--------|--------|
| 1-1/2 x 12 | W3012P | 157105 |
|------------|--------|--------|

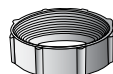
### No Heat Elastolive Blue



|       |         |        |
|-------|---------|--------|
| 1-1/2 | W221NHP | 157066 |
| 2     | W222NHP | 157106 |
| 3     | W223NHP | 157107 |
| 4     | W224NHP | 157108 |

Note: Blue olive nut is not interchangeable with the FRPP Yellow olive nut.

### Union Nut



|       |       |        |
|-------|-------|--------|
| 1-1/2 | W231P | 157109 |
| 2     | W232P | 157110 |
| 3     | W233P | 157111 |
| 4     | W234P | 157112 |

| Dimension<br>Inches | Product<br>Code |
|---------------------|-----------------|
|---------------------|-----------------|

### Grooving Tool & Spanner Combination Set



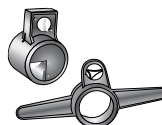
|       |        |        |
|-------|--------|--------|
| 1-1/2 | W261CS | 156263 |
| 2     | W262CS | 156265 |
| 3     | W263CS | 156267 |
| 4     | W264CS | 156269 |

### Spanner



|       |       |        |
|-------|-------|--------|
| 1-1/2 | W2611 | 156264 |
| 2     | W2622 | 156266 |
| 3     | W2633 | 156268 |
| 4     | W2644 | 156270 |

### Grooving Tool



|       |      |        |
|-------|------|--------|
| 1-1/2 | W261 | 156109 |
| 2     | W262 | 156110 |
| 3     | W263 | 156111 |
| 4     | W264 | 156112 |

### Mechanical Joint Lubricant



|      |   |        |
|------|---|--------|
| 1 kg | – | 156715 |
|------|---|--------|

A goldfish is captured mid-jump, leaving a trail of water droplets behind it as it moves from a crowded fishbowl on the left to an empty fishbowl on the right. The background is a solid blue gradient.

# Why swim with all the other fish?

## IPEX Industrial – Tough Products for Tough Environments

### THE IPEX SYSTEM ADVANTAGE

**The IPEX advantage is obvious. Every plastic pipe, valve and fitting you need for any project; available from a single, reliable source.**

Only IPEX offers a complete system of pipe, valves and fittings engineered and manufactured to IPEX's strict quality, performance and dimensional standards. Available in PVC, CPVC, ABS, and natural Polypropylene – for Process Piping, Double Containment, High-Purity, Acid Waste, and Compressed Air applications, as well as a full range of specialty products and systems.

### LEADER IN THERMOPLASTIC PIPING SYSTEMS

**IPEX designs and manufactures one of the world's most diverse lines of integrated thermoplastic piping systems. All engineered from the ground up to handle the full range of today's industrial, mechanical, municipal, and electrical applications.**

An industry pioneer with more than 50 years of experience in plastic piping systems combined with progressive manufacturing technologies, efficient distribution centers and coast-to-coast customer support. When you choose IPEX, you can be confident that all your piping materials are backed by one company.

# HDPE & POLYPROPYLENE NEUTRALIZATION TANKS

5 – 2000 gal

## NEUTRATANK®

IPEX offers a complete range of Neutratan<sup>®</sup>k neutralization tanks which are made of high-density polyethylene or polypropylene material with a one-piece rotationally molded, seamless construction, a bolt-down flanged top and combination Access cover. Neutratan<sup>®</sup>k are available in sizes from 5 gallons to 2,000 gallons to suit most potential design conditions.



### DID YOU KNOW?

Neutratan<sup>®</sup>k are used for limestone neutralization of chemical waste prior to discharge into the sewer.

### ADVANTAGES

- 1 Cylindrical and rectangular limestone neutralization tanks from 5 to 2000 gallons are available.
- 2 A variety of lids, inlets, outlets and accessories are offered.
- 3 Dilution tanks are available in 1, 2 and 5-gallon sizes.

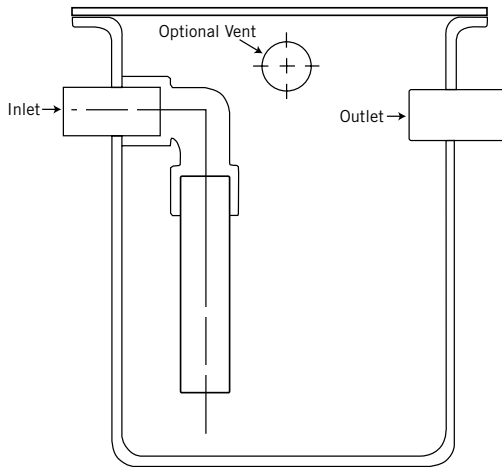
### SHORT FORM SPECIFICATIONS

Contractor shall furnish and install HDPE (Polypropylene) Neutralization Tank. Tank shall be rotationally molded, seamless construction with flanged top and welded or bolt down cover, as supplied by IPEX. Tank shall be Neutratan<sup>®</sup>k No. CT0100, having 100-gallon capacity complete with 3" inlet and outlet, and 11/2" vent connection. Tank to be 32" diameter x 42" high. Tank shall be installed in accordance with manufacturer's recommendations.

Contractor shall furnish and fill the tank prior to installation with limestone chips, as supplied by IPEX, to a level just below the tank outlet. Water should be added to the tank prior to placement of the limestone chips. equal to a flame spread 5 and smoke development 35.



## PRODUCT SELECTION CHART – NEUTRALIZATION TANKS



| Gallons | Inlet/Outlet Inches | Significant Number | Product Code |
|---------|---------------------|--------------------|--------------|
|---------|---------------------|--------------------|--------------|

### HDPE Standard Domed Plain End

|     |       |        |        |
|-----|-------|--------|--------|
| 5   | 1-1/2 | T0005A | 237211 |
| 5   | 2     | T0005B | 237212 |
| 15  | 2     | T0015B | 237222 |
| 15  | 3     | T0015C | 237223 |
| 30  | 2     | T0030B | 237232 |
| 30  | 3     | T0030C | 237233 |
| 30  | 4     | T0030D | 237234 |
| 55  | 3     | T0055C | 237243 |
| 55  | 4     | T0055D | 237244 |
| 100 | 3     | T0100C | 237252 |
| 100 | 4     | T0100D | 237253 |
| 150 | 3     | T0150C | 237281 |
| 150 | 4     | T0150D | 237282 |
| 200 | 3     | T0200C | 237411 |
| 200 | 4     | T0200D | 237412 |
| 275 | 3     | T0275C | 237130 |
| 275 | 4     | T0275D | 237124 |
| 360 | 3     | T0360C | 237125 |
| 360 | 4     | T0360D | 237126 |
| 360 | 6     | T0360E | 237497 |
| 500 | 3     | T0500C | 237135 |
| 500 | 4     | T0500D | 237136 |
| 500 | 6     | T0500E | 237498 |

### HDPE HD Bolted Flat Plain End

|     |       |         |        |
|-----|-------|---------|--------|
| 5   | 1-1/2 | HDF005A | 237183 |
| 5   | 2     | HDF005B | 237184 |
| 15  | 2     | HDF015A | 237185 |
| 15  | 3     | HDF015B | 237186 |
| 30  | 2     | HDF030A | 237187 |
| 30  | 3     | HDF030B | 237188 |
| 30  | 4     | HDF030C | 237189 |
| 55  | 3     | HDF055A | 237190 |
| 55  | 4     | HDF055B | 237191 |
| 100 | 3     | HDF100A | 237192 |
| 100 | 4     | HDF100B | 237193 |
| 150 | 3     | HDF150A | 237194 |
| 150 | 4     | HDF150B | 237195 |
| 200 | 3     | HDF200A | 237196 |
| 200 | 4     | HDF200B | 237197 |
| 275 | 3     | HDF275A | 237198 |
| 275 | 4     | HDF275B | 237199 |
| 360 | 3     | HDF360A | 237200 |
| 360 | 4     | HDF360B | 237201 |
| 360 | 6     | HDF360C | 237202 |
| 500 | 3     | HDF500A | 237203 |
| 500 | 4     | HDF500B | 237204 |
| 500 | 6     | HDF500C | 237205 |

### HDPE Steel Pedestrian Plain End

|     |       |        |        |
|-----|-------|--------|--------|
| 5   | 1-1/2 | SP005A | 237501 |
| 5   | 2     | SP005B | 237502 |
| 15  | 2     | SP015A | 237503 |
| 15  | 3     | SP015B | 237504 |
| 30  | 2     | SP030A | 237505 |
| 30  | 3     | SP030B | 237506 |
| 30  | 4     | SP030C | 237507 |
| 55  | 3     | SP055A | 237508 |
| 55  | 4     | SP055B | 237509 |
| 100 | 3     | SP100A | 237510 |
| 100 | 4     | SP100B | 237511 |
| 150 | 3     | SP150A | 237512 |
| 150 | 4     | SP150B | 237513 |
| 200 | 3     | SP200A | 237514 |
| 200 | 4     | SP200B | 237515 |
| 275 | 3     | SP275A | 237516 |
| 275 | 4     | SP275B | 237517 |
| 360 | 3     | SP360A | 237518 |
| 360 | 4     | SP360B | 237519 |
| 360 | 6     | SP360C | 237520 |
| 500 | 3     | SP500A | 237521 |
| 500 | 4     | SP500B | 237522 |
| 500 | 6     | SP500C | 237526 |

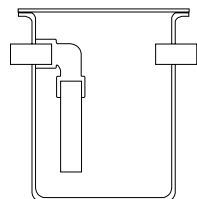
Standard Domed & HD Flat covers are not suitable for pedestrian traffic. Always use steel pedestrian covers. Neutraltanks are not rated for H-20 live loading. In areas requiring H20 loading, position the tank below a Department of Transportation approved manhole cover. Regular tanks and 700 to 2000 gallon cylindrical tanks are available on request.

## PRODUCT SELECTION CHART – NEUTRALIZATION TANKS

| Gallons | Inlet/<br>Outlet<br>Inches | Significant<br>Number | Product<br>Code |
|---------|----------------------------|-----------------------|-----------------|
|---------|----------------------------|-----------------------|-----------------|

| Inlet / Outlet | Tank Size |
|----------------|-----------|
|----------------|-----------|

### Polypro HD Bolted Flat Plain End

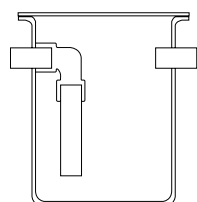


|     |       |           |        |
|-----|-------|-----------|--------|
| 7   | 1-1/2 | PPHDF005A | 237206 |
| 7   | 2     | PPHDF005B | 237207 |
| 15  | 2     | PPHDF015A | 237208 |
| 15  | 3     | PPHDF015B | 237209 |
| 30  | 2     | PPHDF030A | 237210 |
| 30  | 3     | PPHDF030B | 237213 |
| 30  | 4     | PPHDF030C | 237214 |
| 55  | 3     | PPHDF055A | 237215 |
| 55  | 4     | PPHDF055B | 237216 |
| 100 | 3     | PPHDF100A | 237218 |
| 100 | 4     | PPHDF100B | 237220 |
| 150 | 3     | PPHDF150A | 237224 |
| 150 | 4     | PPHDF150B | 237225 |
| 200 | 3     | PPHDF200A | 237226 |
| 200 | 4     | PPHDF200B | 237228 |
| 275 | 3     | PPHDF275A | 237230 |
| 275 | 4     | PPHDF275B | 237235 |
| 360 | 3     | PPHDF360A | 237236 |
| 360 | 4     | PPHDF360B | 237238 |
| 360 | 6     | PPHDF360C | 237239 |
| 500 | 3     | PPHDF500A | 237240 |
| 500 | 4     | PPHDF500B | 237245 |
| 500 | 6     | PPHDF500C | 237246 |

### Inlet / Outlet Tank Sizes & Connection Options

|                                       |                     |
|---------------------------------------|---------------------|
| 1-1/2" Plain End<br>MPT, FPT, Flanged | 5 gal to 55 gal     |
| 2" Plain End<br>MPT, FPT, Flanged     | 5 gal to 150 gal    |
| 3" Plain End<br>MPT, FPT, Flanged     | 15 gal to 500 gal   |
| 3" Flanged                            | 30 gal to 500 gal   |
| 4" Plain End<br>MPT, FPT, Flanged     | 30 gal to 2000 gal  |
| 6" Flanged                            | 360 gal to 2000 gal |

### Polypro Steel Pedestrian Plain End



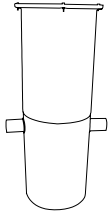
|     |       |          |        |
|-----|-------|----------|--------|
| 7   | 1-1/2 | PPSP005A | 237524 |
| 7   | 2     | PPSP005B | 237525 |
| 15  | 2     | PPSP015A | 237526 |
| 15  | 3     | PPSP015B | 237527 |
| 30  | 2     | PPSP030A | 237528 |
| 30  | 3     | PPSP030B | 237529 |
| 30  | 4     | PPSP030C | 237530 |
| 55  | 3     | PPSP055A | 237531 |
| 55  | 4     | PPSP055B | 237532 |
| 100 | 3     | PPSP100A | 237533 |
| 100 | 4     | PPSP100B | 237534 |
| 150 | 3     | PPSP150A | 237535 |
| 150 | 4     | PPSP150B | 237536 |
| 200 | 3     | PPSP200A | 237537 |
| 200 | 4     | PPSP200B | 237538 |
| 275 | 3     | PPSP275A | 237539 |
| 275 | 4     | PPSP275B | 237540 |
| 360 | 3     | PPSP360A | 237541 |
| 360 | 4     | PPSP360B | 237542 |
| 360 | 6     | PPSP360C | 237543 |
| 500 | 3     | PPSP500A | 237544 |
| 500 | 4     | PPSP500B | 237545 |
| 500 | 6     | PPSP500C | 237546 |

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## PRODUCT SELECTION CHART – NEUTRALIZATION TANKS

| Gallons | Ext Length<br>Inches | Significant<br>Number | Product<br>Code |
|---------|----------------------|-----------------------|-----------------|
|---------|----------------------|-----------------------|-----------------|

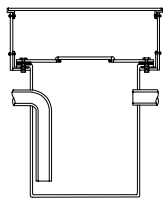
### HDPE Non-Adjustable Extension



|     |         |          |        |
|-----|---------|----------|--------|
| 5   | 6 to 9  | PEEXT005 | 237462 |
| 15  | 6 to 14 | PEEXT015 | 237463 |
| 30  | 6 to 24 | PEEXT030 | 237464 |
| 55  | 6 to 31 | PEEXT055 | 237465 |
| 100 | 6 to 35 | PEEXT100 | 237466 |
| 150 | 6 to 43 | PEEXT150 | 237467 |
| 200 | 6 to 43 | PEEXT200 | 237468 |
| 275 | 6 to 42 | PEEXT275 | 237469 |
| 360 | 6 to 42 | PEEXT360 | 237470 |
| 500 | 6 to 54 | PEEXT500 | 237471 |

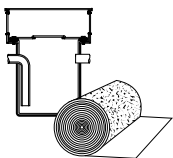
Polypro Non-Adjustable extensions are available upon request.

### Variable Extension (2" of Vertical Adjustment)



|     |         |          |        |
|-----|---------|----------|--------|
| 5/7 | 6 to 36 | ADEXT005 | 237454 |
| 15  | 6 to 36 | ADEXT015 | 237455 |
| 30  | 6 to 36 | ADEXT030 | 237456 |
| 55  | 6 to 36 | ADEXT055 | 237457 |
| 100 | 6 to 36 | ADEXT100 | 237458 |
| 150 | 6 to 36 | ADEXT150 | 237459 |
| 200 | 6 to 36 | ADEXT200 | 237460 |
| 275 | 6 to 36 | ADEXT275 | 237461 |

### FRP Overwrap

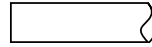


|     |   |         |        |
|-----|---|---------|--------|
| 5/7 | - | FRPO005 | 237440 |
| 15  | - | FRPO015 | 237441 |
| 30  | - | FRPO030 | 237442 |
| 55  | - | FRPO055 | 237443 |
| 100 | - | FRPO100 | 237444 |
| 150 | - | FRPO150 | 237445 |
| 200 | - | FRPO200 | 237446 |
| 275 | - | FRPO275 | 237447 |
| 360 | - | FRPO360 | 237448 |
| 500 | - | FRPO500 | 237449 |

FRP Overwrap is for tanks without extensions. Please contact IPEX for FRP overwrap pricing on tanks with non-adjustable extensions.

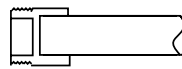
| Inlet/Outlet<br>Inches | Significant<br>Number | Product<br>Code |
|------------------------|-----------------------|-----------------|
|------------------------|-----------------------|-----------------|

### HDPE Plain End Vent



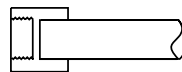
|       |        |        |
|-------|--------|--------|
| 1-1/2 | PEV150 | 237401 |
| 2     | PEV200 | 237402 |
| 3     | PEV300 | 237403 |
| 4     | PEV400 | 237404 |

### HDPE MPT Connection



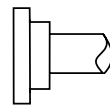
|       |         |        |
|-------|---------|--------|
| 1-1/2 | MPTC150 | 237421 |
| 2     | MPTC200 | 237422 |
| 3     | MPTC300 | 237423 |
| 4     | MPTC400 | 237424 |

### HDPE FPT Connection



|       |         |        |
|-------|---------|--------|
| 1-1/2 | FPTC150 | 237431 |
| 2     | FPTC200 | 237432 |
| 3     | FPTC300 | 237433 |
| 4     | FPTC400 | 237434 |

### HDPE Flange Connection



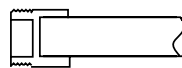
|       |        |        |
|-------|--------|--------|
| 1-1/2 | FLC150 | 237121 |
| 2     | FLC200 | 237131 |
| 3     | FLC300 | 237141 |
| 4     | FLC400 | 237142 |
| 6     | FLC600 | 237500 |

### PolyPro Plain End Vent



|       |         |        |
|-------|---------|--------|
| 1-1/2 | PEPP150 | 237109 |
| 2     | PEPP200 | 237110 |
| 3     | PEPP300 | 237113 |
| 4     | PEPP400 | 237114 |

### PolyPro MPT Connection



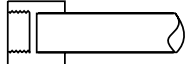
|       |          |        |
|-------|----------|--------|
| 1-1/2 | MPTPP150 | 237156 |
| 2     | MPTPP200 | 237157 |
| 3     | MPTPP300 | 237158 |
| 4     | MPTPP400 | 237159 |

Standard Domed & HD Flat covers are not suitable for pedestrian traffic. Always use steel pedestrian covers. Neutratanks are not rated for H-20 live loading. In areas requiring H20 loading, position the tank below a Department of Transportation approved manhole cover. Regular tanks and 700 to 2000 gallon cylindrical tanks are available on request.

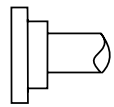
## PRODUCT SELECTION CHART – NEUTRALIZATION TANKS

| Inlet/Outlet Inches | Significant Number | Product Code |
|---------------------|--------------------|--------------|
|---------------------|--------------------|--------------|

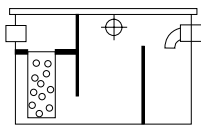
### PolyPro FPT Connection

|                                                                                   |       |          |        |
|-----------------------------------------------------------------------------------|-------|----------|--------|
|  | 1-1/2 | FPTPP150 | 237139 |
|                                                                                   | 2     | FPTPP200 | 237140 |
|                                                                                   | 3     | FPTPP300 | 237148 |
|                                                                                   | 4     | FPTPP400 | 237149 |

### PolyPro Flange Connection

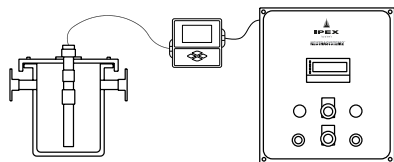
|                                                                                   |       |         |        |
|-----------------------------------------------------------------------------------|-------|---------|--------|
|  | 1-1/2 | FLPP150 | 237116 |
|                                                                                   | 2     | FLPP200 | 237118 |
|                                                                                   | 3     | FLPP300 | 237120 |
|                                                                                   | 4     | FLPP400 | 237138 |

### Solids Interceptor Tanks

|                                                                                    |                           |      |   |
|------------------------------------------------------------------------------------|---------------------------|------|---|
|  | 12 x 24 x 24 (14 Gallons) | SI14 | - |
|                                                                                    | 18 x 24 x 24 (44 Gallons) | SI44 | - |
|                                                                                    | 24 x 24 x 30 (75 Gallons) | SI75 | - |

### Neutrasystem pH Monitoring & Recording System

|                                          |        |        |
|------------------------------------------|--------|--------|
| pH Monitor w/ Tank & Alarm               | TPH501 | 237371 |
| pH Monitor w/ Tank & Alarm & Data Logger | TPH502 | 237331 |



| Inlet/Outlet Inches | Significant Number | Product Code |
|---------------------|--------------------|--------------|
|---------------------|--------------------|--------------|

### Threaded Manway

|                                                                                   |    |        |        |
|-----------------------------------------------------------------------------------|----|--------|--------|
|  | 8  | TMW008 | 237450 |
|                                                                                   | 16 | TMW016 | 237451 |
|                                                                                   | 22 | TMW022 | 237452 |

### Neutralizing Agent Limestone Bags

|        |      |        |
|--------|------|--------|
| 50 lbs | TC50 | 237321 |
|--------|------|--------|

NOTE: F.O.B. - Shipping Location

| Tank Size | Loading (lbs.) |
|-----------|----------------|
|-----------|----------------|

### Limestone Loading Guide for Neutralization

|      |       |
|------|-------|
| 5    | 50    |
| 15   | 125   |
| 30   | 250   |
| 55   | 500   |
| 100  | 1000  |
| 150  | 1500  |
| 200  | 2000  |
| 275  | 2500  |
| 360  | 3500  |
| 500  | 5250  |
| 700  | 8000  |
| 1000 | 10000 |
| 1250 | 12000 |
| 2000 | 18000 |

Standard Domed & HD Flat covers are not suitable for pedestrian traffic. Always use steel pedestrian covers. Neutratanks are not rated for H-20 live loading. In areas requiring H2O loading, position the tank below a Department of Transportation approved manhole cover. Regular tanks and 700 to 2000 gallon cylindrical tanks are available on request.

# NEUTRASYSTEM 2™ PH MONITORING SYSTEM

## NEUTRASYSTEM2™

Neutrasystem 2 ensures that discharges into the sewer are maintained within acceptable pH parameters by neutralizing the acidic waste with limestone chips. The system continuously samples the downstream flow while keeping an accurate, permanent record of pH discharge levels (optional). The monitoring device will warn maintenance personnel, (visually and audibly), when pH discharges outside acceptable parameters are sensed. Once alerted, maintenance personnel can quickly and easily recharge the main IPEX Neutratanke with limestone chips through the access cover incorporated into the tank's design.

The system incorporates the following features:

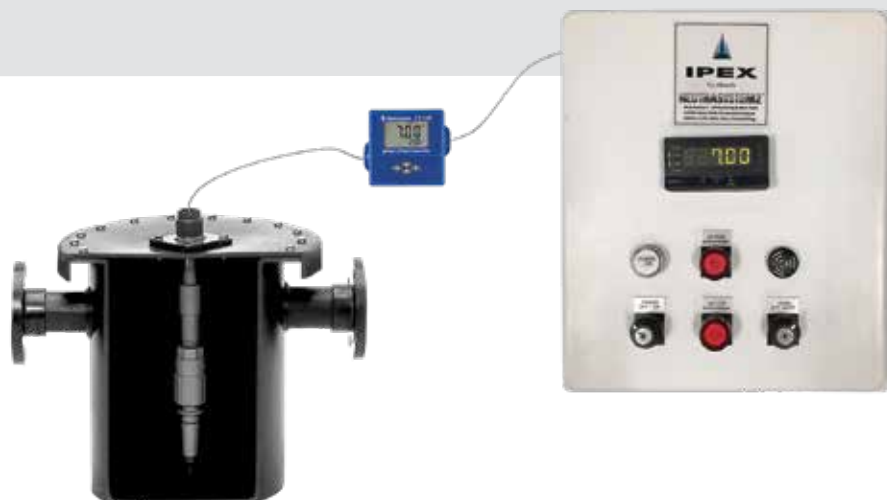
### pH MONITORING, RECORDING AND ALARM SYSTEM

- UL 508 Listed, NEMA 4X enclosure with hinged front, padlockable hasps, and wall mount flange
- 110/120 VAC input power supply (1.2fA) with 2 amp fuse with blown fuse indicator and resettable GFCI.
- Key lock off-on switch on door.
- Control power has 2 amp fuse with blown fuse indicator (24VDC class 2).
- Intermittent alarm horn, (sonalert type), and alarm silencing switch. The alarm horn is activated when the probe senses a pH above or below the set parameters, and will remain on until the alarm silencing switch is activated.
- Ethernet output for pH level and alarm in current time. (optional)
- Data logger to record pH values with date and time (optional)
- Large 4 digit pH value display with operator buttons for alarm settings (High pH value, Low pH value to energize the alarm)
- "Power ON" white LED pilot light.
- "pH HIGH Alarm" LED red light/ button to press to acknowledge.
- "pH LOW Alarm" LED red light/ button to press to acknowledge.
- Series 6510 submersible, pH electrode with chemically resistant CPVC body, viton O-rings and twist- lock connection providing easy maintenance
- 5-gallon high density polyethylene, one-piece construction, rotationally molded sample tank.



### INFORMATION

For detailed Operating, Maintenance and Calibration Procedures for Neutrasystem 2, please contact IPEX.



IPEX Neutrasystem 2 uses a CPVC submersible electrode (sensor) with automatic temperature compensation. The sensor has a flat surface junction to minimize fouling. The reference is sealed to minimize dryout and eliminate refilling solution. The sensor is connected to a preamplifier via a 1/4 turn quick disconnect. The preamplifier has an attached cable (25') and comes preattached to the pH calibrator that can be mounted near the tank (wall mount plate attached; other mounting options available with included hardware: pipe mount, DIN rail mount, panel mount).



## PH ELECTRODE

### Storage

The pH electrode is shipped in a soaker bottle containing a solution of pH 4 buffer and potassium chloride. The electrode should remain in the bottle until it is ready to use. If the electrode is used infrequently, the cap, bottle and solution should be saved and the electrode stored in it. Store the pH electrode in a pH 4 buffer solution if the soaking solution is discarded. Do not use distilled or deionized water as this will drastically reduce the electrode lifespan. Remove the cap and o-ring on the soaker bottle before use.

### Maintenance

pH electrodes have a thin glass surface. Care should be taken so that the glass does not become scratched or broken. After exposure to a sample, buffer or rinse solution, carryover can be minimized by blotting – never by wiping – the electrode with a clean, non-abrasive paper or a clean cloth towel. Do not use a brush on pH glass. As a rinse solution, use a part of the next sample or buffer which is to be measured. This action will also minimize contamination from carryover.

### Replacement

All pH electrodes age with time. Aging is characterized by shortened span and slower speed of response. Electrodes should be replaced when their readings cannot be corrected by the meter's controls and/or when their speed of response is too slow for the application for which they are being used. The frequency of electrode replacement is a function of the application; electrodes operating in hot liquids at very high or very low pH values will have shorter lives than those operating at neutral pH and ambient temperature. Coatings on an electrode's surface prevent new liquids from contacting an electrode's measuring surface and can mimic the effects of electrode aging. Before concluding that an electrode needs replacing, check its surface for coatings.

### Calibration

The frequency of calibration is solely the responsibility of the user. At a new installation, calibration might be checked every few hours or shift, with the calibration changes noted in a log. As a pattern of longer stability is found, the time between calibration checks can

be increased to once a day or once a week. Once a week is the longest recommended interval between calibrations.

- The pH electrode and pH controller should always be calibrated as a system.
- Only buffer solutions of 4, 7 and 10 are acceptable.
- Before placing the electrode in a new buffer, use an absorbent paper towel or clean absorbent cloth to blot – not wipe – off any liquid that clings to the electrode. This action will minimize carryover that could contaminate the buffer.
- Always use fresh buffers. Safely dispose of the buffers after they have been used for calibration. Do not return them to their bottles. This action could contaminate the buffers.
- Stir the electrode in the buffer to make sure that the fresh buffer quickly reaches the electrode's measuring surface.
- Allow time for the reading to stabilize. In general, with new electrodes, stable readings in the buffer solution are obtained in 10–15 seconds.

### Cleaning

Coating of an electrode's measuring surface can lead to incorrect readings, including shortened span and slower response times. The type of coating determines the type of cleaning technique. When using chemicals or solvents, care should be taken and appropriate eye, face, hand and/or respiratory protection should be used.

Soft Coatings can be removed by vigorous stirring, by use of a squirt bottle or, very carefully, by gently wiping with a soft, clean non-abrasive paper or cloth. Do not use any brush or abrasive cleaner on pH glass.

Hard Coatings should be chemically removed. The chemical used to remove the coating should be the least harsh chemical that dissolves the coating in one or two minutes and does not attack the electrode's material of construction.

Oily or Organic Coatings are best removed with detergents or an appropriate solvent that does not attack the electrode's material of construction.

IPEX offers two compressed air systems designed to meet the requirements of a wide range of applications.

When you specify a high-performance piping systems from IPEX, you get the added benefits of a complete piping solution that is engineered for total integration, and backed by comprehensive, coast-to-coast support – all from one reliable source.

# COMPRESSED AIR SYSTEMS



Duraplus Airline

126

Duratec Airline

132

# DURAPLUS AIR-LINE SYSTEM

1/2" – 4" (20mm – 110mm)



Compressed air, a major source of industrial energy, is being used increasingly in both the manufacturing and processing industries. There, its distinct advantages of cleanliness, flexibility, safety and economy of use (compared with other energy sources) are fully exploited.

Modern process equipment, pneumatic controls and instrumentation demand a supply of clean, uncontaminated air and this has prompted the development in recent years of more advanced designs of compressors and ancillary equipment.

Duraplus Air-Line is manufactured from a specially formulated Acrylonitrile Butadiene Styrene (ABS) blend that has a high performance co-extruded liner which greatly enhances its mechanical and chemical properties. Duraplus fittings are manufactured using an alloy blend of ABS and the liner material, ensuring high performance of the whole system.

## APPLICATIONS

- Plant air
- Valve actuation
- Ventilation

## STANDARDS



ASTM D2282

## ADVANTAGES

- 1 Safety**  
The Butadiene component of Duraplus Air-Line contributes resistance to accidental damage and prevents material fracture should the pipe be subjected to severe impact. Duraplus has been designed and tested to withstand impact for a large range of temperatures and has a design life of 30 years with a factor of safety of 2:1.
- 2 Wide Range of Applications**  
The advanced liner and ABS material combination protects against stray chemicals which may sometimes cause problems for ordinary systems. Duraplus Air-Line is now compatible with even more compressor lubricants.
- 3 Low Installation Costs**  
Duraplus Air-Line pipe reduces costs on a typical installation not only for materials but also for labor and transportation costs when compared to traditional materials. The reason? Its lightweight construction and simple assembly procedures. Like all thermoplastics, Duraplus is easily handled, stored, cut, joined and installed. As a result, project costs for installed Duraplus systems are significantly lower. Requirements for heavy installation equipment are also eliminated.
- 4 Clean**  
Duraplus products are packaged to protect the surface finish of the pipe and fittings and to prevent contamination before use. The smooth liner of Duraplus Air-Line cannot rust, corrode or form loose scale, ensuring air remains clean throughout the life of the system.
- 5 Smooth Interior**  
Less friction means lower pressure drops and higher flow rates allowing for smaller pipe diameters to be used in some cases.
- 6 Ease of Use**  
Duraplus Air-Line is one sixth the weight of steel and can be joined by solvent welding for easy on-site modifications and repairs without requiring special training or equipment.
- 7 Leak Free System**  
Correctly made solvent welded joints are leak free and can greatly reduce running costs.
- 8 Metric Sized & Color Coded**  
Duraplus Air-Line is metric sized to prevent mixing with I.P.S. sized PVC and CPVC pipe. Also the Duraplus Airline is color coded blue to comply with the ISO standards for compressed air products.
- 9 Proven**  
From manufacturing to the marketplace, Duraplus Air-Line is supported by the technical experience gained through over 30 years of thermoplastic pressure piping production. Both raw material and finished Air-Line products are subjected to rigorous tests, including aging, weathering and stressed environmental tests, to ensure complete system integrity over the designed operating life.





## DID YOU KNOW?

Duraplus Air-Line is corrosion-resistant and features metal-to-ABS special adapter fittings, single and multi-port wall brackets, high-efficiency dropper bends and blue color-coding for easy identification.

### SHORT FORM SPECIFICATIONS

#### GENERAL

Duraplus ABS Air-Line is designed for industrial compressed air pipe applications where the extremely high-impact resistance and ductility of the material offers some insurance against internal and external shock loadings and site abuse conditions. Its unique combination of ABS properties –non-toxicity, purity, corrosion- and chemical-resistance, toughness, low-hydraulic resistance, and the ability to perform over a wide temperature range 40°F – 120°F (4°C – 49°C), ensures excellent in-service performance and system life.

#### MATERIAL SPECIFICATIONS

Pipe shall be manufactured from an Acrylonitrile Butadiene Styrene (ABS) blend, with a co-extruded liner. Fitting shall be manufactured from an ABS blend.

Material for both pipe and fittings shall be designed with a 2 to 1 safety factor for a 30 year lifespan when operated under continuous pressure. Pipe and fittings are capable of withstanding a continuous working pressure of 185 psi at 73°F (1275 kPa at 23°C) in accordance with ASTM D2282 and carry a DIN 4102-B2 fire rating.

The material shall have an izod impact resistance value of no less than 8.5 ft.lb/in at 73°F when tested in accordance with ASTM D256, method 'A'. Pipe bore contains a co-extruded liner and fittings are manufactured using an alloy blend of ABS and the liner material.

#### PIPE

Pipes shall be designed in metric sizes that comply with the dimensional requirements of DIN 8062, and ISO 161/1.

#### FITTINGS

Fittings shall be of the socket type, designed for solvent welding as supplied by IPEX.

Fittings shall be designed and manufactured to withstand the continuous pressures applicable to the maximum pressure rating of the pipe. The sockets and fittings shall have a 0° 30' taper, the diameter decreasing from the mouth to the root.

#### BALL VALVES – VKD

The valve body, stem, ball and unions shall be made of Duraplus® ABS compound which shall meet or exceed the requirements of cell classification 43234 according to ASTM D3965.

Ball valves shall be double-blocking type with o-ring cushions under the PTFE seats, in-line micro adjustment capability and incorporate a spanner wrench in the handle.

#### BUTTERFLY VALVES – FK

The valve body shall be made of glass reinforced polypropylene (GRPP) obtained from homopolymer polypropylene (PPH).

The valve disc shall be made of ABS compound.

All butterfly valves shall have non wetted stainless steel shafts and a wafer or lug design with ANSI 150 flange connections. The liner shall completely isolate the valve body from the process flow and act as a flange gasket on both sides of the valve.

#### SOLVENT CEMENT

All joints shall be made with Blue Duraplus Air-Line ABS solvent cement as supplied by IPEX. The solvent cement shall be designed to withstand continuous applied pressures up to 185 psi at 73°F.

#### DESIGN AND INSTALLATION

The design and installation of ABS pressure systems shall be performed in accordance with the recommendations detailed in the Handling and Installation section of this manual and in local and national regulations where applicable. To ensure the full integrity of the completed system, all components shall be supplied by IPEX.



## PRODUCT SELECTION CHART – DURAPLUS AIRLINE

| Dimension | inches | mm | Significant Number | Product Code |
|-----------|--------|----|--------------------|--------------|
|           |        |    |                    |              |

### Pipe – 16.4 ft lengths



|       |     |        |        |
|-------|-----|--------|--------|
| 1/2   | 20  | 554306 | 446045 |
| 3/4   | 25  | 554307 | 446046 |
| 1     | 32  | 554308 | 446047 |
| 1-1/2 | 50  | 554310 | 446048 |
| 2     | 63  | 554311 | 446049 |
| 3     | 90  | 554313 | 446050 |
| 4     | 100 | 554314 | 446051 |

### Dropper Bend Sp



|     |    |        |        |
|-----|----|--------|--------|
| 1/2 | 20 | 312306 | 437259 |
| 3/4 | 25 | 312307 | 437260 |
| 1   | 32 | 312308 | 437261 |

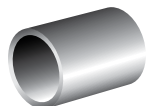
### Cobra Pipe Clip



|       |     |        |        |
|-------|-----|--------|--------|
| 1/2   | 20  | 434306 | 437341 |
| 3/4   | 25  | 434307 | 437342 |
| 1     | 32  | 434308 | 437343 |
| 1-1/2 | 50  | 434310 | 437345 |
| 2     | 63  | 434311 | 437346 |
| 3     | 90  | 434313 | 437348 |
| 4     | 110 | 434314 | 437349 |
| 6     | –   | 434317 | 437432 |

Note: 1/2", 3/4" and 1" pipe clips are supplied without retaining

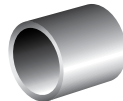
### Coupling Soc



|       |     |        |        |
|-------|-----|--------|--------|
| 1/2   | 20  | 100306 | 437026 |
| 3/4   | 25  | 100307 | 437027 |
| 1     | 32  | 100308 | 437028 |
| 1-1/2 | 50  | 100310 | 437029 |
| 2     | 63  | 100311 | 437030 |
| 3     | 90  | 100313 | 437032 |
| 4     | 110 | 100314 | 437033 |

| Dimension | inches | mm | Significant Number | Product Code |
|-----------|--------|----|--------------------|--------------|
|           |        |    |                    |              |

### Imperial/Metric Socket Adapter Soc x Soc (gray ABS)



|            |        |        |
|------------|--------|--------|
| 1/2 x 20   | 345102 | 337371 |
| 3/4 x 25   | 345103 | 337372 |
| 1 x 32     | 345104 | 337373 |
| 1-1/2 x 50 | 345106 | 337374 |
| 2 x 63     | 345107 | 337375 |
| 3 x 90     | 345109 | 337376 |
| 4 x 110    | 345110 | 337377 |

### 90° Elbow Soc



|       |     |        |        |
|-------|-----|--------|--------|
| 1/2   | 20  | 115306 | 437111 |
| 3/4   | 25  | 115307 | 437112 |
| 1     | 32  | 115308 | 437113 |
| 1-1/2 | 50  | 115310 | 437114 |
| 2     | 63  | 115311 | 437115 |
| 3     | 90  | 115313 | 437117 |
| 4     | 110 | 115314 | 437118 |

### 45° Elbow Soc



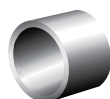
|       |     |        |        |
|-------|-----|--------|--------|
| 1/2   | 20  | 119306 | 437128 |
| 3/4   | 25  | 119307 | 437129 |
| 1     | 32  | 119308 | 437130 |
| 1-1/2 | 50  | 119310 | 437131 |
| 2     | 63  | 119311 | 437132 |
| 3     | 90  | 119313 | 437134 |
| 4     | 110 | 119314 | 437135 |

### 90° Bend Soc



|       |     |        |        |
|-------|-----|--------|--------|
| 3/4   | 25  | 118307 | 437120 |
| 1     | 32  | 118308 | 437121 |
| 1-1/2 | 50  | 118310 | 437122 |
| 2     | 63  | 118311 | 437123 |
| 3     | 90  | 118313 | 437125 |
| 4     | 110 | 118314 | 437126 |

### Cap Soc



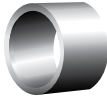
|       |       |        |        |
|-------|-------|--------|--------|
| 1/2   | 1/2   | 149306 | 437192 |
| 3/4   | 3/4   | 149307 | 437193 |
| 1     | 1     | 149308 | 437194 |
| 1-1/2 | 1-1/2 | 149310 | 437195 |
| 2     | 2     | 149311 | 437196 |
| 3     | 3     | 149313 | 437198 |
| 4     | 4     | 149314 | 337001 |

Certain compressor and lubricant oils will damage your Duraplus Air-Line installation.  
Before using any oils in the system contact IPEX to obtain a list of recommended oils or to confirm individual oil suitability.

## PRODUCT SELECTION CHART – DURAPLUS AIRLINE

|                                                                                   | Dimension |     | Significant Number | Product Code |
|-----------------------------------------------------------------------------------|-----------|-----|--------------------|--------------|
|                                                                                   | inches    | mm  |                    |              |
|  | 1/2       | 20  | 122306             | 437151       |
|                                                                                   | 3/4       | 25  | 122307             | 437152       |
|                                                                                   | 1         | 32  | 122308             | 437153       |
|                                                                                   | 1-1/2     | 50  | 122310             | 437154       |
|                                                                                   | 2         | 63  | 122311             | 437155       |
|                                                                                   | 3         | 90  | 122313             | 437157       |
|                                                                                   | 4         | 110 | 122314             | 437158       |

|                                                                                   |                   |         |        |        |
|-----------------------------------------------------------------------------------|-------------------|---------|--------|--------|
|  | Tee – Reducer Soc |         |        |        |
|                                                                                   | 3/4 x 1/2         | 25 x 20 | 124415 | 437161 |
|                                                                                   | 1 x 1/2           | 32 x 20 | 124418 | 437163 |
|                                                                                   | 1 x 3/4           | 32 x 25 | 124419 | 437164 |
|                                                                                   | 1-1/2 x 1/2       | 50 x 20 | 124424 | 437166 |
|                                                                                   | 1-1/2 x 3/4       | 50 x 25 | 124425 | 437167 |
|                                                                                   | 1-1/2 x 1         | 50 x 32 | 124426 | 437168 |
|                                                                                   | 2 x 3/4           | 63 x 25 | 124429 | 437169 |
|                                                                                   | 2 x 1             | 63 x 32 | 124430 | 437170 |
|                                                                                   | 2 x 1-1/2         | 63 x 50 | 124432 | 437171 |

|                                                                                     |                     |          |        |        |
|-------------------------------------------------------------------------------------|---------------------|----------|--------|--------|
|  | Reducer Bushing Soc |          |        |        |
|                                                                                     | 3/4 x 1/2           | 25 x 20  | 109415 | 437051 |
|                                                                                     | 1 x 3/4             | 32 x 25  | 109419 | 437053 |
|                                                                                     | 1-1/2 x 1/2         | 50 x 20  | 109424 | 437055 |
|                                                                                     | 1-1/2 x 3/4         | 50 x 25  | 109425 | 437056 |
|                                                                                     | 1-1/2 x 1           | 50 x 32  | 109426 | 437057 |
|                                                                                     | 2 x 3/4             | 63 x 25  | 109429 | 437059 |
|                                                                                     | 2 x 1               | 63 x 32  | 109430 | 437060 |
|                                                                                     | 2 x 1-1/2           | 63 x 50  | 109432 | 437061 |
|                                                                                     | 3 x 1-1/2           | 90 x 50  | 109442 | 437062 |
|                                                                                     | 3 x 2               | 90 x 63  | 109443 | 437063 |
|                                                                                     | 4 x 2               | 110 x 63 | 109449 | 437065 |
|                                                                                     | 4 x 3               | 110 x 90 | 109451 | 437066 |

|                                                                                     |              |    |        |        |
|-------------------------------------------------------------------------------------|--------------|----|--------|--------|
|  | Socket Union |    |        |        |
|                                                                                     | 1/2          | 20 | 205306 | 437234 |
|                                                                                     | 3/4          | 25 | 205307 | 437235 |
|                                                                                     | 1            | 32 | 205308 | 437236 |
|                                                                                     | 1-1/2        | 50 | 205310 | 437237 |
|                                                                                     | 2            | 63 | 205311 | 437238 |

|                                                                                   | Dimension                     |              | Significant Number | Product Code |
|-----------------------------------------------------------------------------------|-------------------------------|--------------|--------------------|--------------|
|                                                                                   | inches                        | mm           |                    |              |
|  | Reducer Coupling Sp Soc x Soc |              |                    |              |
|                                                                                   | 1 x 3/4 x 1/2                 | 32 x 25 x 20 | 114415             | 437103       |
|                                                                                   | 1-1/2 x 1-1/4 x 1             | 50 x 40 x 32 | 114423             | 437105       |
|                                                                                   | 3 x 2-1/2 x 2                 | 90 x 75 x 63 | 114438             | 437108       |
|                                                                                   |                               |              |                    |              |
|                                                                                   | Dimension                     |              | Significant Number | Product Code |
|                                                                                   | inches                        | mm           |                    |              |

|                                                                                   |                 |     |        |        |
|-----------------------------------------------------------------------------------|-----------------|-----|--------|--------|
|  | Flange Stub Soc |     |        |        |
|                                                                                   | 1               | 32  | 135308 | 437181 |
|                                                                                   | 1-1/2           | 50  | 135310 | 437182 |
|                                                                                   | 2               | 63  | 135311 | 437183 |
|                                                                                   | 3               | 90  | 135313 | 437185 |
|                                                                                   | 4               | 110 | 135314 | 437186 |

Note: A metal backing ring must be used with this flange.

|                                                                                     |                            |     |        |        |
|-------------------------------------------------------------------------------------|----------------------------|-----|--------|--------|
|  | Gasket Soc (flat neoprene) |     |        |        |
|                                                                                     | 1/2                        | 32  | 411308 | 437325 |
|                                                                                     | 1-1/2                      | 50  | 411310 | 437326 |
|                                                                                     | 2                          | 63  | 411311 | 437327 |
|                                                                                     | 3                          | 90  | 411313 | 437329 |
|                                                                                     | 4                          | 110 | 411314 | 437330 |

|                                                                                     |                           |     |        |        |
|-------------------------------------------------------------------------------------|---------------------------|-----|--------|--------|
|  | Backing Ring (Galv. M.S.) |     |        |        |
|                                                                                     | 1                         | 32  | 416308 | 437331 |
|                                                                                     | 1-1/2                     | 50  | 425106 | 337430 |
|                                                                                     | 2                         | 63  | 425107 | 337431 |
|                                                                                     | 3                         | 90  | 425109 | 337433 |
|                                                                                     | 4                         | 110 | 425110 | 337434 |

Note: For use with flanges

|                                                                                     |                           |     |        |        |
|-------------------------------------------------------------------------------------|---------------------------|-----|--------|--------|
|  | Flange - Blind (gray ABS) |     |        |        |
|                                                                                     | 3                         | 90  | 325109 | 337364 |
|                                                                                     | 4                         | 110 | 325110 | 337365 |

Note: A backing ring must be used with this flange.

Certain compressor and lubricant oils will damage your Duraplus Air-Line installation.  
Before using any oils in the system contact IPEX to obtain a list of recommended oils or to confirm individual oil suitability

## PRODUCT SELECTION CHART – DURAPLUS AIRLINE

|  | Dimension |    | Significant Number | Product Code |
|--|-----------|----|--------------------|--------------|
|  | inches    | mm |                    |              |

### Female Adapter Soc x Female Thread



|           |          |        |        |
|-----------|----------|--------|--------|
| 1/2 x 1/2 | 20 x 1/2 | 101306 | 437034 |
| 3/4 x 3/4 | 25 x 3/4 | 101307 | 437035 |
| 1 x 1     | 32 x 1   | 101308 | 437036 |

### Female Adapter Sp x Female Thread



|               |            |        |        |
|---------------|------------|--------|--------|
| 1-1/2 x 1-1/2 | 50 x 1-1/2 | 153341 | 437231 |
| 2 x 2         | 63 x 2     | 153343 | 437232 |

### Plug Male Thread



|     |   |        |        |
|-----|---|--------|--------|
| 1/2 | – | 155102 | 337264 |
| 3/4 | – | 155103 | 337265 |

### Wall Bracket Soc x Female Thread (Brass body)



|           |          |        |        |
|-----------|----------|--------|--------|
| 1/2 x 1/2 | 20 x 1/2 | 422327 | 437335 |
| 3/4 x 1/2 | 25 x 1/2 | 422328 | 437336 |
| 3/4 x 3/4 | 25 x 3/4 | 422329 | 437337 |

### Wall Bracket Multiport



|           |   |        |        |
|-----------|---|--------|--------|
| 3/4 x 1/2 | – | 429122 | 437338 |
|-----------|---|--------|--------|

Inlet – 3/4" male thread.  
Outlet – 1/2" female

### Butterfly Valve – FK Manual, EPDM Seals – Glass filled PP Body



|   |   |        |        |
|---|---|--------|--------|
| 2 | – | 680107 | 337651 |
| 3 | – | 680109 | 337652 |
| 4 | – | 680110 | 337653 |

### Composite Union Soc x MPT (Air-line to Brass)



|               |            |        |        |
|---------------|------------|--------|--------|
| 1/2 x 1/2     | 20 x 1/2   | 217306 | 437247 |
| 3/4 x 3/4     | 25 x 3/4   | 217307 | 437248 |
| 1 x 1         | 32 x 1     | 217308 | 437249 |
| 1-1/2 x 1-1/2 | 50 x 1-1/2 | 217310 | 437250 |
| 2 x 2         | 63 x 2     | 217311 | 437251 |

|  | Dimension |    | Significant Number | Product Code |
|--|-----------|----|--------------------|--------------|
|  | inches    | mm |                    |              |

### True Union Ball Valve Soc 230psi at 73°F EPDM Seals



|         |    |        |        |
|---------|----|--------|--------|
| * 1/2   | 20 | 882306 | 437451 |
| * 3/4   | 25 | 882307 | 437452 |
| * 1     | 32 | 882308 | 437453 |
| * 1-1/2 | 50 | 882310 | 437454 |
| * 2     | 63 | 882311 | 437455 |

\*Valves are supplied in Grey ABS

### End Connectors



|       |    |        |        |
|-------|----|--------|--------|
| 1/2   | 20 | 882312 | 437446 |
| 3/4   | 25 | 882313 | 437447 |
| 1     | 32 | 882314 | 437448 |
| 1-1/2 | 50 | 882315 | 437449 |
| 2     | 63 | 882316 | 437450 |

| Quantity | Significant Number | Product Code |
|----------|--------------------|--------------|
|----------|--------------------|--------------|

### Air-Line Solvent Cement



|         |        |        |
|---------|--------|--------|
| 1 pint  | 461390 | 437354 |
| 1 quart | 461391 | 437355 |

### MEK Cleaner



|         |        |        |
|---------|--------|--------|
| 1 pint  | 461397 | 337468 |
| 1 quart | 461398 | 337469 |

### Joints

An indication of the number of joints likely to be made per quart of Duraplus® cement is as follows (it is recommended that MEK cleaner orders equals one-half the quantity of solvent cement required).

| Pipe Size |         | Number of Joints |
|-----------|---------|------------------|
| inches    | mm      |                  |
| 3/8 – 1   | 20 – 32 | 290              |
| 1-1/4 – 2 | 50 – 63 | 144              |
| 3         | 75 – 90 | 48               |
| 4         | 110     | 32               |

Certain compressor and lubricant oils will damage your Duraplus Air-Line installation.  
Before using any oils in the system contact IPEX to obtain a list of recommended oils or to confirm individual oil suitability.

# Compressed Air



## Your Compressed Air System for the 21st Century

When your plant's compressed air system leaks, more than just air is getting out. You're losing money in the form of wasted energy, wear and tear on your compressors and increased operating and maintenance costs. Duratec® Airline, a unique time and money-saving piping system, is designed to reduce leaks and costs.

A tough piping system that meets ASME codes and OSHA safety requirements, Duratec Airline requires less time, labor and money to install and maintain than traditional systems. Its

long, lightweight coils cut down on the number of potential leak points in your system. Duratec fittings are quick and easy to install and feature double O-ring seals that ensure maximum joint integrity.



Duratec requires no special tools or installation training and eliminates the need for soldering and threading. And because Duratec is so quickly and easily installed, modified, and adapted to existing metal systems, it can reduce your plant's downtime. So stop your compressed air system's

problems before they become big news — Install Duratec.

# DURATEC AIRLINE SYSTEMS

1/2" - 1"

## Duratec®

Duratec is an innovative compressed air and inert gas distribution system designed to be absolutely leak-proof, installed quickly and easily, and maintained cost-effectively. As a result, Duratec saves you time and money.

Traditional metallic compressed air systems are a main cause of unnecessary energy use, excessive wear and tear on compressors and high consumption of compressor oils and filters. The culprits? Corrosion and leakage at pipe joints and fitting connections which often go undetected until they're discovered during a detailed compressed air system audit.

Duratec pipe comes in long 100 foot or 300 foot coils, which significantly reduces the number of joints in your system. Duratec fittings feature unique double o-ring seals to ensure long-term joint integrity. And the entire Duratec system can be easily and quickly installed, modified or expanded without the need for specialized equipment.



### DID YOU KNOW?

To make designing, sizing and installing a Duratec compressed air system easy, IPEX offers comprehensive reference tools, such as our Duratec Technical Manual. To download this manual visit our website at [www.ipexna.com](http://www.ipexna.com).



### QUICK INSTALLATION

Cutting and joining Duratec is fast and simple.

1. Cut pipe square using plastic pipe cutter.
2. Slide nut and split ring over pipe and bevel the inside of the pipe by inserting then rotating the beveling tool.
3. Push the fitting into the pipe.
4. Turn the nut finger tight plus one full turn with a wrench.



### APPLICATIONS

- Plant air
- Inert gas distribution
- Manufacturing hand tool operation
- Manual & automated welding operations
- Semi-conductor tool hook up
- Valve actuation – control systems
- Microbulk inert gas delivery systems
- Robotic installations

### STANDARDS



CSA B51, B137.9    ASTM 1974  
ASME B31.3, B31.9    FDA Compliant  
ANSI / ASTM F1282  
National CRN 0A02020.2CL (Fittings)  
National CRN 0C02020.2CL (Ball Valves)  
(Some fittings do not have CRN registration.  
Contact IPEX Inc. for details.)

Certified to OSHA Safety Regulations

PE-RT  
Aluminum  
PE-RT



## ADVANTAGES

- 1 Low Installation Costs**  
Duratec reduces costs on a typical installation not only for materials but also for labour and transportation costs when compared to traditional materials. How? Duratec's lightweight construction and simple assembly procedures.
- 2 Ease of Handling**  
Duratec is 75% lighter than the equivalent diameter of copper and SCH 40 carbon steel.
- 3 Quick Removable Connections**  
Threading is not required. All joints have double o-ring seals and can be quickly assembled or disassembled. Easy on-site modifications and repairs can be made.
- 4 Quick Installation**  
No special training or equipment is required to complete a Duratec system.
- 5 Clean**  
All Duratec pipe is packaged in cardboard boxes preventing contamination before use. The smooth PE-RT (polyethylene of raised temperature) inner layer cannot rust, corrode or form loose scale. Clean air remains clean throughout the life of the system.
- 6 Flexible Yet Rigid**  
Due to its composite structure, Duratec pipe can be easily bent by hand and will maintain its desired shape. This unique feature allows for straight, professional looking installation and eliminates sagging.
- 7 Lower Operating Costs**  
Due to Duratec's advantages over metal systems, it costs you less time, labour and money to keep a Duratec system in optimal condition.
- 8 Pressure loss means money loss**  
Metal systems can lose pressure due to pin-hole leaks and leakage at connections, all of which result in increased energy costs. Duratec's high-quality construction, on the other hand, guarantees consistent pressure for years to come.
- 9 Smooth Interior**  
Less friction means lower pressure drops and higher flow rates. This may allow for smaller pipe sizes to be used.
- 10 Extended Life**  
Duratec is designed not to rust, scale or pit. Once properly selected for the application and correctly installed, Duratec Airline Systems will provide years of maintenance-free service.
- 11 Corrosion Resistant**  
Duratec's tough outer PE-RT (polyethylene of raised temperature) layer protects it against corrosion and deterioration and ensures long service life even in the most aggressive manufacturing environments. Its inner PE-RT layer is unaffected by inert gases and commonly-used compressor oils. Combined with its industrial nickel-plated Duratec fittings, the system provides long-term performance superior to metal piping systems.
- 12 Fewer Fittings**  
Duratec pipe comes in convenient 100 ft. and 300 ft. coils eliminating several joints and the need for threading, or soldering.
- 13 Safe**  
Duratec's unique composite construction means that accidental impact or puncture of the pipe results in a safe, ductile mode of failure. Duratec pipe has been third-party tested and certified to stringent OSHA safety requirements for compressed air systems, standards that guarantee safety comes first.
- 14 Performance**  
IPEX engineered Duratec pipe and fittings to provide top-notch performance. Rated for long term continuous operating pressures of 200psi at 73°F and 160psi at 140°F, Duratec pipe and fitting assemblies are also capable of sustaining quick burst pressures in excess of 800psi. This built-in safety factor ensures system performance and provides peace of mind for designers and facility managers.

## SHORT FORM SPECIFICATIONS

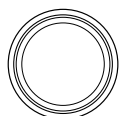
All compressed air and inert gas pipe in sizes 1" and smaller shall be PE-AL-PE composite pipe made with high density polyethylene and aluminum conforming to ASTM F1282 and CSA B137.9. PE-AL-PE pipe shall meet the health and safety requirements of OSHA.

All compressed air and inert gas fittings in sizes 1" and smaller shall be nickel plated brass or 316 stainless steel and shall conform to the dimensional and physical requirements of ASTM F1974 and CSA B137.9. All pipe, fittings and accessories shall be Duratec Air-Line as manufactured by IPEX.

## PRODUCT SELECTION CHART – DURATEC AIRLINE

| Dimension<br>inches | Product<br>Code | Coil Length<br>feet |
|---------------------|-----------------|---------------------|
|---------------------|-----------------|---------------------|

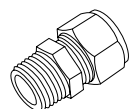
PE-RT-AL-PE-RT 200 psi @ 73°F, 160 psi @ 2140°F, ASTM F1282



|     |        |     |
|-----|--------|-----|
| 1/2 | 446026 | 100 |
| 1/2 | 446027 | 300 |
| 3/4 | 446030 | 100 |
| 3/4 | 446031 | 300 |
| 1   | 446032 | 100 |
| 1   | 446033 | 300 |

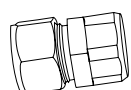
| Dimension<br>inches | Product<br>Code |
|---------------------|-----------------|
|---------------------|-----------------|

### Duratec x Male Thread Adapter



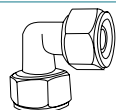
|                  |        |
|------------------|--------|
| 1/2 D1 x 1/2 MPT | 438002 |
| 3/4 D1 x 3/4 MPT | 438003 |
| 1 D1 x 1 MPT     | 438004 |

### Duratec x Female Thread Adapter



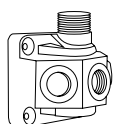
|                  |        |
|------------------|--------|
| 1/2 D1 x 1/2 FPT | 438006 |
| 3/4 D1 x 3/4 FPT | 438007 |
| 1 D1 x 1 FPT     | 438008 |

### Duratec x Duratec 90° Elbow



|                 |        |
|-----------------|--------|
| 1/2 D1 x 1/2 D1 | 438080 |
| 3/4 D1 x 3/4 D1 | 438067 |
| 1 D1 x 1 D1     | 438068 |

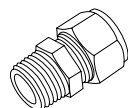
### Wall Bracket Multiport



|                  |        |
|------------------|--------|
| 3/4 x 1/2        | 437338 |
| Inlet - 3/4 MPT  |        |
| Outlet - 1/2 FPT |        |

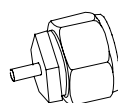
| Dimension<br>inches | Product<br>Code |
|---------------------|-----------------|
|---------------------|-----------------|

### Duratec x Male Thread Adapter Stainless Steel



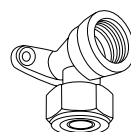
|                     |        |
|---------------------|--------|
| 1/2 D1 x 1/2 MPT SS | 438030 |
| 3/4 D1 x 3/4 MPT SS | 438031 |
| 1 D1 x 1 MPT SS     | 438032 |

### Duratec Airline x Tubing Adapter



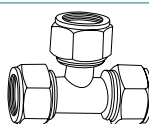
|                  |        |
|------------------|--------|
| 1/2 D1 x 1/2 MPT | 438043 |
| 3/4 D1 x 3/4 MPT | 438044 |
| 1 D1 x 1 MPT     | 438045 |

### Duratec x Female Thread Wing Back (or Drop-Ear) 90° Elbow



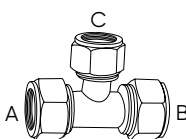
|                  |        |
|------------------|--------|
| 1/2 D1 x 1/2 FPT | 438009 |
|------------------|--------|

### Duratec x Duratec x Duratec Tee



|     |        |
|-----|--------|
| 1/2 | 438010 |
| 3/4 | 438011 |
| 1   | 438012 |

### Duratec x Duratec x Duratec Reducing Tee

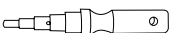


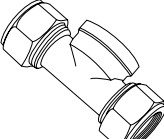
|                 |        |
|-----------------|--------|
| 3/4 x 1/2 x 1/2 | 438013 |
| 3/4 x 3/4 x 1/2 | 438014 |
| 3/4 x 1/2 x 3/4 | 438015 |
| 1 x 1 x 1/2     | 438016 |
| 1 x 3/4 x 3/4   | 438017 |
| 1 x 1 x 3/4     | 438018 |
| A x B x C       |        |

## PRODUCT SELECTION CHART – DURATEC AIRLINE

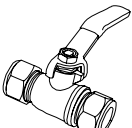
|                         | Dimension<br>inches                                                               | Product<br>Code |
|-------------------------|-----------------------------------------------------------------------------------|-----------------|
| <b>Duratec Coupling</b> | 1/2                                                                               | 438021          |
|                         | 3/4                                                                               | 438022          |
|                         | 1                                                                                 | 438023          |
|                         |  |                 |

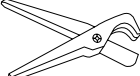
|                      |                                                                                   |        |
|----------------------|-----------------------------------------------------------------------------------|--------|
| <b>Duratec x Cap</b> | 1/2                                                                               | 438026 |
|                      | 3/4                                                                               | 438027 |
|                      | 1                                                                                 | 438028 |
|                      |  |        |

|                             |                                                                                   |        |
|-----------------------------|-----------------------------------------------------------------------------------|--------|
| <b>5-in-1 Beveling Tool</b> | 1/2" to 1" Beveling Tool                                                          | 438050 |
|                             |  |        |

|                                              |                                                                                     |        |
|----------------------------------------------|-------------------------------------------------------------------------------------|--------|
| <b>Duratec x Duratec x Female Thread Tee</b> | 1/2 D1 x 1/2 D1 x 1/2 FPT                                                           | 438019 |
|                                              | 3/4 D1 x 3/4 D1 x 1/2 FPT                                                           | 438078 |
|                                              |  |        |
|                                              |                                                                                     |        |

|                                  |                                                                                     |        |
|----------------------------------|-------------------------------------------------------------------------------------|--------|
| <b>Duratec Reducing Coupling</b> | 3/4 x 1/2                                                                           | 438024 |
|                                  | 1 x 3/4                                                                             | 438025 |
|                                  |  |        |

|                                   |                                                                                     |        |
|-----------------------------------|-------------------------------------------------------------------------------------|--------|
| <b>Duratec Airline Ball Valve</b> | 1/2                                                                                 | 438038 |
|                                   | 3/4                                                                                 | 438039 |
|                                   | 1                                                                                   | 438040 |
|                                   |  |        |

|                            |                                                                                     |        |
|----------------------------|-------------------------------------------------------------------------------------|--------|
| <b>Plastic Pipe Cutter</b> | 1/2" to 1" Pipe Cutter                                                              | 438051 |
|                            |  |        |

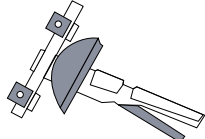
|                                                 | Dimension<br>inches | Product<br>Code |
|-------------------------------------------------|---------------------|-----------------|
| <b>Plastic Pipe Cutter Replacement SS Blade</b> | -                   | 438052          |
|                                                 |                     |                 |

|                          |                                                                                   |        |
|--------------------------|-----------------------------------------------------------------------------------|--------|
| <b>Duratec Pipe Clip</b> | 1/2                                                                               | 438064 |
|                          | 3/4                                                                               | 438065 |
|                          | 1                                                                                 | 438066 |
|                          |  |        |

|                               |                                                                                   |        |
|-------------------------------|-----------------------------------------------------------------------------------|--------|
| <b>Replacement Split Ring</b> | 1/2 Split Ring D1                                                                 | 438047 |
|                               | 3/4 Split Ring D1                                                                 | 438048 |
|                               | 1 Split Ring D1                                                                   | 438049 |
|                               |  |        |

|                                           |                                                                                     |        |
|-------------------------------------------|-------------------------------------------------------------------------------------|--------|
| <b>Duratec Airline Replacement O-Ring</b> | 1/2                                                                                 | 438054 |
|                                           | 3/4                                                                                 | 438055 |
|                                           | 1                                                                                   | 438056 |
|                                           |  |        |

|                                      |                                                                                      |        |
|--------------------------------------|--------------------------------------------------------------------------------------|--------|
| <b>Protective Heat Shrink Sleeve</b> | 4" Heatshrink Sleeve<br>for 3/4", 1" Fittings                                        | 438061 |
|                                      |  |        |

|                                                 |                                                                                      |        |
|-------------------------------------------------|--------------------------------------------------------------------------------------|--------|
| <b>Composite Pipe Bending Tool Kit up to 1"</b> | 1/2", 3/4", 1"<br>Bending Tool Kit                                                   | 438057 |
|                                                 |  |        |

|                                      |                                                                                      |        |
|--------------------------------------|--------------------------------------------------------------------------------------|--------|
| <b>Composite Pipe Bending Spring</b> | 1/2                                                                                  | 438058 |
|                                      | 3/4                                                                                  | 438059 |
|                                      | 1                                                                                    | 438060 |
|                                      |  |        |



IPEX offers one of the most comprehensive ranges of high quality, high performance thermoplastic valves and actuation products available today. With more than 65 years of design and manufacturing experience, our lightweight, long life, maintenance free valves will save you time and money. Our high-tech automated manufacturing and testing facility ensures unparalleled reliability for each and every valve.

# THERMOPLASTIC VALVES



Ball Valves

140

Butterfly Valves

150

Diaphragm Valves

154

Check and Vent Valves

172

Specialty Valves

176

Quarter Turn Automation

182

# THERMOPLASTIC VALVES

## Manual & Actuated Thermoplastic Valves

IPEX offers one of the most comprehensive ranges of high quality, high performance thermoplastic valves and actuation products available today. With more than 50 years of design and manufacturing experience, our lightweight, long life, maintenance free valves will save you time and money.

Material options such as PVC, CPVC, PP, PVDF, and ABS make our corrosion resistant valves ideal for use in a wide variety of applications. Quarter turn pneumatic and electric actuation, pneumatically actuated diaphragm valves, and many options and accessories allow for fully automated control. Whether a valve is required for isolation, diversion, control, or throttling, IPEX has a solution to meet your needs.

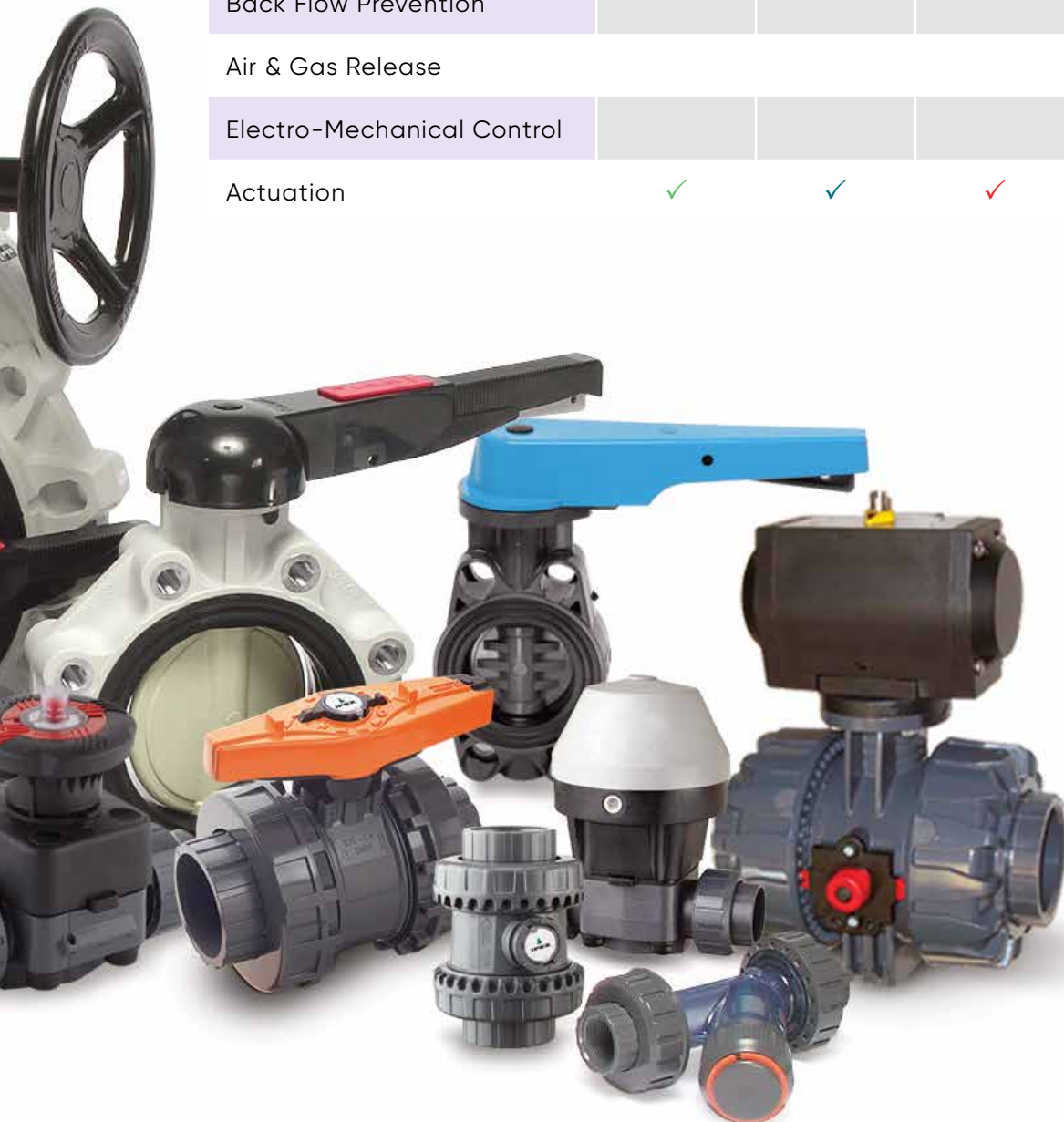
### APPLICATIONS

- Acid products handling for refineries, metal works, etc.
- Alum and ferric chloride handling
- Aquariums and aquatic animal life support systems
- Bleach, dye and acid lines
- Brine and seawater systems
- Chlorine injection, chlorine dioxide and chloralkali plant piping
- Pharmaceutical
- Plant chemical distribution lines
- Plant water supply and distribution
- Swimming pools
- Wash water recovery systems
- Water and wastewater treatment



## WHAT TYPE OF VALVE TO USE

|                            | Ball Valves | Butterfly Valves | Diaphragm Valves | Check & Vent Valves | Specialty Valves |
|----------------------------|-------------|------------------|------------------|---------------------|------------------|
| On/Off Service             | ✓           | ✓                |                  |                     |                  |
| High Capacity              | ✓           | ✓                |                  |                     |                  |
| Throttling                 | ✓           | ✓                | ✓                |                     | ✓                |
| Quick & Frequent Cycling   | ✓           |                  |                  |                     | ✓                |
| Slurries/Dirty Fluids      |             | ✓                | ✓                |                     |                  |
| Filtering                  |             |                  |                  |                     | ✓                |
| Back Flow Prevention       |             |                  |                  | ✓                   |                  |
| Air & Gas Release          |             |                  |                  | ✓                   |                  |
| Electro-Mechanical Control |             |                  |                  |                     | ✓                |
| Actuation                  | ✓           | ✓                | ✓                |                     |                  |



## VKD SERIES BALL VALVES – TRUE UNION

The next generation industrial valve features the patented Dual Block® system which allows locking of the union nuts in a preset position, assuring seal integrity under severe service conditions. A patented seat stop carrier, high quality stem and ball support system, integral mounting flange and bracketing, and a multifunctional locking handle (standard on sizes 2-1/2" to 4") set this valve apart from the rest. The VKD is available in PVC, CPVC, PP, PVDF, and ABS with PTFE seats and either EPDM or FKM seals.

Pressure Rate: up to 232 psi at 73°F depending on the material

Sizes: 3/8" – 4"



| Size (in) | Body Material | Seal Material | Socket/Threaded |             | Socket       |             |
|-----------|---------------|---------------|-----------------|-------------|--------------|-------------|
|           |               |               | Product Code    | Universal # | Product Code | Universal # |

### VKD w/ PTFE Seats

|       |      |      |        |          |        |           |
|-------|------|------|--------|----------|--------|-----------|
| 3/8   | PVC  | EPDM | 253067 | VKDBV102 | –      | –         |
|       |      | FKM  | 253068 | VKDBV202 | –      | –         |
|       | CPVC | EPDM | 253069 | VKDBC102 | –      | –         |
|       |      | FKM  | 253070 | VKDBC203 | –      | –         |
| 1/2   | PVC  | EPDM | 053461 | VKDBV103 | –      | –         |
|       |      | FKM  | 053467 | VKDBV203 | –      | –         |
|       | CPVC | EPDM | 053473 | VKDBC103 | –      | –         |
|       |      | FKM  | 253008 | VKDBC203 | –      | –         |
| 3/4   | PVC  | EPDM | 053462 | VKDBV104 | –      | –         |
|       |      | FKM  | 053468 | VKDBV204 | –      | –         |
|       | CPVC | EPDM | 053474 | VKDBC104 | –      | –         |
|       |      | FKM  | 253009 | VKDBC204 | –      | –         |
| 1     | PVC  | EPDM | 053463 | VKDBV105 | –      | –         |
|       |      | FKM  | 053469 | VKDBV205 | –      | –         |
|       | CPVC | EPDM | 053475 | VKDBC105 | –      | –         |
|       |      | FKM  | 253010 | VKDBC205 | –      | –         |
| 1-1/4 | PVC  | EPDM | 053464 | VKDBV106 | –      | –         |
|       |      | FKM  | 053470 | VKDBV206 | –      | –         |
|       | CPVC | EPDM | 053476 | VKDBC106 | –      | –         |
|       |      | FKM  | 253011 | VKDBC206 | –      | –         |
| 1-1/2 | PVC  | EPDM | 053465 | VKDBV107 | –      | –         |
|       |      | FKM  | 053471 | VKDBV207 | –      | –         |
|       | CPVC | EPDM | 053477 | VKDBC107 | –      | –         |
|       |      | FKM  | 253012 | VKDBC207 | –      | –         |
| 2     | PVC  | EPDM | 053466 | VKDBV108 | –      | –         |
|       |      | FKM  | 053472 | VKDBV208 | –      | –         |
|       | CPVC | EPDM | 053478 | VKDBC108 | –      | –         |
|       |      | FKM  | 253013 | VKDBC208 | –      | –         |
| 2-1/2 | PVC  | EPDM | –      | –        | 053539 | VKDAV109  |
|       |      | FKM  | –      | –        | 053542 | VKDAV209  |
|       | CPVC | EPDM | –      | –        | 053545 | VKDAC109  |
|       |      | FKM  | –      | –        | 053548 | VKDAC209  |
| 3     | PVC  | EPDM | –      | –        | 053540 | VKDAV110  |
|       |      | FKM  | –      | –        | 053543 | VKDAV210  |
|       | CPVC | EPDM | –      | –        | 053546 | VKDAC110  |
|       |      | FKM  | –      | –        | 053549 | VKDAC210  |
| 4     | PVC  | EPDM | –      | –        | 053541 | VKDAV111  |
|       |      | FKM  | –      | –        | 053544 | VKDAV211  |
|       | CPVC | EPDM | –      | –        | 053547 | VKDAC111– |
|       |      | FKM  | –      | –        | 053550 | VKDAC211  |

| Size (in) | Seal Material | Threaded     |             |
|-----------|---------------|--------------|-------------|
|           |               | Product Code | Universal # |

### PP w/ PTFE Seats

|       |      |        |          |
|-------|------|--------|----------|
| 1/2   | EPDM | 053525 | VKDFM103 |
|       | FKM  | 253002 | VKDFM203 |
| 3/4   | EPDM | 053526 | VKDFM104 |
|       | FKM  | 253003 | VKDFM204 |
| 1     | EPDM | 053527 | VKDFM105 |
|       | FKM  | 253004 | VKDFM205 |
| 1-1/4 | EPDM | 053528 | VKDFM106 |
|       | FKM  | 253005 | VKDFM206 |
| 1-1/2 | EPDM | 053529 | VKDFM107 |
|       | FKM  | 253006 | VKDFM207 |
| 2     | EPDM | 053530 | VKDFM108 |
|       | FKM  | 253007 | VKDFM208 |

| Size (mm) | Seal Material | Metric Socket |             |
|-----------|---------------|---------------|-------------|
|           |               | Product Code  | Universal # |

### PP w/ PTFE Seats

|      |      |        |          |
|------|------|--------|----------|
| 20mm | EPDM | 053513 | VKDIM103 |
|      | FKM  | 053519 | VKDIM203 |
| 25mm | EPDM | 053514 | VKDIM104 |
|      | FKM  | 053520 | VKDIM204 |
| 32mm | EPDM | 053515 | VKDIM105 |
|      | FKM  | 053521 | VKDIM205 |
| 40mm | EPDM | 053516 | VKDIM106 |
|      | FKM  | 053522 | VKDIM206 |
| 50mm | EPDM | 053517 | VKDIM107 |
|      | FKM  | 053523 | VKDIM207 |
| 63mm | EPDM | 053518 | VKDIM108 |
|      | FKM  | 053524 | VKDIM208 |

## VENTED VKD SERIES BALL VALVES – TRUE UNION

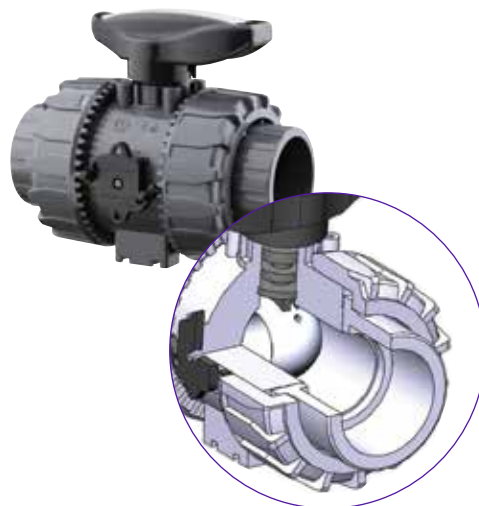
IPEX's vented ball valves are designed to protect the ball and body from a failure due to potential off-gassing. When a ball valve is cycled to the closed position, liquid may be trapped in the ball cavity. Chemicals such as sodium hypochlorite (NaOCl), hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>), and aqua ammonia (NH<sub>3</sub>) may off-gas and cause a potentially dangerous pressure build up. Without proper pressure relief, this may cause the valve to prematurely fail.

IPEX vented ball valves feature a small vent hole on the upstream side of the ball that will relieve the pressure from the ball cavity while maintaining a positive seal on the downstream side.

To ensure the valve is installed correctly, a label indicating the direction of flow is affixed to the valve body. For further details on IPEX valves, please refer to the product data sheets, technical manual, or visit [ipexna.com](http://ipexna.com)

Pressure Rate: up to 232 psi at 73°F

Sizes: 3/8" – 4"



| Size<br>(in) | Material | Socket/Threaded |             | Socket       |             |
|--------------|----------|-----------------|-------------|--------------|-------------|
|              |          | Product Code    | Universal # | Product Code | Universal # |

### VENTED VKD FKM w/ PTFE Seats

|       |      |        |            |        |            |
|-------|------|--------|------------|--------|------------|
| 3/8   | PVC  | 353028 | VKDBV202-V | –      | –          |
|       | CPVC | 353000 | VKDBC202-V | –      | –          |
| 1/2   | PVC  | 353083 | VKDBV203-V | –      | –          |
|       | CPVC | 353021 | VKDBC203-V | –      | –          |
| 3/4   | PVC  | 353084 | VKDBV204-V | –      | –          |
|       | CPVC | 353022 | VKDBC204-V | –      | –          |
| 1     | PVC  | 353085 | VKDBV205-V | –      | –          |
|       | CPVC | 353023 | VKDBC205-V | –      | –          |
| 1-1/4 | PVC  | 053503 | VKDBV206-V | –      | –          |
|       | CPVC | 353024 | VKDBC206-V | –      | –          |
| 1-1/2 | PVC  | 053504 | VKDBV207-V | –      | –          |
|       | CPVC | 353025 | VKDBC207-V | –      | –          |
| 2     | PVC  | 053505 | VKDBV208-V | –      | –          |
|       | CPVC | 353026 | VKDBC208-V | –      | –          |
| 2-1/2 | PVC  | –      | –          | 053506 | VKDAV209-V |
|       | CPVC | –      | –          | 353027 | VKDAC209-V |
| 3     | PVC  | –      | –          | 353086 | VKDAV210-V |
|       | CPVC | –      | –          | 353029 | VKDAC210-V |
| 4     | PVC  | –      | –          | 053562 | VKDAV211-V |
|       | CPVC | –      | –          | 353030 | VKDAC211-V |

# VKR SERIES REGULATING BALL VALVES – TRUE UNION

Designed to meet the requirements of the most severe industrial applications, IPEX VKR Series Regulating Ball Valves combine the reliability and safety features of IPEX VKD ball valves with a newly designed profiled ball. The patented ball design provides linear flow regulation throughout its full range of operation even when the valve is open just a few degrees. Like a traditional shut-off ball valve, the VKR has a 90° operating angle which allows the use of a standard quarter-turn actuator, ensuring perfect alignment and reducing the torque required for actuation. The patented Dual Block® mechanism locks the union nuts in place preventing back-off during severe service conditions.

Pressure Rate: 232 psi at 73°F  
Sizes: 1/2" – 4"



## EXAMPLE APPLICATIONS

- ✓ Precise Flow Regulation
- ✓ Acid Products Handling for Refineries, Metal Works, etc.
- ✓ Alum and Ferric Chloride Handling
- ✓ Bleach, Dye and Acid Lines
- ✓ Chlorine injection, chlorine dioxide and chloralkali plant piping
- ✓ Pharmaceutical
- ✓ Plant chemical distribution lines
- ✓ Water and wastewater treatment

| Size<br>(in)          | Seal<br>Material | Socket/Threaded |             |
|-----------------------|------------------|-----------------|-------------|
|                       |                  | Product Code    | Universal # |
| VKR PVC w/ PTFE Seats |                  |                 |             |
| 1/2                   | EPDM             | 353684          | VKRBV103    |
|                       | FKM              | 353675          | VKRBV203    |
| 3/4                   | EPDM             | 353683          | VKRBV104    |
|                       | FKM              | 353676          | VKRBV204    |
| 1                     | EPDM             | 353682          | VKRBV105    |
|                       | FKM              | 353678          | VKRBV205    |
| 1-1/4                 | EPDM             | 353681          | VKRBV106    |
|                       | FKM              | 353685          | VKRBV206    |
| 1-1/2                 | EPDM             | 353680          | VKRBV107    |
|                       | FKM              | 353686          | VKRBV207    |
| 2                     | EPDM             | 353679          | VKRBV108    |
|                       | FKM              | 353677          | VKRBV208    |

## TKD SERIES 3-WAY BALL VALVES – TRUE UNION

The TKD offers a host of advanced features that set it apart from other multi-port valves. The patented seat stop carrier allows for in-line micro-adjustment of the ball seating, and features o-ring cushioning to minimize wear and prevent seizing. Integral mounting flange and bracketing allows for direct actuation and simple support, while a locking handle can prevent improper positioning. The TKD is available in PVC, CPVC, and PP with PTFE seats and either EPDM or FKM seals. Other materials are available upon request.

Pressure Rate: 232 psi at 73°F

Sizes: 1/2" – 2"



| Size (in) | Body Material | Seal Material | Socket/Threaded L-Port |             | Socket/Threaded T-Port |             |
|-----------|---------------|---------------|------------------------|-------------|------------------------|-------------|
|           |               |               | Product Code           | Universal # | Product Code           | Universal # |

### TKD w/ PTFE Seats

|       |      |      |        |           |        |           |
|-------|------|------|--------|-----------|--------|-----------|
| 1/2   | PVC  | EPDM | 253844 | TKDLBV103 | 253850 | TKDTBV103 |
|       |      | FKM  | 253856 | TKDLBV203 | 253862 | TKDTBV203 |
|       | CPVC | EPDM | 253893 | TKDLBC103 | 253899 | TKDTBC103 |
|       |      | FKM  | 253905 | TKDLBC203 | 253907 | TKDTBC203 |
| 3/4   | PVC  | EPDM | 253845 | TKDLBV104 | 253851 | TKDTBV104 |
|       |      | FKM  | 253857 | TKDLBV204 | 253863 | TKDTBV204 |
|       | CPVC | EPDM | 253894 | TKDLBC104 | 253900 | TKDTBC104 |
|       |      | FKM  | 253922 | TKDLBC204 | 253908 | TKDTBC204 |
| 1     | PVC  | EPDM | 253846 | TKDLBV105 | 253852 | TKDTBV105 |
|       |      | FKM  | 253858 | TKDLBV205 | 253864 | TKDTBV205 |
|       | CPVC | EPDM | 253895 | TKDLBC105 | 253901 | TKDTBC105 |
|       |      | FKM  | 253906 | TKDLBC205 | 253909 | TKDTBC205 |
| 1-1/4 | PVC  | EPDM | 253847 | TKDLBV106 | 253853 | TKDTBV106 |
|       |      | FKM  | 253859 | TKDLBV206 | 253865 | TKDTBV206 |
|       | CPVC | EPDM | 253896 | TKDLBC106 | 253902 | TKDTBC106 |
|       |      | FKM  | 253923 | TKDLBC206 | 253910 | TKDTBC206 |
| 1-1/2 | PVC  | EPDM | 253848 | TKDLBV107 | 253854 | TKDTBV107 |
|       |      | FKM  | 253860 | TKDLBV207 | 253866 | TKDTBV207 |
|       | CPVC | EPDM | 253897 | TKDLBC107 | 253903 | TKDTBC107 |
|       |      | FKM  | 253924 | TKDLBC207 | 253911 | TKDTBC207 |
| 2     | PVC  | EPDM | 253849 | TKDLBV108 | 253855 | TKDTBV108 |
|       |      | FKM  | 253861 | TKDLBV208 | 253867 | TKDTBV208 |
|       | CPVC | EPDM | 253898 | TKDLBC108 | 253904 | TKDTBC108 |
|       |      | FKM  | 253925 | TKDLBC208 | 253912 | TKDTBC208 |

Ball valves are generally used for on/off service, but can range from simple molded-in-place construction to high-end industrial designs with many features and benefits. Multi-port ball valves allow for mixing, diverting, and bypassing flow. Extensive material options provide for complete chemical compatibility in highly corrosive processes. Many ball valves feature full port flow, blocking true union ends, and compact ergonomic designs allowing for simple installation and maintenance.

## VKD, TKD AND VKR BALL VALVE ACCESSORIES



| Size inches | Universal Number | Product Code |
|-------------|------------------|--------------|
|-------------|------------------|--------------|

### Locking Handle Kit - VKD & TKD

|               |           |        |
|---------------|-----------|--------|
| 3/8 & 1/2     | 2KTSHKDEF | 253014 |
| 3/4 & 1       | 2KTSHKDGH | 253015 |
| 1-1/4 & 1-1/2 | 2KTSHKDIJ | 253016 |
| 2             | 2KTSHKDLL | 253017 |

Note: The locking attachment fits on the standard handle (Handle not included)



| Size inches | Dimensions inches<br>A B (min) | Universal Number | Product Code |
|-------------|--------------------------------|------------------|--------------|
|-------------|--------------------------------|------------------|--------------|

### Stem Extension Kit - VKD, TKD & VKR

|           |     |   |           |        |
|-----------|-----|---|-----------|--------|
| 3/8 & 1/2 | 3/4 | 2 | 2KTPSKDEF | 154062 |
| 3/4       | 3/4 | 2 | 2KTPSKDGG | 154063 |
| 1         | 3/4 | 2 | 2KTPSKDHH | 154064 |
| 1-1/4     | 1   | 2 | 2KTPSKDII | 154065 |
| 1-1/2     | 1   | 2 | 2KTPSKDJJ | 154066 |
| 2         | 1   | 2 | 2KTPSKDLL | 154067 |

Note: The kit includes top and bottom PVC components, as well as a 6" length of extension pipe that must be solvent welded together to achieve the desired extension length. The minimum length to which the extension pipe can be cut is shown in the adjacent table. For longer extensions, contact IPEX Customer Service.



| Size inches | Universal Number | Product Code |
|-------------|------------------|--------------|
|-------------|------------------|--------------|

### Wall / Panel Mounting Kit - VKD & VKR

|              |           |        |
|--------------|-----------|--------|
| 3/8 thru 1   | 2KTPMKD01 | 154322 |
| 1-1/4 thru 2 | 2KTPMKD02 | 154323 |

Note: The kit includes the mounting plate, 2 brass inserts and 2 screws



| Size inches | Significant Number | PVC Kit Product Code | Universal Number | CPVC Kit Product Code |
|-------------|--------------------|----------------------|------------------|-----------------------|
|-------------|--------------------|----------------------|------------------|-----------------------|

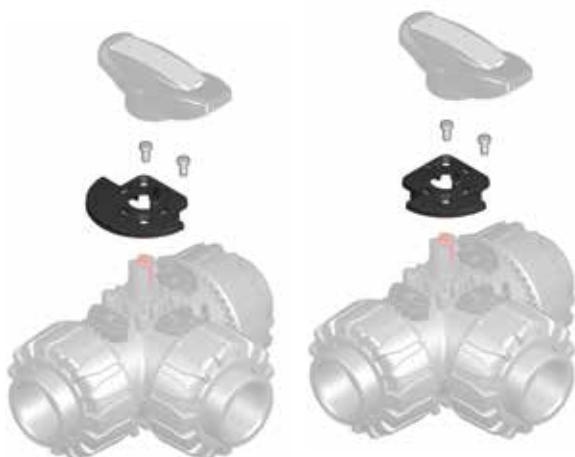
### ANSI 150 Flanging Kit - VKD, TKD & VKR

|           |          |        |          |        |
|-----------|----------|--------|----------|--------|
| 3/8 & 1/2 | 2BFFF1FV | 154324 | 2BFFF1FC | 154330 |
| 3/4       | 2BFFF1GV | 154325 | 2BFFF1GC | 154331 |
| 1         | 2BFFF1HV | 154326 | 2BFFF1HC | 154332 |
| 1-1/4     | 2BFFF1IV | 154327 | 2BFFF1IC | 154333 |
| 1-1/2     | 2BFFF1JV | 154328 | 2BFFF1JC | 154334 |
| 2         | 2BFFF1LV | 154329 | 2BFFF1LC | 154335 |

PVC Kit includes: 1 PVC Flange & Nut, 1 PVDF locking ring and 1 True union nut.

CPVC Kit includes: 1 CPVC Flange & Nut, 1 PVDF locking ring and 1 True union nut.

## VKD, TKD AND VKR BALL VALVE ACCESSORIES



| Size<br>inches | Universal<br>Number | Product<br>Code |
|----------------|---------------------|-----------------|
|----------------|---------------------|-----------------|

### Rotational Stroke Limiter 90° - TKD

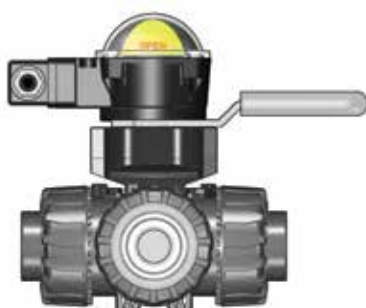
|               |            |        |
|---------------|------------|--------|
| 3/4 - 1/2     | LTKD090020 | 253820 |
| 3/4 - 1       | LTKD090032 | 253821 |
| 1-1/4 - 1-1/2 | LTKD090050 | 253822 |
| 2             | LTKD090063 | 253823 |

Note: The locking attachment fits on the standard handle

### Rotational Stroke Limiter 180° - TKD

|               |            |        |
|---------------|------------|--------|
| 3/4 - 1/2     | LTKD180020 | 253824 |
| 3/4 - 1       | LTKD180032 | 253825 |
| 1-1/4 - 1-1/2 | LTKD180050 | 253826 |
| 2             | LTKD180063 | 253827 |

Note: The locking attachment fits on the standard handle



### Electro-Mechanical Limit Switch - Manual VKD & TKD

|   |           |        |        |
|---|-----------|--------|--------|
| * | 1/2 - 1   | MSKD1M | 253940 |
| * | 1-1/4 - 2 | MSKD2M | 253941 |

Note: VKD mounting kit required

Note: For 90° rotation TKD only

\* This is a NON-STOCKING item. For OEM business, please contact IPEX customer service for stocking options.



### 2" Square Operating Nut for VKD, TKD & VKR Ball Valves

|       |   |        |
|-------|---|--------|
| 1/2   | - | 253075 |
| 3/4   | - | 253076 |
| 1     | - | 253077 |
| 1-1/4 | - | 253078 |
| 1-1/2 | - | 253079 |
| 2     | - | 253080 |
| 2-1/2 | - | 253150 |
| 3     | - | 253151 |
| 4     | - | 253152 |

Note: 1/2" thru 2" operating nuts used on VLD & TKD ball valves  
2-1/2" thru 4" operating nuts used on VKD ball valves



| Connector Size<br>(mm) | Part Number | Valve Size<br>(in) |
|------------------------|-------------|--------------------|
|------------------------|-------------|--------------------|

### End Connector PVC (Soc)

|    |        |        |
|----|--------|--------|
| 20 | 253975 | 1/2"   |
| 25 | 253976 | 3/4"   |
| 32 | 253977 | 1"     |
| 40 | 253978 | 1-1/4" |
| 50 | 253979 | 1-1/2" |
| 63 | 253980 | 2"     |

| Connector Size<br>(mm) | Part Number | Valve Size<br>(in) |
|------------------------|-------------|--------------------|
|------------------------|-------------|--------------------|

### End Connector CPVC (Soc)

|    |        |        |
|----|--------|--------|
| 20 | 253981 | 1/2"   |
| 25 | 253982 | 3/4"   |
| 32 | 253983 | 1"     |
| 40 | 253984 | 1-1/4" |
| 50 | 253985 | 1-1/2" |
| 63 | 253986 | 2"     |

Compatible with VKD, TKD, VXE, VEE, VKR, SXE, RV

## EASYFIT VXE SERIES BALL VALVES – TRUE UNION

These ultra-compact valves feature a full-port, bi-directional double block design. The true union style allows the valve to be easily removed from the piping system and fully serviced. A threaded seat stop carrier provides improved seal integrity under tough service conditions while the removable handle also functions as a tool for ball seat adjustment.

The EasyFit VXE Series True Union Ball Valves represent the latest innovation in thermoplastic ball valve manufacturing technology. The VXE Series is designed for industrial, general purpose and O.E.M applications. This valve features an ultra-compact double block design, and full port bi-directional operation. The true union design allows the valve to be easily removed from the piping system and fully serviced. A threaded seat stop carrier provides improved seal integrity under tough service conditions while the EASYFIT multifunction handle doubles as a tool for ball seat adjustment, and for tightening union nuts precisely.



Pressure Rate: up to 232 psi at 73°F depending on the size

Sizes: 1/2" – 6"

| Size (in) | Body Material | Seal Material | Socket/Threaded |             | Socket       |             | Threaded     |             | Flanged      |             |
|-----------|---------------|---------------|-----------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
|           |               |               | Product Code    | Universal # | Product Code | Universal # | Product Code | Universal # | Product Code | Universal # |

### VXE w/ PTFE Seats (EPDM)

|       |      |      |        |          |        |          |        |          |        |          |
|-------|------|------|--------|----------|--------|----------|--------|----------|--------|----------|
| 1/2   | PVC  | EPDM | 353001 | VXEBV103 | –      | –        | –      | –        | 353627 | VXEOV103 |
|       |      | FKM  | 353002 | VXEBV203 | –      | –        | –      | –        | 353637 | VXEOV203 |
|       | CPVC | EPDM | 353041 | VXEBC103 | –      | –        | –      | –        | 353651 | VXEOC103 |
|       |      | FKM  | 353042 | VXEBC203 | –      | –        | –      | –        | 353661 | VXEOC203 |
| 3/4   | PVC  | EPDM | 353003 | VXEBV104 | –      | –        | –      | –        | 353628 | VXEOV104 |
|       |      | FKM  | 353004 | VXEBV204 | –      | –        | –      | –        | 353638 | VXEOV204 |
|       | CPVC | EPDM | 353043 | VXEBC104 | –      | –        | –      | –        | 353652 | VXEOC104 |
|       |      | FKM  | 353044 | VXEBC204 | –      | –        | –      | –        | 353662 | VXEOC204 |
| 1     | PVC  | EPDM | 353005 | VXEBV105 | –      | –        | –      | –        | 353629 | VXEOV105 |
|       |      | FKM  | 353006 | VXEBV205 | –      | –        | –      | –        | 353639 | VXEOV205 |
|       | CPVC | EPDM | 353045 | VXEBC105 | –      | –        | –      | –        | 353653 | VXEOC105 |
|       |      | FKM  | 353046 | VXEBC205 | –      | –        | –      | –        | 353663 | VXEOC205 |
| 1-1/4 | PVC  | EPDM | 353007 | VXEBV106 | –      | –        | –      | –        | 353630 | VXEOV106 |
|       |      | FKM  | 353008 | VXEBV206 | –      | –        | –      | –        | 353640 | VXEOV206 |
|       | CPVC | EPDM | 353047 | VXEBC106 | –      | –        | –      | –        | 353654 | VXEOC106 |
|       |      | FKM  | 353048 | VXEBC206 | –      | –        | –      | –        | 353664 | VXEOC206 |
| 1-1/2 | PVC  | EPDM | 353009 | VXEBV107 | –      | –        | –      | –        | 353631 | VXEOV107 |
|       |      | FKM  | 353010 | VXEBV207 | –      | –        | –      | –        | 353641 | VXEOV207 |
|       | CPVC | EPDM | 353049 | VXEBC107 | –      | –        | –      | –        | 353655 | VXEOC107 |
|       |      | FKM  | 353050 | VXEBC207 | –      | –        | –      | –        | 353665 | VXEOC207 |
| 2     | PVC  | EPDM | 353011 | VXEBV108 | –      | –        | –      | –        | 353632 | VXEOV108 |
|       |      | FKM  | 353012 | VXEBV208 | –      | –        | –      | –        | 353642 | VXEOV208 |
|       | CPVC | EPDM | 353051 | VXEBC108 | –      | –        | –      | –        | 353656 | VXEOC108 |
|       |      | FKM  | 353052 | VXEBC208 | –      | –        | –      | –        | 353666 | VXEOC208 |
| 2-1/2 | PVC  | EPDM | –      | –        | 353623 | VXEAV109 | –      | –        | 353633 | VXEOV109 |
|       |      | FKM  | –      | –        | 353624 | VXEAV209 | –      | –        | 353643 | VXEOV209 |
|       | CPVC | EPDM | –      | –        | 353647 | VXEAC109 | –      | –        | 353657 | VXEOC109 |
|       |      | FKM  | –      | –        | 353648 | VXEAC209 | –      | –        | 353667 | VXEOC209 |
| 3     | PVC  | EPDM | –      | –        | 353013 | VXEAV110 | 353017 | VXEFV110 | 353634 | VXEOV110 |
|       |      | FKM  | –      | –        | 353014 | VXEAV210 | 353018 | VXEFV210 | 353644 | VXEOV210 |
|       | CPVC | EPDM | –      | –        | 353053 | VXEAC110 | 353057 | VXEFC110 | 353658 | VXEOC110 |
|       |      | FKM  | –      | –        | 353054 | VXEAC210 | 353058 | VXEFC210 | 353668 | VXEOC210 |
| 4     | PVC  | EPDM | –      | –        | 353015 | VXEAV111 | 353019 | VXEFV111 | 353635 | VXEOV111 |
|       |      | FKM  | –      | –        | 353016 | VXEAV211 | 353020 | VXEFV211 | 353645 | VXEOV211 |
|       | CPVC | EPDM | –      | –        | 353055 | VXEAC111 | 353059 | VXEFC111 | 353659 | VXEOC111 |
|       |      | FKM  | –      | –        | 353056 | VXEAC211 | 353060 | VXEFC211 | 353669 | VXEOC211 |
| *6    | PVC  | EPDM | –      | –        | 353625 | VXEAV113 | –      | –        | 353636 | VXEOV113 |
|       |      | FKM  | –      | –        | 353626 | VXEAV213 | –      | –        | 353646 | VXEOV213 |
|       | CPVC | EPDM | –      | –        | 353649 | VXEAC113 | –      | –        | 353660 | VXEOC113 |
|       |      | FKM  | –      | –        | 353650 | VXEAC213 | –      | –        | 353670 | VXEOC213 |

## VENTED EASYFIT VXE SERIES BALL VALVES – TRUE UNION

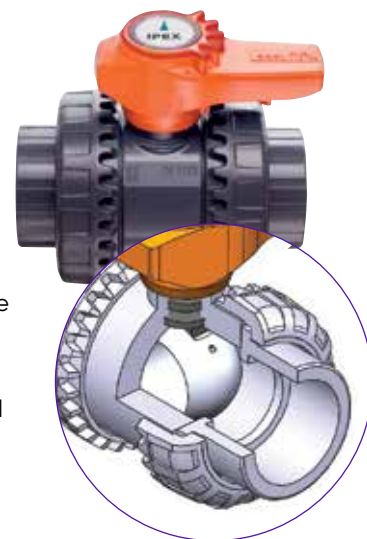
IPEX's vented ball valves are designed to protect the ball and body from a failure due to potential off-gassing. When a ball valve is cycled to the closed position, liquid may be trapped in the ball cavity. Chemicals such as sodium hypochlorite (NaOCl), hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>), and aqua ammonia (NH<sub>3</sub>) may off-gas and cause a potentially dangerous pressure build up. Without proper pressure relief, this may cause the valve to prematurely fail.

IPEX vented ball valves feature a small vent hole on the upstream side of the ball that will relieve the pressure from the ball cavity while maintaining a positive seal on the downstream side.

To ensure the valve is installed correctly, a label indicating the direction of flow is affixed to the valve body. For further details on IPEX valves, please refer to the product data sheets, technical manual, or visit [ipexna.com](http://ipexna.com)

Pressure Rate: up to 232 psi at 73°F

Sizes: 3/8" – 6" Note: The 6" valve is a 4" with Venturied ends.



| Size (in) | Material | Socket/Threaded |             | Socket       |             | Threaded     |             | Flanged      |             |
|-----------|----------|-----------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
|           |          | Product Code    | Universal # | Product Code | Universal # | Product Code | Universal # | Product Code | Universal # |

### VENTED EASYFIT VXE FKM w/ PTFE Seats

|       |      |        |            |        |            |        |            |        |            |
|-------|------|--------|------------|--------|------------|--------|------------|--------|------------|
| 1/2   | PVC  | 353031 | VXEBV203-V | –      | –          | –      | –          | –      | –          |
|       | CPVC | 353067 | VXEBC203-V | –      | –          | –      | –          | –      | –          |
| 3/4   | PVC  | 353032 | VXEBV204-V | –      | –          | –      | –          | –      | –          |
|       | CPVC | 353068 | VXEBC204-V | –      | –          | –      | –          | –      | –          |
| 1     | PVC  | 353033 | VXEBV205-V | –      | –          | –      | –          | –      | –          |
|       | CPVC | 353069 | VXEBC205-V | –      | –          | –      | –          | –      | –          |
| 1-1/4 | PVC  | 353034 | VXEBV206-V | –      | –          | –      | –          | –      | –          |
|       | CPVC | 353070 | VXEBC206-V | –      | –          | –      | –          | –      | –          |
| 1-1/2 | PVC  | 353035 | VXEBV207-V | –      | –          | –      | –          | –      | –          |
|       | CPVC | 353071 | VXEBC207-V | –      | –          | –      | –          | –      | –          |
| 2     | PVC  | 353036 | VXEBV208-V | –      | –          | –      | –          | –      | –          |
|       | CPVC | 353072 | VXEBC208-V | –      | –          | –      | –          | –      | –          |
| 2-1/2 | PVC  | –      | –          | 353037 | VXEAV209-V | –      | –          | 353063 | VXEOV209-V |
|       | CPVC | –      | –          | 353073 | VXEAC209-V | –      | –          | 353079 | VXEOC209-V |
| 3     | PVC  | –      | –          | 353038 | VXEAV210-V | 353040 | VXEFV210-V | 353064 | VXEOV210-V |
|       | CPVC | –      | –          | 353074 | VXEAC210-V | 353076 | VXEFC210-V | 353080 | VXEOC210-V |
| 4     | PVC  | –      | –          | 353039 | VXEAV211-V | 353061 | VXEFV211-V | 353065 | VXEOV211-V |
|       | CPVC | –      | –          | 353075 | VXEAC211-V | 353077 | VXEFC211-V | 353081 | VXEOC211-V |
| 6     | PVC  | –      | –          | 353062 | VXEAV213-V | –      | –          | 353066 | VXEOV213-V |
|       | CPVC | –      | –          | 353078 | VXEAC213-V | –      | –          | 353082 | VXEOC213-V |

## EASYFIT VALVE ACCESSORIES

### EasyTorque Kit

The Easytorque kit is the new innovative tool designed by IPEX for optimal tightening of all threaded components on our EASYFIT valves.

The kit has been developed to precisely adjust the tightening torque of the VXE and VEE ball seat carrier, SXE main seal safe blocked carrier, and all EASYFIT valve union nuts by applying the proper torque as specified by the manufacturer.

The use of the Easytorque kit is recommended to minimize mechanical stresses on thermoplastic threads caused by overtightening. This tool will help prevent fluid leakage, optimize ball valve operation and minimize the wear on the elastomeric seals. The use of the EASYFIT torque wrench also reduces the risk of using metal wrenches or channel locks, thus causing accidental damage to the union nuts.

### EASYFIT Labelling System

It is often necessary to customize a valve by labelling or tagging it in order to mark and identify it according to specific needs or service. The EasyFit Labelling System is a complete product line developed to customize individual valves, and includes all the necessary tools: LCE Module, LSE Set and the EasyFit software. Available for the VXE, VEE and SXE.



### EasyFit Multi-Functional Handle

| Size inches | Universal Number | Product Code |
|-------------|------------------|--------------|
| 1/2         | HSVXE020         | 253875       |
| 3/4         | HSVXE025         | 253876       |
| 1           | HSVXE032         | 253877       |
| 1-1/4       | HSVXE040         | 253878       |
| 1-1/2       | HSVXE050         | 253879       |
| 2           | HSVXE063         | 253880       |
| 2-1/2       | HSVXE075         | 254073       |
| 3           | HSVXE090         | 254074       |
| 4           | HSVXE110         | 254075       |

Can be used for union nut rotational control and ball seat carrier adjustment of VEE, VXE and SXE.

Kit includes handle body, transparent cap and tag holder.



### EasyTorque Kit

| Size inches | Universal Number | Product Code |
|-------------|------------------|--------------|
| 1/2 - 2     | EASYTORQUE       | 253926       |

EasyTorque Kit includes: Torque Wrench, 6 Union Nut Inserts and 6 Seat Carrier Inserts.



### EASYFIT Labelling System

| Size inches | Universal Number | Product Code |
|-------------|------------------|--------------|
|-------------|------------------|--------------|

#### LCE Module (Clear PVC plug w PVC label holder)

|             |        |        |
|-------------|--------|--------|
| 1/2         | LCE020 | 253927 |
| 3/4         | LCE025 | 253928 |
| 1           | LCE032 | 253930 |
| * 1-1/4     | LCE040 | 253931 |
| 1-1/2       | LCE050 | 253932 |
| 2           | LCE063 | 253933 |
| * 2-1/2 - 4 | LCE040 | 253931 |

\* Sizes 1-1/4" and 2-1/2" - 4" use the same product code

#### LSE Labels - Adhesive, Die Cut Labels

|             |        |        |
|-------------|--------|--------|
| 1/2         | LSE020 | 253929 |
| 3/4         | LSE025 | 253934 |
| 1           | LSE032 | 253935 |
| * 1-1/4     | LSE040 | 253936 |
| 1-1/2       | LSE050 | 253937 |
| 2           | LSE063 | 253938 |
| * 2-1/2 - 4 | LSE040 | 253936 |

\* Sizes 1-1/4" and 2-1/2" - 4" use the same product code

### Stem Extension Kit - VXE & VEE

| Size inches | Universal Number | Product Code |
|-------------|------------------|--------------|
| 1/2         | PSE012           | 453005       |
| 3/4         | PSE034           | 453006       |
| 1           | PSE100           | 453007       |
| 1-1/4       | PSE114           | 453008       |
| 1-1/2       | PSE112           | 453009       |
| 2           | PSE200           | 453010       |
| 2-1/2 - 3   | PSE300           | 154457       |
| 4           | PSE400           | 453001       |

Pipe not included

## EASYFIT VEE SERIES BALL VALVES – TRUE UNION

The VEE is ideal for light industrial and water applications. The VEE shares many features with the VXE such as the ultra-compact double block design, and full port bi-directional operation. A threaded seat stop carrier provides improved seal integrity under tough service conditions while the removable handle also functions as a tool for ball seat adjustment. The VEE also features the EASYFIT multifunction handle which doubles as a tool for ball seat adjustment and for tightening union nuts precisely. The VEE is also available exclusively in PVC with EPDM seals and either socket or threaded end connections.

Pressure Rate: 232 psi at 73°F

Sizes: 1/2" – 6"



| Size (in) | Body Material | Seal Material | Socket       |             | Threaded     |             |
|-----------|---------------|---------------|--------------|-------------|--------------|-------------|
|           |               |               | Product Code | Universal # | Product Code | Universal # |

### VEE w/ PTFE-HDPE Seats

|       |     |      |        |          |        |          |
|-------|-----|------|--------|----------|--------|----------|
| 1/2   | PVC | EPDM | 353373 | VEEAV103 | 353374 | VEEFV103 |
| 3/4   | PVC | EPDM | 353124 | VEEAV104 | 353215 | VEEFV104 |
| 1     | PVC | EPDM | 353125 | VEEAV105 | 353217 | VEEFV105 |
| 1-1/4 | PVC | EPDM | 353126 | VEEAV106 | 353219 | VEEFV106 |
| 1-1/2 | PVC | EPDM | 353127 | VEEAV107 | 353220 | VEEFV107 |
| 2     | PVC | EPDM | 353128 | VEEAV108 | 353221 | VEEFV108 |
| 2-1/2 | PVC | EPDM | 353672 | VEEAV109 | 353735 | VEEFV109 |
| 3     | PVC | EPDM | 353673 | VEEAV110 | 353736 | VEEFV110 |
| 4     | PVC | EPDM | 353674 | VEEAV111 | 353737 | VEEFV111 |
| 6     | PVC | EPDM | 353087 | VEEAV113 | -      | -        |

### EXAMPLE APPLICATIONS

- ✓ Swimming pools
- ✓ Aquariums
- ✓ Light duty industrial

## MP SERIES COMPACT BALL VALVES

Available in both Schedule 80 grey PVC and Schedule 40 white PVC, with either socket or threaded connections. EPDM seals and PTFE seats make this valve ideally suited to all kinds of plumbing and industrial applications where a compact, inexpensive on/off valve is required.

Pressure Rate: 150 psi at 73°F

Sizes: 1/2" – 2"



| Size (in) | Material | Socket       |             | Threaded     |             |
|-----------|----------|--------------|-------------|--------------|-------------|
|           |          | Product Code | Universal # | Product Code | Universal # |

### MP EPDM w/ PTFE

|       |                  |        |         |        |         |
|-------|------------------|--------|---------|--------|---------|
| 1/2   | PVC Sch 40 White | 052277 | MPAW103 | 052283 | MPFW103 |
|       | PVC Sch 80 Grey  | 052000 | MPAV103 | 052026 |         |
| 3/4   | PVC Sch 40 White | 052278 | MPAW104 | 052284 | MPFW104 |
|       | PVC Sch 80 Grey  | 052006 | MPAV104 | 052029 |         |
| 1     | PVC Sch 40 White | 052279 | MPAW105 | 052285 | MPFW105 |
|       | PVC Sch 80 Grey  | 052007 | MPAV105 | 052107 |         |
| 1-1/4 | PVC Sch 40 White | 052280 | MPAW106 | 052286 | MPFW106 |
|       | PVC Sch 80 Grey  | 052009 | MPAV106 | 052108 |         |
| 1-1/2 | PVC Sch 40 White | 052281 | MPAW107 | 052287 | MPFW107 |
|       | PVC Sch 80 Grey  | 052019 | MPAV107 | 052109 |         |
| 2     | PVC Sch 40 White | 052282 | MPAW108 | 052288 | MPFW108 |
|       | PVC Sch 80 Grey  | 052024 | MPAV108 | 052144 |         |

## FK SERIES BUTTERFLY VALVES

The FK offers superior strength as well as excellent chemical resistance needed to operate in the corrosive environments often found near flanged connections. The special trapezoid shape of the liner and a serrated body cavity guarantee a bubble tight seal while keeping break-away torque at an absolute minimum. Double self-lubricating seals (available in either EPDM or FKM), direct actuator mount capability, and choice of a lever handle or mounted gear box are just a few more features of this technologically advanced valve. The body is made of standard glass-filled PP while discs are available in CPVC, PP, PVC, PVDF, and ABS.

Pressure Rate: up to 150 psi at 73°F depending on the size

Sizes: 1-1/2" – 16"



EASYFIT  
HANDLE



WITH MOUNTED  
GEAR BOX

| Size<br>(in) | Seal<br>Material | Wafer Style, Lever Handle |             | Wafer Style, Gear Box |             |
|--------------|------------------|---------------------------|-------------|-----------------------|-------------|
|              |                  | Product<br>Code           | Universal # | Product<br>Code       | Universal # |

### FK CPVC DISC

|       |      |        |          |        |           |
|-------|------|--------|----------|--------|-----------|
| 1-1/2 | EPDM | 353112 | FKOM107C | –      | –         |
|       | FKM  | 353137 | FKOM207C | –      | –         |
| 2     | EPDM | 353113 | FKOM108C | –      | –         |
|       | FKM  | 353213 | FKOM208C | –      | –         |
| 2-1/2 | EPDM | 353114 | FKOM109C | 254100 | FKOM109GC |
|       | FKM  | 353214 | FKOM209C | 254144 | FKOM209GC |
| 3     | EPDM | 353115 | FKOM110C | 254134 | FKOM110GC |
|       | FKM  | 353216 | FKOM210C | 254155 | FKOM210GC |
| 4     | EPDM | 353116 | FKOM111C | 254135 | FKOM111GC |
|       | FKM  | 353218 | FKOM211C | 254156 | FKOM211GC |
| 5     | EPDM | 353117 | FKOM112C | 254136 | FKOM112GC |
|       | FKM  | 353224 | FKOM212C | 254157 | FKOM212GC |
| 6     | EPDM | 353118 | FKOM113C | 254137 | FKOM113GC |
|       | FKM  | 353225 | FKOM213C | 254158 | FKOM213GC |
| 8     | EPDM | 353119 | FKOM114C | 254138 | FKOM114GC |
|       | FKM  | 353226 | FKOM214C | 254159 | FKOM214GC |
| 10    | EPDM | –      | –        | 254128 | FKOM115GC |
|       | FKM  | –      | –        | 254160 | FKOM215GC |
| 12    | EPDM | –      | –        | 254139 | FKOM116GC |
|       | FKM  | –      | –        | 254161 | FKOM216GC |

Note: PP, PVC, ABS, and PVDF discs are available upon request.  
16" – 24" butterfly valves are available on request.

| Size<br>(in) | Seal<br>Material | Wafer Style, Lever Handle |             |
|--------------|------------------|---------------------------|-------------|
|              |                  | Product Code              | Universal # |

### FK PVC DISC

|    |      |        |           |
|----|------|--------|-----------|
| 14 | EPDM | 253194 | FKOM117GV |
|    | FKM  | 253196 | FKOM217GV |
| 16 | EPDM | 253195 | FKOM118GV |
|    | FKM  | 253197 | FKOM218GV |

18" – 24" butterfly valves are available on request.

# FK SERIES LUGGED BUTTERFLY VALVES

This FK version features the world’s first integral lug design. Unlike other plastic butterfly valves, these valves feature stainless steel lugs permanently anchored in the body of the valve. This unique design provides for full bi-directional operation, and allows disassembly and assembly of the downstream flange connection without weakening the integrity of the upstream connection to the pressurized line. The same body, disc, and seal material options as the normal FK are available for the lugged version.

Pressure Rate: up to 150 psi at 73°F depending on the size  
 Sizes: 2-1/2" – 12"

| Size (in) | Seal Material | SS Lugs, Lever Handle |             | SS Lugs, Gear Box |             |
|-----------|---------------|-----------------------|-------------|-------------------|-------------|
|           |               | Product Code          | Universal # | Product Code      | Universal # |

## FK LUGGED CPVC DISC

|       |      |        |          |        |           |
|-------|------|--------|----------|--------|-----------|
| 2-1/2 | EPDM | 353120 | FKOM109C | 254171 | FKOM109GC |
|       | FKM  | 353159 | FKOM209C | 254165 | FKOM209GC |
| 3     | EPDM | 353121 | FKOM110C | 254172 | FKOM110GC |
|       | FKM  | 353167 | FKOM210C | 254166 | FKOM210GC |
| 4     | EPDM | 353122 | FKOM111C | 254173 | FKOM111GC |
|       | FKM  | 353168 | FKOM211C | 254167 | FKOM211GC |
| 5     | EPDM | 353123 | FKOM112C | 254174 | FKOM112GC |
|       | FKM  | 353169 | FKOM212C | 254168 | FKOM212GC |
| 6     | EPDM | 353129 | FKOM113C | 254175 | FKOM113GC |
|       | FKM  | 353170 | FKOM213C | 254169 | FKOM213GC |
| 8     | EPDM | 353130 | FKOM114C | 254176 | FKOM115GC |
|       | FKM  | 353171 | FKOM214C | 254170 | FKOM214GC |
| 10    | EPDM | –      | –        | 254142 | FKOM115GC |
|       | FKM  | –      | –        | 254119 | FKOM215GC |
| 12    | EPDM | –      | –        | 254143 | FKOM116GC |
|       | FKM  | –      | –        | 254164 | FKOM216GC |

Note: PP, PVC, ABS, and PVDF discs are available upon request.  
 14" – 24" butterfly valves are available on request.



These highly versatile valves can be used for simple on/off service but also for processes requiring precise throttling. End-of-line installation of a lugged version allows for downstream piping disassembly with the upstream system still under pressure. The extensive size range and material availability make them suitable for a wide range of applications. With simple, direct mounting for actuation, automated process control can be easily achieved.

## FX SERIES BUTTERFLY VALVES

IPEX FX Series Butterfly Valves offer superior strength and chemical resistance in highly corrosive environments and process flow conditions. The special trapezoid shape of the liner and a serrated body cavity guarantee a bubble tight seal while keeping break-away torque at an absolute minimum. This versatile industrial valve features double self-lubricating seals, direct actuator mount capability, and the option of either a lever handle or mounted gear box. The FX lever handle includes the EasyFit labeling system for valve identification. FX Series Butterfly Valves are part of our complete systems of pipe, valves, and fittings, engineered and manufactured to our strict quality, performance, and dimensional standards.

Pressure Rate: up to 150 psi at 73°F depending on the size

Sizes: 1-1/2" – 12"



| Size<br>(in) | Seal<br>Material | Wafer Style, Lever Handle |             | Wafer Style, Gear Box |             |
|--------------|------------------|---------------------------|-------------|-----------------------|-------------|
|              |                  | Product Code              | Universal # | Product Code          | Universal # |

### FK PVC BODY & PP DISC

|       |      |         |        |          |        |
|-------|------|---------|--------|----------|--------|
| 1-1/2 | EPDM | FXOV107 | 353089 | –        | –      |
|       | FKM  | FXOV207 | 353097 | –        | –      |
| 2     | EPDM | FXOV108 | 353090 | –        | –      |
|       | FKM  | FXOV208 | 353098 | –        | –      |
| 2-1/2 | EPDM | FXOV109 | 052137 | FXOV109G | 254102 |
|       | FKM  | FXOV209 | 052139 | FXOV209G | 254110 |
| 3     | EPDM | FXOV110 | 353091 | FXOV110G | 254103 |
|       | FKM  | FXOV210 | 353099 | FXOV210G | 254111 |
| 4     | EPDM | FXOV111 | 353092 | FXOV111G | 254104 |
|       | FKM  | FXOV211 | 353100 | FXOV211G | 254112 |
| 6     | EPDM | FXOV113 | 353093 | FXOV113G | 254106 |
|       | FKM  | FXOV213 | 353101 | FXOV213G | 254114 |
| 8     | EPDM | FXOV114 | 353094 | FXOV114G | 254107 |
|       | FKM  | FXOV214 | 353102 | FXOV214G | 254115 |
| 10    | EPDM | –       | –      | FXOV115G | 254108 |
|       | FKM  | –       | –      | FXOV215G | 254116 |
| 12    | EPDM | –       | –      | FXOV116G | 254109 |
|       | FKM  | –       | –      | FXOV216G | 254117 |

## FE SERIES BUTTERFLY VALVES

The FE incorporates many of the features and benefits of our industrial FK valve yet is one of the most competitively priced thermoplastic butterfly valves available today. The all PVC construction with EPDM liner makes this valve the perfect choice for applications ranging from swimming pools to chemical processes. The FE can be operated by either a lever handle or mounted gear box.

Pressure Rate: up to 150 psi at 73°F depending on the size  
Sizes: 1-1/2" – 12"

| Size (in)          | Seal Material | Wafer Style  |             | Wafer Style, Gear Box |             |
|--------------------|---------------|--------------|-------------|-----------------------|-------------|
|                    |               | Product Code | Universal # | Product Code          | Universal # |
| FE PVC BODY & DISC |               |              |             |                       |             |
| 1-1/2              | EPDM          | 053202       | FEOV107     | –                     | –           |
| 2                  | EPDM          | 053203       | FEOV108     | –                     | –           |
| 2-1/2              | EPDM          | 053842       | FEOV109     | 253842                | FEOV109G    |
| 3                  | EPDM          | 053081       | FEOV110     | 253081                | FEOV110G    |
| 4                  | EPDM          | 053082       | FEOV111     | 253082                | FEOV111G    |
| 5                  | EPDM          | 053843       | FEOV112     | 253843                | FEOV112G    |
| 6                  | EPDM          | 053083       | FEOV113     | 253083                | FEOV113G    |
| 8                  | EPDM          | 053084       | FEOV114     | 253084                | FEOV114G    |
| 10                 | EPDM          | –            | –           | 052264                | FEOV115G    |
| 12                 | EPDM          | –            | –           | 052265                | FEOV116G    |

NBR and FKM lined valves are available upon request.  
14" – 24" butterfly valves are available on request.



EASYFIT HANDLE



WITH MOUNTED GEAR BOX

These highly versatile valves can be used for simple on/off service but also for processes requiring precise throttling. The extensive size range and material availability make them suitable for a wide range of applications. With simple, direct mounting for actuation, automated process control can be easily achieved.

## DK SERIES DIALOCK® DIAPHRAGM VALVES – MANUAL HANDWHEEL

The new DK series diaphragm valves are available in PVC, CPVC, PP, or PVDF, four body styles, and three choices of diaphragms (EPDM, FKM, or PTFE). Able to be mounted in any position, the DK is ideal solution for modulating flow in either very clean or abrasive slurry applications.

The new innovative and patented Dialock locking mechanism allows the manual handwheel to be adjusted and locked in over 300 positions. The re-designed weir-style body has significantly improved the DK's flow rate compared to the old design and it facilitates precise linear flow regulation through the valve's full range of operation. The new DK is available in manual and pneumatic control styles.

Pressure Rate: up to 150 psi at 73°F

Size: 1/2" – 2-1/2"



| Size (in) | Body Material | Diaphragm Material | IPS Spigot   |             | True Union IPS Socket |             | True Union FNPT Threaded |             | ANSI 150 Flanged |             |
|-----------|---------------|--------------------|--------------|-------------|-----------------------|-------------|--------------------------|-------------|------------------|-------------|
|           |               |                    | Product Code | Universal # | Product Code          | Universal # | Product Code             | Universal # | Product Code     | Universal # |

### Manual Handwheel

|       |      |      |        |         |        |         |        |         |        |         |
|-------|------|------|--------|---------|--------|---------|--------|---------|--------|---------|
| 1/2   | PVC  | EPDM | 354175 | DKYV103 | 354202 | DKUV103 | 354004 | DKFV103 | 354220 | DKOV103 |
|       |      | FKM  | 354184 | DKYV203 | 354214 | DKUV203 | 354016 | DKFV203 | 354229 | DKOV203 |
|       |      | PTFE | 354193 | DKYV303 | 354208 | DKUV303 | 354010 | DKFV303 | 354238 | DKOV303 |
|       | CPVC | EPDM | 354247 | DKYC103 | 354274 | DKUC103 | 354022 | DKFC103 | 354292 | DKOC103 |
|       |      | FKM  | 354256 | DKYC203 | 354280 | DKUC203 | 354028 | DKFC203 | 354301 | DKOC203 |
|       |      | PTFE | 354265 | DKYC303 | 354286 | DKUC303 | 354034 | DKFC303 | 354310 | DKOC303 |
| 3/4   | PVC  | EPDM | 354176 | DKYV104 | 354203 | DKUV104 | 354005 | DKFV104 | 354221 | DKOV104 |
|       |      | FKM  | 354185 | DKYV204 | 354215 | DKUV204 | 354017 | DKFV204 | 354230 | DKOV204 |
|       |      | PTFE | 354194 | DKYV304 | 354209 | DKUV304 | 354011 | DKFV304 | 354239 | DKOV304 |
|       | CPVC | EPDM | 354248 | DKYC104 | 354275 | DKUC104 | 354023 | DKFC104 | 354293 | DKOC104 |
|       |      | FKM  | 354257 | DKYC204 | 354281 | DKUC204 | 354029 | DKFC204 | 354302 | DKOC204 |
|       |      | PTFE | 354266 | DKYC304 | 354287 | DKUC304 | 354035 | DKFC304 | 354311 | DKOC304 |
| 1     | PVC  | EPDM | 354177 | DKYV105 | 354204 | DKUV105 | 354006 | DKFV105 | 354222 | DKOV105 |
|       |      | FKM  | 354186 | DKYV205 | 354216 | DKUV205 | 354018 | DKFV205 | 354231 | DKOV205 |
|       |      | PTFE | 354195 | DKYV305 | 354210 | DKUV305 | 354012 | DKFV305 | 354240 | DKOV305 |
|       | CPVC | EPDM | 354249 | DKYC105 | 354276 | DKUC105 | 354024 | DKFC105 | 354294 | DKOC105 |
|       |      | FKM  | 354258 | DKYC205 | 354282 | DKUC205 | 354030 | DKFC205 | 354303 | DKOC205 |
|       |      | PTFE | 354267 | DKYC305 | 354288 | DKUC305 | 354036 | DKFC305 | 354312 | DKOC305 |
| 1-1/4 | PVC  | EPDM | 354178 | DKYV106 | 354205 | DKUV106 | 354007 | DKFV106 | 354223 | DKOV106 |
|       |      | FKM  | 354187 | DKYV206 | 354217 | DKUV206 | 354019 | DKFV206 | 354232 | DKOV206 |
|       |      | PTFE | 354196 | DKYV306 | 354211 | DKUV306 | 354013 | DKFV306 | 354241 | DKOV306 |
|       | CPVC | EPDM | 354250 | DKYC106 | 354277 | DKUC106 | 354025 | DKFC106 | 354295 | DKOC106 |
|       |      | FKM  | 354259 | DKYC206 | 354283 | DKUC206 | 354031 | DKFC206 | 354304 | DKOC206 |
|       |      | PTFE | 354268 | DKYC306 | 354289 | DKUC306 | 354037 | DKFC306 | 354313 | DKOC306 |
| 1-1/2 | PVC  | EPDM | 354179 | DKYV107 | 354206 | DKUV107 | 354008 | DKFV107 | 354224 | DKOV107 |
|       |      | FKM  | 354188 | DKYV207 | 354218 | DKUV207 | 354020 | DKFV207 | 354233 | DKOV207 |
|       |      | PTFE | 354197 | DKYV307 | 354212 | DKUV307 | 354014 | DKFV307 | 354242 | DKOV307 |
|       | CPVC | EPDM | 354251 | DKYC107 | 354278 | DKUC107 | 354026 | DKFC107 | 354296 | DKOC107 |
|       |      | FKM  | 354260 | DKYC207 | 354284 | DKUC207 | 354032 | DKFC207 | 354305 | DKOC207 |
|       |      | PTFE | 354269 | DKYC307 | 354290 | DKUC307 | 354038 | DKFC307 | 354314 | DKOC307 |
| 2     | PVC  | EPDM | 354180 | DKYV108 | 354207 | DKUV108 | 354009 | DKFV108 | 354225 | DKOV108 |
|       |      | FKM  | 354189 | DKYV208 | 354219 | DKUV208 | 354021 | DKFV208 | 354234 | DKOV208 |
|       |      | PTFE | 354198 | DKYV308 | 354213 | DKUV308 | 354015 | DKFV308 | 354243 | DKOV308 |
|       | CPVC | EPDM | 354252 | DKYC108 | 354279 | DKUC108 | 354027 | DKFC108 | 354297 | DKOC108 |
|       |      | FKM  | 354261 | DKYC208 | 354285 | DKUC208 | 354033 | DKFC208 | 354306 | DKOC208 |
|       |      | PTFE | 354270 | DKYC308 | 354291 | DKUC308 | 354039 | DKFC308 | 354315 | DKOC308 |
| 2-1/2 | PVC  | EPDM | 354181 | DKYV109 | -      | -       | -      | -       | 354226 | DKOV109 |
|       |      | FKM  | 354190 | DKYV209 | -      | -       | -      | -       | 354235 | DKOV209 |
|       |      | PTFE | 354199 | DKYV309 | -      | -       | -      | -       | 354244 | DKOV309 |
|       | CPVC | EPDM | 354253 | DKYC109 | -      | -       | -      | -       | 354298 | DKOC109 |
|       |      | FKM  | 354262 | DKYC209 | -      | -       | -      | -       | 354307 | DKOC209 |
|       |      | PTFE | 354271 | DKYC309 | -      | -       | -      | -       | 354316 | DKOC309 |

Note: Other options are available on request.

Note: EPDM diaphragms have EPDM o-rings, FKM and PTFE diaphragms have FKM o-rings. DK Series Diaphragm valves are made-to-order.

Pressure Rate: up to 150 psi at 73°F

Size: 20mm – 75mm

| Size<br>(mm) | Body<br>Material | Diaphragm<br>Material | Metric Spigot |             | Metric True Union Socket |             |
|--------------|------------------|-----------------------|---------------|-------------|--------------------------|-------------|
|              |                  |                       | Product Code  | Universal # | Product Code             | Universal # |

#### Manual Handwheel

|    |      |      |        |         |        |         |
|----|------|------|--------|---------|--------|---------|
| 20 | PP   | EPDM | 354219 | DKDM103 | 354346 | DKUM103 |
|    |      | FKM  | 354328 | DKDM203 | 354352 | DKUM203 |
|    |      | PTFE | 354337 | DKDM303 | 354358 | DKUM303 |
|    | PVDF | EPDM | 354364 | DKDF103 | 354391 | DKUF103 |
|    |      | FKM  | 354373 | DKDF203 | 354397 | DKUF203 |
|    |      | PTFE | 354382 | DKDF303 | 354403 | DKUF303 |
| 25 | PP   | EPDM | 354220 | DKDM104 | 354347 | DKUM104 |
|    |      | FKM  | 354329 | DKDM204 | 354353 | DKUM204 |
|    |      | PTFE | 354338 | DKDM304 | 354359 | DKUM304 |
|    | PVDF | EPDM | 354365 | DKDF104 | 354392 | DKUF104 |
|    |      | FKM  | 354374 | DKDF204 | 354398 | DKUF204 |
|    |      | PTFE | 354383 | DKDF304 | 354405 | DKUF304 |
| 32 | PP   | EPDM | 354221 | DKDM105 | 354348 | DKUM105 |
|    |      | FKM  | 354330 | DKDM205 | 354354 | DKUM205 |
|    |      | PTFE | 354339 | DKDM305 | 354360 | DKUM305 |
|    | PVDF | EPDM | 354366 | DKDF105 | 354393 | DKUF105 |
|    |      | FKM  | 354375 | DKDF205 | 354399 | DKUF205 |
|    |      | PTFE | 354384 | DKDF305 | 354406 | DKUF305 |
| 40 | PP   | EPDM | 354222 | DKDM106 | 354349 | DKUM106 |
|    |      | FKM  | 354331 | DKDM206 | 354355 | DKUM206 |
|    |      | PTFE | 354340 | DKDM306 | 354361 | DKUM306 |
|    | PVDF | EPDM | 354367 | DKDF106 | 354394 | DKUF106 |
|    |      | FKM  | 354376 | DKDF206 | 354400 | DKUF206 |
|    |      | PTFE | 354385 | DKDF306 | 354407 | DKUF306 |
| 50 | PP   | EPDM | 354323 | DKDM107 | 354350 | DKUM107 |
|    |      | FKM  | 354332 | DKDM207 | 354356 | DKUM207 |
|    |      | PTFE | 354341 | DKDM307 | 354362 | DKUM307 |
|    | PVDF | EPDM | 354368 | DKDF107 | 354395 | DKUF107 |
|    |      | FKM  | 354377 | DKDF207 | 354401 | DKUF207 |
|    |      | PTFE | 354386 | DKDF307 | 354408 | DKUF307 |
| 63 | PP   | EPDM | 354324 | DKDM108 | 354351 | DKUM108 |
|    |      | FKM  | 354333 | DKDM208 | 354357 | DKUM208 |
|    |      | PTFE | 354342 | DKDM308 | 354363 | DKUM308 |
|    | PVDF | EPDM | 354369 | DKDF108 | 354396 | DKUF108 |
|    |      | FKM  | 354378 | DKDF208 | 354402 | DKUF208 |
|    |      | PTFE | 354387 | DKDF308 | 354409 | DKUF308 |
| 75 | PP   | EPDM | 354325 | DKDM109 | -      | -       |
|    |      | FKM  | 354334 | DKDM209 | -      | -       |
|    |      | PTFE | 354343 | DKDM309 | -      | -       |
|    | PVDF | EPDM | 354370 | DKDF109 | -      | -       |
|    |      | FKM  | 354379 | DKDF209 | -      | -       |
|    |      | PTFE | 354388 | DKDF309 | -      | -       |

Note: Other options are available on request.

Note: EPDM diaphragms have EPDM o-rings, FKM and PTFE diaphragms have FKM o-rings. DK Series Diaphragm valves are made-to-order.

## DK SERIES DIALOCK® DIAPHRAGM VALVES – NORMALLY OPEN / PNEUMATIC

The new DK series diaphragm valves are available in PVC, CPVC, PP, or PVDF, four body styles, and three choices of diaphragms (EPDM, FKM, or PTFE). With the ability to be mounted in any position, the DK is ideal solution for modulating flow in either very clean or abrasive slurry applications.

The new innovative and patented Dialock locking mechanism allows the manual handwheel to be adjusted and locked in over 300 positions. The re-designed weir-style body has significantly improved the DK's flow rate compared to the old design and it facilitates precise linear flow regulation through the valve's full range of operation. The new DK is available in manual and pneumatic control styles.



Pressure Rate: up to 150 psi at 73°F

Size: 1/2" – 2-1/2"

| Size<br>(in) | Body<br>Material | Diaphragm<br>Material | IPS Spigot      |             | True Union IPS Socket |             | True Union FNPT Threaded |             | ANSI 150 Flanged |             |
|--------------|------------------|-----------------------|-----------------|-------------|-----------------------|-------------|--------------------------|-------------|------------------|-------------|
|              |                  |                       | Product<br>Code | Universal # | Product<br>Code       | Universal # | Product<br>Code          | Universal # | Product<br>Code  | Universal # |
| 1/2          | PVC              | EPDM                  | 354410          | DKYV103-NO  | 354437                | DKUV103-NO  | 354046                   | DKFV103-NO  | 354455           | DKOV103-NO  |
|              |                  | FKM                   | 354419          | DKYV203-NO  | 354443                | DKUV203-NO  | 354048                   | DKFV203-NO  | 354464           | DKOV203-NO  |
|              |                  | PTFE                  | 354428          | DKYV303-NO  | 354449                | DKUV303-NO  | 354050                   | DKFV303-NO  | 354473           | DKOV303-NO  |
|              | CPVC             | EPDM                  | 354482          | DKYC103-NO  | 354509                | DKUC103-NO  | 354088                   | DKFC103-NO  | 354527           | DKOC103-NO  |
|              |                  | FKM                   | 354491          | DKYC203-NO  | 354515                | DKUC203-NO  | 354090                   | DKFC203-NO  | 354536           | DKOC203-NO  |
|              |                  | PTFE                  | 354500          | DKYC303-NO  | 354521                | DKUC303-NO  | 354092                   | DKFC303-NO  | 354545           | DKOC303-NO  |
| 3/4          | PVC              | EPDM                  | 354411          | DKYV104-NO  | 354438                | DKUV104-NO  | 354047                   | DKFV104-NO  | 354456           | DKOV104-NO  |
|              |                  | FKM                   | 354420          | DKYV204-NO  | 354444                | DKUV204-NO  | 354049                   | DKFV204-NO  | 354465           | DKOV204-NO  |
|              |                  | PTFE                  | 354429          | DKYV304-NO  | 354450                | DKUV304-NO  | 354051                   | DKFV304-NO  | 354474           | DKOV304-NO  |
|              | CPVC             | EPDM                  | 354483          | DKYC104-NO  | 354510                | DKUC104-NO  | 354089                   | DKFC104-NO  | 354528           | DKOC104-NO  |
|              |                  | FKM                   | 354492          | DKYC204-NO  | 354516                | DKUC204-NO  | 354091                   | DKFC204-NO  | 354537           | DKOC204-NO  |
|              |                  | PTFE                  | 354501          | DKYC304-NO  | 354522                | DKUC304-NO  | 354093                   | DKFC304-NO  | 354546           | DKOC304-NO  |
| 1            | PVC              | EPDM                  | 354003          | DKYV105-NO  | 354439                | DKUV105-NO  | 354064                   | DKFV105-NO  | 354457           | DKOV105-NO  |
|              |                  | FKM                   | 354421          | DKYV205-NO  | 354445                | DKUV205-NO  | 354068                   | DKFV205-NO  | 354466           | DKOV205-NO  |
|              |                  | PTFE                  | 354430          | DKYV305-NO  | 354451                | DKUV305-NO  | 354072                   | DKFV305-NO  | 354475           | DKOV305-NO  |
|              | CPVC             | EPDM                  | 354484          | DKYC105-NO  | 354511                | DKUC105-NO  | 354106                   | DKFC105-NO  | 354529           | DKOC105-NO  |
|              |                  | FKM                   | 354493          | DKYC205-NO  | 354517                | DKUC205-NO  | 354110                   | DKFC205-NO  | 354538           | DKOC205-NO  |
|              |                  | PTFE                  | 354502          | DKYC305-NO  | 354523                | DKUC305-NO  | 354114                   | DKFC305-NO  | 354547           | DKOC305-NO  |
| 1-1/4        | PVC              | EPDM                  | 354413          | DKYV106-NO  | 354440                | DKUV106-NO  | 354065                   | DKFV106-NO  | 354458           | DKOV106-NO  |
|              |                  | FKM                   | 354422          | DKYV206-NO  | 354446                | DKUV206-NO  | 354069                   | DKFV206-NO  | 354467           | DKOV206-NO  |
|              |                  | PTFE                  | 354431          | DKYV306-NO  | 354452                | DKUV306-NO  | 354073                   | DKFV306-NO  | 354476           | DKOV306-NO  |
|              | CPVC             | EPDM                  | 354485          | DKYC106-NO  | 354512                | DKUC106-NO  | 354107                   | DKFC106-NO  | 354530           | DKOC106-NO  |
|              |                  | FKM                   | 354494          | DKYC206-NO  | 354518                | DKUC206-NO  | 354111                   | DKFC206-NO  | 354539           | DKOC206-NO  |
|              |                  | PTFE                  | 354503          | DKYC306-NO  | 354524                | DKUC306-NO  | 354115                   | DKFC306-NO  | 354548           | DKOC306-NO  |
| 1-1/2        | PVC              | EPDM                  | 354414          | DKYV107-NO  | 354441                | DKUV107-NO  | 354066                   | DKFV107-NO  | 354459           | DKOV107-NO  |
|              |                  | FKM                   | 354423          | DKYV207-NO  | 354447                | DKUV207-NO  | 354070                   | DKFV207-NO  | 354468           | DKOV207-NO  |
|              |                  | PTFE                  | 354432          | DKYV307-NO  | 354453                | DKUV307-NO  | 354074                   | DKFV307-NO  | 354477           | DKOV307-NO  |
|              | CPVC             | EPDM                  | 354486          | DKYC107-NO  | 354513                | DKUC107-NO  | 354108                   | DKFC107-NO  | 354531           | DKOC107-NO  |
|              |                  | FKM                   | 354495          | DKYC207-NO  | 354519                | DKUC207-NO  | 354112                   | DKFC207-NO  | 354540           | DKOC207-NO  |
|              |                  | PTFE                  | 354504          | DKYC307-NO  | 354525                | DKUC307-NO  | 354116                   | DKFC307-NO  | 354549           | DKOC307-NO  |
| 2            | PVC              | EPDM                  | 354415          | DKYV108-NO  | 354442                | DKUV108-NO  | 354067                   | DKFV108-NO  | 354460           | DKOV108-NO  |
|              |                  | FKM                   | 354424          | DKYV208-NO  | 354448                | DKUV208-NO  | 354071                   | DKFV208-NO  | 354469           | DKOV208-NO  |
|              |                  | PTFE                  | 354433          | DKYV308-NO  | 354454                | DKUV308-NO  | 354075                   | DKFV308-NO  | 354478           | DKOV308-NO  |
|              | CPVC             | EPDM                  | 354487          | DKYC108-NO  | 354514                | DKUC108-NO  | 354109                   | DKFC108-NO  | 354532           | DKOC108-NO  |
|              |                  | FKM                   | 354496          | DKYC208-NO  | 354520                | DKUC208-NO  | 354113                   | DKFC208-NO  | 354541           | DKOC208-NO  |
|              |                  | PTFE                  | 354505          | DKYC308-NO  | 354526                | DKUC308-NO  | 354117                   | DKFC308-NO  | 354550           | DKOC308-NO  |
| 2-1/2        | PVC              | EPDM                  | 354416          | DKYV109-NO  | -                     | -           | -                        | -           | 354461           | DKOV109-NO  |
|              |                  | FKM                   | 354425          | DKYV209-NO  | -                     | -           | -                        | -           | 354470           | DKOV209-NO  |
|              |                  | PTFE                  | 354434          | DKYV309-NO  | -                     | -           | -                        | -           | 354479           | DKOV309-NO  |
|              | CPVC             | EPDM                  | 354488          | DKYC109-NO  | -                     | -           | -                        | -           | 354533           | DKOC109-NO  |
|              |                  | FKM                   | 354497          | DKYC209-NO  | -                     | -           | -                        | -           | 354542           | DKOC209-NO  |
|              |                  | PTFE                  | 354506          | DKYC309-NO  | -                     | -           | -                        | -           | 354551           | DKOC309-NO  |

Note: Other options are available on request.

Note: EPDM diaphragms have EPDM o-rings, FKM and PTFE diaphragms have FKM o-rings.  
DK Series Diaphragm valves are made-to-order.

Pressure Rate: up to 150 psi at 73°F

Size: 20mm – 75mm

| Size (mm) | Body Material | Diaphragm Material | Metric Spigot |             | Metric True Union Socket |             |
|-----------|---------------|--------------------|---------------|-------------|--------------------------|-------------|
|           |               |                    | Product Code  | Universal # | Product Code             | Universal # |
| 20        | PP            | EPDM               | 354554        | DKDM103-NO  | 354581                   | DKUM103-NO  |
|           |               | FKM                | 354563        | DKDM203-NO  | 354587                   | DKUM203-NO  |
|           |               | PTFE               | 354572        | DKDM303-NO  | 354593                   | DKUM303-NO  |
|           | PVDF          | EPDM               | 354599        | DKDF103-NO  | 354582                   | DKUM104-NO  |
|           |               | FKM                | 354608        | DKDF203-NO  | 354588                   | DKUM204-NO  |
|           |               | PTFE               | 354617        | DKDF303-NO  | 354594                   | DKUM304-NO  |
| 25        | PP            | EPDM               | 354555        | DKDM104-NO  | 354626                   | DKUF103-NO  |
|           |               | FKM                | 354564        | DKDM204-NO  | 354632                   | DKUF203-NO  |
|           |               | PTFE               | 354573        | DKDM304-NO  | 354638                   | DKUF303-NO  |
|           | PVDF          | EPDM               | 354600        | DKDF104-NO  | 354627                   | DKUF104-NO  |
|           |               | FKM                | 354609        | DKDF204-NO  | 354633                   | DKUF204-NO  |
|           |               | PTFE               | 354618        | DKDF304-NO  | 354639                   | DKUF304-NO  |
| 32        | PP            | EPDM               | 354556        | DKDM105-NO  | 354583                   | DKUM105-NO  |
|           |               | FKM                | 354565        | DKDM205-NO  | 354589                   | DKUM205-NO  |
|           |               | PTFE               | 354574        | DKDM305-NO  | 354595                   | DKUM305-NO  |
|           | PVDF          | EPDM               | 354601        | DKDF105-NO  | 354584                   | DKUM106-NO  |
|           |               | FKM                | 354610        | DKDF205-NO  | 354590                   | DKUM206-NO  |
|           |               | PTFE               | 354619        | DKDF305-NO  | 354596                   | DKUM306-NO  |
| 40        | PP            | EPDM               | 354557        | DKDM106-NO  | 354585                   | DKUM107-NO  |
|           |               | FKM                | 354566        | DKDM206-NO  | 354628                   | DKUF105-NO  |
|           |               | PTFE               | 354575        | DKDM306-NO  | 354634                   | DKUF205-NO  |
|           | PVDF          | EPDM               | 354602        | DKDF106-NO  | 354640                   | DKUF305-NO  |
|           |               | FKM                | 354611        | DKDF206-NO  | 354629                   | DKUF106-NO  |
|           |               | PTFE               | 354620        | DKDF306-NO  | 354635                   | DKUF206-NO  |
| 50        | PP            | EPDM               | 354558        | DKDM107-NO  | 354641                   | DKUF306-NO  |
|           |               | FKM                | 354567        | DKDM207-NO  | 354630                   | DKUF107-NO  |
|           |               | PTFE               | 354576        | DKDM307-NO  | 354591                   | DKUM207-NO  |
|           | PVDF          | EPDM               | 354603        | DKDF107-NO  | 354597                   | DKUM307-NO  |
|           |               | FKM                | 354612        | DKDF207-NO  | 354586                   | DKUM108-NO  |
|           |               | PTFE               | 354621        | DKDF307-NO  | 354592                   | DKUM208-NO  |
| 63        | PP            | EPDM               | 354559        | DKDM108-NO  | 354598                   | DKUM308-NO  |
|           |               | FKM                | 354568        | DKDM208-NO  | 354636                   | DKUF207-NO  |
|           |               | PTFE               | 354577        | DKDM308-NO  | 354642                   | DKUF307-NO  |
|           | PVDF          | EPDM               | 354604        | DKDF108-NO  | 354631                   | DKUF108-NO  |
|           |               | FKM                | 354613        | DKDF208-NO  | 354637                   | DKUF208-NO  |
|           |               | PTFE               | 354622        | DKDF308-NO  | 354643                   | DKUF308-NO  |
| 75        | PP            | EPDM               | 354560        | DKDM109-NO  | -                        | -           |
|           |               | FKM                | 354569        | DKDM209-NO  | -                        | -           |
|           |               | PTFE               | 354578        | DKDM309-NO  | -                        | -           |
|           | PVDF          | EPDM               | 354605        | DKDF109-NO  | -                        | -           |
|           |               | FKM                | 354614        | DKDF209-NO  | -                        | -           |
|           |               | PTFE               | 354623        | DKDF309-NO  | -                        | -           |

Note: Other options are available on request.

Note: EPDM diaphragms have EPDM o-rings, FKM and PTFE diaphragms have FKPM o-rings.  
DK Series Diaphragm valves are made-to-order.

## DK SERIES DIALOCK® DIAPHRAGM VALVES – DOUBLE ACTING PNEUMATIC



Pressure Rate: up to 150 psi at 73°F

Size: 1/2" – 2-1/2"

| Size<br>(in) | Body<br>Material | Diaphragm<br>Material | IPS Spigot      |             | True Union<br>IPS Socket |             | True Union FNPT<br>Threaded |             | ANSI 150 Flanged |             |
|--------------|------------------|-----------------------|-----------------|-------------|--------------------------|-------------|-----------------------------|-------------|------------------|-------------|
|              |                  |                       | Product<br>Code | Universal # | Product<br>Code          | Universal # | Product<br>Code             | Universal # | Product<br>Code  | Universal # |
| 1/2          | PVC              | EPDM                  | 354040          | DKYV103-DA  | 354052                   | DKUV103-DA  | 354058                      | DKFV103-DA  | 354076           | DKOV103-DA  |
|              |                  | FKM                   | 354042          | DKYV203-DA  | 354054                   | DKUV203-DA  | 354060                      | DKFV203-DA  | 354078           | DKOV203-DA  |
|              |                  | PTFE                  | 354044          | DKYV303-DA  | 354056                   | DKUV303-DA  | 354062                      | DKFV303-DA  | 354080           | DKOV303-DA  |
|              | CPVC             | EPDM                  | 354082          | DKYC103-DA  | 354094                   | DKUC103-DA  | 354100                      | DKFC103-DA  | 354118           | DKOC103-DA  |
|              |                  | FKM                   | 354084          | DKYC203-DA  | 354096                   | DKUC203-DA  | 354102                      | DKFC203-DA  | 354120           | DKOC203-DA  |
|              |                  | PTFE                  | 354086          | DKYC303-DA  | 354098                   | DKUC303-DA  | 354104                      | DKFC303-DA  | 354122           | DKOC303-DA  |
| 3/4          | PVC              | EPDM                  | 354041          | DKYV104-DA  | 354053                   | DKUV104-DA  | 354059                      | DKFV104-DA  | 354077           | DKOV104-DA  |
|              |                  | FKM                   | 354043          | DKYV204-DA  | 354055                   | DKUV204-DA  | 354061                      | DKFV204-DA  | 354079           | DKOV204-DA  |
|              |                  | PTFE                  | 354045          | DKYV304-DA  | 354057                   | DKUV304-DA  | 354063                      | DKFV304-DA  | 354081           | DKOV304-DA  |
|              | CPVC             | EPDM                  | 354083          | DKYC104-DA  | 354095                   | DKUC104-DA  | 354101                      | DKFC104-DA  | 354119           | DKOC104-DA  |
|              |                  | FKM                   | 354085          | DKYC204-DA  | 354097                   | DKUC204-DA  | 354103                      | DKFC204-DA  | 354121           | DKOC204-DA  |
|              |                  | PTFE                  | 354087          | DKYC304-DA  | 354099                   | DKUC304-DA  | 354105                      | DKFC304-DA  | 354123           | DKOC304-DA  |
| 1            | PVC              | EPDM                  | 354417          | DKYV105-DA  | 354661                   | DKUV105-DA  | 354418                      | DKFV105-DA  | 354733           | DKOV105-DA  |
|              |                  | FKM                   | 354580          | DKYV205-DA  | 354697                   | DKUV205-DA  | 354436                      | DKFV205-DA  | 354777           | DKOV205-DA  |
|              |                  | PTFE                  | 354624          | DKYV305-DA  | 354715                   | DKUV305-DA  | 354472                      | DKFV305-DA  | 354796           | DKOV305-DA  |
|              | CPVC             | EPDM                  | 354815          | DKYC105-DA  | 354896                   | DKUC105-DA  | 354490                      | DKFC105-DA  | 354908           | DKOC105-DA  |
|              |                  | FKM                   | 354853          | DKYC205-DA  | 354900                   | DKUC205-DA  | 354508                      | DKFC205-DA  | 354913           | DKOC205-DA  |
|              |                  | PTFE                  | 354891          | DKYC305-DA  | 354904                   | DKUC305-DA  | 354544                      | DKFC305-DA  | 354918           | DKOC305-DA  |
| 1-1/4        | PVC              | EPDM                  | 354562          | DKYV106-DA  | 354669                   | DKUV106-DA  | 354426                      | DKFV106-DA  | 354741           | DKOV106-DA  |
|              |                  | FKM                   | 354606          | DKYV206-DA  | 354705                   | DKUV206-DA  | 354462                      | DKFV206-DA  | 354778           | DKOV206-DA  |
|              |                  | PTFE                  | 354625          | DKYV306-DA  | 354723                   | DKUV306-DA  | 354480                      | DKFV306-DA  | 354797           | DKOV306-DA  |
|              | CPVC             | EPDM                  | 354818          | DKYC106-DA  | 354897                   | DKUC106-DA  | 354498                      | DKFC106-DA  | 354909           | DKOC106-DA  |
|              |                  | FKM                   | 354861          | DKYC206-DA  | 354901                   | DKUC206-DA  | 354534                      | DKFC206-DA  | 354914           | DKOC206-DA  |
|              |                  | PTFE                  | 354892          | DKYC306-DA  | 354905                   | DKUC306-DA  | 354552                      | DKFC306-DA  | 354919           | DKOC306-DA  |
| 1-1/2        | PVC              | EPDM                  | 354570          | DKYV107-DA  | 354670                   | DKUV107-DA  | 354427                      | DKFV107-DA  | 354742           | DKOV107-DA  |
|              |                  | FKM                   | 354607          | DKYV207-DA  | 354706                   | DKUV207-DA  | 354463                      | DKFV207-DA  | 354779           | DKOV207-DA  |
|              |                  | PTFE                  | 354651          | DKYV307-DA  | 354724                   | DKUV307-DA  | 354481                      | DKFV307-DA  | 354805           | DKOV307-DA  |
|              | CPVC             | EPDM                  | 354843          | DKYC107-DA  | 354898                   | DKUC107-DA  | 354499                      | DKFC107-DA  | 354910           | DKOC107-DA  |
|              |                  | FKM                   | 354862          | DKYC207-DA  | 354902                   | DKUC207-DA  | 354535                      | DKFC207-DA  | 354915           | DKOC207-DA  |
|              |                  | PTFE                  | 354893          | DKYC307-DA  | 354906                   | DKUC307-DA  | 354553                      | DKFC307-DA  | 354920           | DKOC307-DA  |
| 2            | PVC              | EPDM                  | 354571          | DKYV108-DA  | 354696                   | DKUV108-DA  | 354435                      | DKFV108-DA  | 354768           | DKOV108-DA  |
|              |                  | FKM                   | 354615          | DKYV208-DA  | 354714                   | DKUV208-DA  | 354471                      | DKFV208-DA  | 354787           | DKOV208-DA  |
|              |                  | PTFE                  | 354652          | DKYV308-DA  | 354732                   | DKUV308-DA  | 354489                      | DKFV308-DA  | 354806           | DKOV308-DA  |
|              | CPVC             | EPDM                  | 354844          | DKYC108-DA  | 354899                   | DKUC108-DA  | 354507                      | DKFC108-DA  | 354911           | DKOC108-DA  |
|              |                  | FKM                   | 354889          | DKYC208-DA  | 354903                   | DKUC208-DA  | 354543                      | DKFC208-DA  | 354916           | DKOC208-DA  |
|              |                  | PTFE                  | 354894          | DKYC308-DA  | 354907                   | DKUC308-DA  | 354561                      | DKFC308-DA  | 354921           | DKOC308-DA  |
| 2-1/2        | PVC              | EPDM                  | 354579          | DKYV109-DA  | -                        | -           | -                           | -           | 354769           | DKOV109-DA  |
|              |                  | FKM                   | 354616          | DKYV209-DA  | -                        | -           | -                           | -           | 354788           | DKOV209-DA  |
|              |                  | PTFE                  | 354660          | DKYV309-DA  | -                        | -           | -                           | -           | 354814           | DKOV309-DA  |
|              | CPVC             | EPDM                  | 354852          | DKYC109-DA  | -                        | -           | -                           | -           | 354912           | DKOC109-DA  |
|              |                  | FKM                   | 354890          | DKYC209-DA  | -                        | -           | -                           | -           | 354917           | DKOC209-DA  |
|              |                  | PTFE                  | 354895          | DKYC309-DA  | -                        | -           | -                           | -           | 354922           | DKOC309-DA  |

Note: Other options are available on request.

Note: EPDM diaphragms have EPDM o-rings, FKM and PTFE diaphragms have FKM o-rings.  
DK Series Diaphragm valves are made-to-order.

Pressure Rate: up to 150 psi at 73°F

Size: 20mm – 75mm

| Size (mm) | Body Material | Diaphragm Material | Metric Spigot |             | Metric True Union Socket |             |
|-----------|---------------|--------------------|---------------|-------------|--------------------------|-------------|
|           |               |                    | Product Code  | Universal # | Product Code             | Universal # |
| 20        | PP            | EPDM               | 354124        | DKDM103-DA  | 354130                   | DKUM103-DA  |
|           |               | FKM                | 354126        | DKDM203-DA  | 354132                   | DKUM203-DA  |
|           |               | PTFE               | 354128        | DKDM303-DA  | 354134                   | DKUM303-DA  |
|           | PVDF          | EPDM               | 354172        | DKDF103-DA  | 354883                   | DKUF103-DA  |
|           |               | FKM                | 354174        | DKDF203-DA  | 354885                   | DKUF203-DA  |
|           |               | PTFE               | 354881        | DKDF303-DA  | 354887                   | DKUF303-DA  |
| 25        | PP            | EPDM               | 354125        | DKDM104-DA  | 354131                   | DKUM104-DA  |
|           |               | FKM                | 354127        | DKDM204-DA  | 354133                   | DKUM204-DA  |
|           |               | PTFE               | 354129        | DKDM304-DA  | 354135                   | DKUM304-DA  |
|           | PVDF          | EPDM               | 354173        | DKDF104-DA  | 354884                   | DKUF104-DA  |
|           |               | FKM                | 354880        | DKDF204-DA  | 354886                   | DKUF204-DA  |
|           |               | PTFE               | 354882        | DKDF304-DA  | 354888                   | DKUF304-DA  |
| 32        | PP            | EPDM               | 354923        | DKDM105-DA  | 354938                   | DKUM105-DA  |
|           |               | FKM                | 354928        | DKDM205-DA  | 354942                   | DKUM205-DA  |
|           |               | PTFE               | 354933        | DKDM305-DA  | 354946                   | DKUM305-DA  |
|           | PVDF          | EPDM               | 354950        | DKDF105-DA  | 354965                   | DKUF105-DA  |
|           |               | FKM                | 354955        | DKDF205-DA  | 354969                   | DKUF205-DA  |
|           |               | PTFE               | 354960        | DKDF305-DA  | 354973                   | DKUF305-DA  |
| 40        | PP            | EPDM               | 354924        | DKDM106-DA  | 354939                   | DKUM106-DA  |
|           |               | FKM                | 354929        | DKDM206-DA  | 354943                   | DKUM206-DA  |
|           |               | PTFE               | 354934        | DKDM306-DA  | 354947                   | DKUM306-DA  |
|           | PVDF          | EPDM               | 354951        | DKDF106-DA  | 354966                   | DKUF106-DA  |
|           |               | FKM                | 354956        | DKDF206-DA  | 354970                   | DKUF206-DA  |
|           |               | PTFE               | 354961        | DKDF306-DA  | 354974                   | DKUF306-DA  |
| 50        | PP            | EPDM               | 354925        | DKDM107-DA  | 354940                   | DKUM107-DA  |
|           |               | FKM                | 354930        | DKDM207-DA  | 354944                   | DKUM207-DA  |
|           |               | PTFE               | 354935        | DKDM307-DA  | 354948                   | DKUM307-DA  |
|           | PVDF          | EPDM               | 354952        | DKDF107-DA  | 354967                   | DKUF107-DA  |
|           |               | FKM                | 354957        | DKDF207-DA  | 354971                   | DKUF207-DA  |
|           |               | PTFE               | 354962        | DKDF307-DA  | 354975                   | DKUF307-DA  |
| 63        | PP            | EPDM               | 354926        | DKDM108-DA  | 354941                   | DKUM108-DA  |
|           |               | FKM                | 354931        | DKDM208-DA  | 354945                   | DKUM208-DA  |
|           |               | PTFE               | 354936        | DKDM308-DA  | 354949                   | DKUM308-DA  |
|           | PVDF          | EPDM               | 354953        | DKDF108-DA  | 354968                   | DKUF108-DA  |
|           |               | FKM                | 354958        | DKDF208-DA  | 354972                   | DKUF208-DA  |
|           |               | PTFE               | 354963        | DKDF308-DA  | 354976                   | DKUF308-DA  |
| 75        | PP            | EPDM               | 354927        | DKDM109-DA  | -                        | -           |
|           |               | FKM                | 354932        | DKDM209-DA  | -                        | -           |
|           |               | PTFE               | 354937        | DKDM309-DA  | -                        | -           |
|           | PVDF          | EPDM               | 354954        | DKDF109-DA  | -                        | -           |
|           |               | FKM                | 354959        | DKDF209-DA  | -                        | -           |
|           |               | PTFE               | 354964        | DKDF309-DA  | -                        | -           |

Note: Other options are available on request.

Note: EPDM diaphragms have EPDM o-rings, FKM and PTFE diaphragms have FKPM o-rings.  
DK Series Diaphragm valves are made-to-order.

## DK SERIES DIALOCK® DIAPHRAGM VALVES – NORMALLY CLOSED PNEUMATIC



Pressure Rate: up to 150 psi at 73°F  
Size: 1/2" – 2-1/2"

| Size (in) | Body Material | Diaphragm Material | IPS Spigot   |             | True Union IPS Socket |             | True Union FNPT Threaded |             | ANSI 150 Flanged |             |
|-----------|---------------|--------------------|--------------|-------------|-----------------------|-------------|--------------------------|-------------|------------------|-------------|
|           |               |                    | Product Code | Universal # | Product Code          | Universal # | Product Code             | Universal # | Product Code     | Universal # |
| 1/2       | PVC           | EPDM               | 354644       | DKYV103-NC  | 354671                | DKUV103-NC  | 354136                   | DKFV103-NC  | 354689           | DKOV103-NC  |
|           |               | FKM                | 354653       | DKYV203-NC  | 354677                | DKUV203-NC  | 354142                   | DKFV203-NC  | 354698           | DKOV203-NC  |
|           |               | PTFE               | 354662       | DKYV303-NC  | 354683                | DKUV303-NC  | 354148                   | DKFV303-NC  | 354707           | DKOV303-NC  |
|           | CPVC          | EPDM               | 354716       | DKYC103-NC  | 354743                | DKUC103-NC  | 354154                   | DKFC103-NC  | 354761           | DKOC103-NC  |
|           |               | FKM                | 354725       | DKYC203-NC  | 354749                | DKUC203-NC  | 354160                   | DKFC203-NC  | 354770           | DKOC203-NC  |
|           |               | PTFE               | 354734       | DKYC303-NC  | 354755                | DKUC303-NC  | 354166                   | DKFC303-NC  | 354780           | DKOC303-NC  |
| 3/4       | PVC           | EPDM               | 354645       | DKYV104-NC  | 354672                | DKUV104-NC  | 354137                   | DKFV104-NC  | 354690           | DKOV104-NC  |
|           |               | FKM                | 354654       | DKYV204-NC  | 354678                | DKUV204-NC  | 354143                   | DKFV204-NC  | 354699           | DKOV204-NC  |
|           |               | PTFE               | 354663       | DKYV304-NC  | 354684                | DKUV304-NC  | 354149                   | DKFV304-NC  | 354708           | DKOV304-NC  |
|           | CPVC          | EPDM               | 354717       | DKYC104-NC  | 354744                | DKUC104-NC  | 354155                   | DKFC104-NC  | 354762           | DKOC104-NC  |
|           |               | FKM                | 354726       | DKYC204-NC  | 354750                | DKUC204-NC  | 354161                   | DKFC204-NC  | 354771           | DKOC204-NC  |
|           |               | PTFE               | 354735       | DKYC304-NC  | 354756                | DKUC304-NC  | 354167                   | DKFC304-NC  | 354781           | DKOC304-NC  |
| 1         | PVC           | EPDM               | 354646       | DKYV105-NC  | 354673                | DKUV105-NC  | 354138                   | DKFV105-NC  | 354691           | DKOV105-NC  |
|           |               | FKM                | 354655       | DKYV205-NC  | 354679                | DKUV205-NC  | 354144                   | DKFV205-NC  | 354700           | DKOV205-NC  |
|           |               | PTFE               | 354664       | DKYV305-NC  | 354685                | DKUV305-NC  | 354150                   | DKFV305-NC  | 354709           | DKOV305-NC  |
|           | CPVC          | EPDM               | 354718       | DKYC105-NC  | 354745                | DKUC105-NC  | 354156                   | DKFC105-NC  | 354763           | DKOC105-NC  |
|           |               | FKM                | 354727       | DKYC205-NC  | 354751                | DKUC205-NC  | 354162                   | DKFC205-NC  | 354772           | DKOC205-NC  |
|           |               | PTFE               | 354736       | DKYC305-NC  | 354757                | DKUC305-NC  | 354168                   | DKFC305-NC  | 354782           | DKOC305-NC  |
| 1-1/4     | PVC           | EPDM               | 354647       | DKYV106-NC  | 354674                | DKUV106-NC  | 354139                   | DKFV106-NC  | 354692           | DKOV106-NC  |
|           |               | FKM                | 354656       | DKYV206-NC  | 354680                | DKUV206-NC  | 354145                   | DKFV206-NC  | 354701           | DKOV206-NC  |
|           |               | PTFE               | 354665       | DKYV306-NC  | 354686                | DKUV306-NC  | 354151                   | DKFV306-NC  | 354710           | DKOV306-NC  |
|           | CPVC          | EPDM               | 354719       | DKYC106-NC  | 354746                | DKUC106-NC  | 354157                   | DKFC106-NC  | 354764           | DKOC106-NC  |
|           |               | FKM                | 354728       | DKYC206-NC  | 354752                | DKUC206-NC  | 354163                   | DKFC206-NC  | 354773           | DKOC206-NC  |
|           |               | PTFE               | 354737       | DKYC306-NC  | 354758                | DKUC306-NC  | 354169                   | DKFC306-NC  | 354783           | DKOC306-NC  |
| 1-1/2     | PVC           | EPDM               | 354648       | DKYV107-NC  | 354675                | DKUV107-NC  | 354140                   | DKFV107-NC  | 354693           | DKOV107-NC  |
|           |               | FKM                | 354657       | DKYV207-NC  | 354681                | DKUV207-NC  | 354146                   | DKFV207-NC  | 354702           | DKOV207-NC  |
|           |               | PTFE               | 354666       | DKYV307-NC  | 354687                | DKUV307-NC  | 354152                   | DKFV307-NC  | 354711           | DKOV307-NC  |
|           | CPVC          | EPDM               | 354720       | DKYC107-NC  | 354747                | DKUC107-NC  | 354158                   | DKFC107-NC  | 354765           | DKOC107-NC  |
|           |               | FKM                | 354729       | DKYC207-NC  | 354753                | DKUC207-NC  | 354164                   | DKFC207-NC  | 354774           | DKOC207-NC  |
|           |               | PTFE               | 354738       | DKYC307-NC  | 354759                | DKUC307-NC  | 354170                   | DKFC307-NC  | 354784           | DKOC307-NC  |
| 2         | PVC           | EPDM               | 354649       | DKYV108-NC  | 354676                | DKUV108-NC  | 354141                   | DKFV108-NC  | 354694           | DKOV108-NC  |
|           |               | FKM                | 354658       | DKYV208-NC  | 354682                | DKUV208-NC  | 354147                   | DKFV208-NC  | 354703           | DKOV208-NC  |
|           |               | PTFE               | 354667       | DKYV308-NC  | 354688                | DKUV308-NC  | 354153                   | DKFV308-NC  | 354712           | DKOV308-NC  |
|           | CPVC          | EPDM               | 354721       | DKYC108-NC  | 354748                | DKUC108-NC  | 354159                   | DKFC108-NC  | 354766           | DKOC108-NC  |
|           |               | FKM                | 354730       | DKYC208-NC  | 354754                | DKUC208-NC  | 354165                   | DKFC208-NC  | 354775           | DKOC208-NC  |
|           |               | PTFE               | 354739       | DKYC308-NC  | 354760                | DKUC308-NC  | 354171                   | DKFC308-NC  | 354785           | DKOC308-NC  |
| 2-1/2     | PVC           | EPDM               | 354650       | DKYV109-NC  | -                     | -           | -                        | -           | 354695           | DKOV109-NC  |
|           |               | FKM                | 354659       | DKYV209-NC  | -                     | -           | -                        | -           | 354704           | DKOV209-NC  |
|           |               | PTFE               | 354668       | DKYV309-NC  | -                     | -           | -                        | -           | 354713           | DKOV309-NC  |
|           | CPVC          | EPDM               | 354722       | DKYC109-NC  | -                     | -           | -                        | -           | 354767           | DKOC109-NC  |
|           |               | FKM                | 354731       | DKYC209-NC  | -                     | -           | -                        | -           | 354776           | DKOC209-NC  |
|           |               | PTFE               | 354740       | DKYC309-NC  | -                     | -           | -                        | -           | 354786           | DKOC309-NC  |

Note: Other options are available on request.

Note: EPDM diaphragms have EPDM o-rings, FKM and PTFE diaphragms have FKM o-rings.  
DK Series Diaphragm valves are made-to-order.

Pressure Rate: up to 150 psi at 73°F  
Size: 20mm – 75mm

| Size (mm) | Body Material | Diaphragm Material | Metric Spigot |             | Metric True Union Socket |             |
|-----------|---------------|--------------------|---------------|-------------|--------------------------|-------------|
|           |               |                    | Product Code  | Universal # | Product Code             | Universal # |
| 20        | PP            | EPDM               | 354789        | DKDM103-NC  | 354816                   | DKUM103-NC  |
|           |               | FKM                | 354798        | DKDM203-NC  | 354824                   | DKUM203-NC  |
|           |               | PTFE               | 354807        | DKDM303-NC  | 354830                   | DKUM303-NC  |
|           | PVDF          | EPDM               | 354836        | DKDF103-NC  | 354863                   | DKUF103-NC  |
|           |               | FKM                | 354845        | DKDF203-NC  | 354868                   | DKUF203-NC  |
|           |               | PTFE               | 354854        | DKDF303-NC  | 354874                   | DKUF303-NC  |
| 25        | PP            | EPDM               | 354790        | DKDM104-NC  | 354819                   | DKUM104-NC  |
|           |               | FKM                | 354799        | DKDM204-NC  | 354825                   | DKUM204-NC  |
|           |               | PTFE               | 354808        | DKDM304-NC  | 354831                   | DKUM304-NC  |
|           | PVDF          | EPDM               | 354837        | DKDF104-NC  | 354864                   | DKUF104-NC  |
|           |               | FKM                | 354846        | DKDF204-NC  | 354869                   | DKUF204-NC  |
|           |               | PTFE               | 354855        | DKDF304-NC  | 354875                   | DKUF304-NC  |
| 32        | PP            | EPDM               | 354791        | DKDM105-NC  | 354820                   | DKUM105-NC  |
|           |               | FKM                | 354800        | DKDM205-NC  | 354826                   | DKUM205-NC  |
|           |               | PTFE               | 354809        | DKDM305-NC  | 354832                   | DKUM305-NC  |
|           | PVDF          | EPDM               | 354838        | DKDF105-NC  | 354817                   | DKUF105-NC  |
|           |               | FKM                | 354847        | DKDF205-NC  | 354870                   | DKUF205-NC  |
|           |               | PTFE               | 354856        | DKDF305-NC  | 354876                   | DKUF305-NC  |
| 40        | PP            | EPDM               | 354792        | DKDM106-NC  | 354821                   | DKUM106-NC  |
|           |               | FKM                | 354801        | DKDM206-NC  | 354827                   | DKUM206-NC  |
|           |               | PTFE               | 354810        | DKDM306-NC  | 354833                   | DKUM306-NC  |
|           | PVDF          | EPDM               | 354839        | DKDF106-NC  | 354865                   | DKUF106-NC  |
|           |               | FKM                | 354848        | DKDF206-NC  | 354871                   | DKUF206-NC  |
|           |               | PTFE               | 354857        | DKDF306-NC  | 354877                   | DKUF306-NC  |
| 50        | PP            | EPDM               | 354793        | DKDM107-NC  | 354822                   | DKUM107-NC  |
|           |               | FKM                | 354802        | DKDM207-NC  | 354828                   | DKUM207-NC  |
|           |               | PTFE               | 354811        | DKDM307-NC  | 354834                   | DKUM307-NC  |
|           | PVDF          | EPDM               | 354840        | DKDF107-NC  | 354866                   | DKUF107-NC  |
|           |               | FKM                | 354849        | DKDF207-NC  | 354872                   | DKUF207-NC  |
|           |               | PTFE               | 354858        | DKDF307-NC  | 354878                   | DKUF307-NC  |
| 63        | PP            | EPDM               | 354794        | DKDM108-NC  | 354823                   | DKUM108-NC  |
|           |               | FKM                | 354803        | DKDM208-NC  | 354829                   | DKUM208-NC  |
|           |               | PTFE               | 354812        | DKDM308-NC  | 354835                   | DKUM308-NC  |
|           | PVDF          | EPDM               | 354841        | DKDF108-NC  | 354867                   | DKUF108-NC  |
|           |               | FKM                | 354850        | DKDF208-NC  | 354873                   | DKUF208-NC  |
|           |               | PTFE               | 354859        | DKDF308-NC  | 354879                   | DKUF308-NC  |
| 75        | PP            | EPDM               | 354795        | DKDM109-NC  | -                        | -           |
|           |               | FKM                | 354804        | DKDM209-NC  | -                        | -           |
|           |               | PTFE               | 354813        | DKDM309-NC  | -                        | -           |
|           | PVDF          | EPDM               | 354842        | DKDF109-NC  | -                        | -           |
|           |               | FKM                | 354851        | DKDF209-NC  | -                        | -           |
|           |               | PTFE               | 354860        | DKDF309-NC  | -                        | -           |

Note: Other options are available on request.

Note: EPDM diaphragms have EPDM o-rings, FKM and PTFE diaphragms have FKPM o-rings.  
DK Series Diaphragm valves are made-to-order.

## DK DIAPHRAGM VALVES – OPTIONS & ACCESSORIES

IPEX DK diaphragm valves can be pneumatically actuated providing precise control of critical applications. The normally closed (fail close), normally open (fail open), and double acting DK valves make up of one of the most extensive ranges in the industry. All pneumatic diaphragm valves can be outfitted with many options and accessories such as: stroke limiters, optical and electric position indicators, electro-pneumatic positioners, pilot valves, and various combinations thereof.

| Valve Series | Size inches | Product Code | Universal Number |
|--------------|-------------|--------------|------------------|
|--------------|-------------|--------------|------------------|

### Electrical Position Indicator, 1 Mechanical Switch



|         |           |        |  |
|---------|-----------|--------|--|
| DK / NC | 1/2 – 3/4 | 154472 |  |
| DK / NC | 1 – 1-1/4 | 054953 |  |
| DK / NC | 1-1/2     | 054954 |  |
| DK / NC | 2 – 2-1/2 | 054955 |  |

### Microswitch Box, 2 Electromechanical Switches (IP 65)



|            |           |        |  |
|------------|-----------|--------|--|
| DK / NO-DA | 1/2 – 3/4 | 154474 |  |
| DK / NC    | 1/2 – 3/4 | 154473 |  |
| DK / NO-DA | 1 – 2 1/2 | 054969 |  |
| DK / NC    | 1 – 1 1/2 | 054967 |  |
| DK / NC    | 2 – 2 1/2 | 054968 |  |

### Microswitch Box, 2 Inductive Switches (IP 65, NAMUR\*, SAFETY CLASS: Eex ia IIC T6)



|            |           |        |  |
|------------|-----------|--------|--|
| DK / NO-DA | 1/2 – 3/4 | 154477 |  |
| DK / NC    | 1/2 – 3/4 | 154476 |  |
| DK / NO-DA | 1 – 2-1/2 | 054972 |  |
| DK / NC    | 1 – 1-1/2 | 054970 |  |
| DK / NC    | 2 – 2-1/2 | 054971 |  |

\* to be used with an amplifier

### Optical Position Indicator



|               |           |        |  |
|---------------|-----------|--------|--|
| DK / DA-NO-NC | 1 – 2-1/2 | 054997 |  |
|---------------|-----------|--------|--|

### Stroke Limiter



|            |             |        |  |
|------------|-------------|--------|--|
| DK / DA-NO | 1/2 – 2-1/2 | 054994 |  |
| DK / NC    | 1 – 1-1/2   | 054991 |  |
| DK / NC    | 2 – 2-1/2   | 054992 |  |

| Valve Series | Size inches | Product Code | Universal Number |
|--------------|-------------|--------------|------------------|
|--------------|-------------|--------------|------------------|

#### Stroke Limiter w/ Optical Position Indicator



|               |           |        |  |
|---------------|-----------|--------|--|
| DK / DA-NO-NC | 1/2 – 3/4 | 154470 |  |
| DK / DA-NO    | 1 – 2-1/2 | 053066 |  |
| DK / NC       | 1 – 1-1/4 | 054999 |  |
| DK / NC       | 1-1/2     | 053063 |  |
| DK / NC       | 2 – 2-1/2 | 053064 |  |

#### Stroke Limiter w/ Position Indicator and Manual Override



|               |               |        |  |
|---------------|---------------|--------|--|
| DK / DA-NO-NC | 1/2 – 3/4     | 154471 |  |
| DK / DA-NO*   | 1 – 1-1/4     | 053072 |  |
| DK / DA-NO*   | 1-1/2 – 2-1/2 | 053073 |  |
| DK / NC*      | 1 – 1-1/4     | 053069 |  |
| DK / NC*      | 1-1/2 – 2-1/2 | 053071 |  |

\* factory assembled

| Valve Series | Size inches | Style | Voltage | Product Code | Universal Number |
|--------------|-------------|-------|---------|--------------|------------------|
|--------------|-------------|-------|---------|--------------|------------------|

#### Pilot Solenoid Valve – Direct Mount, NBR Seals



|                     |             |           |         |        |  |
|---------------------|-------------|-----------|---------|--------|--|
| DK / DA-NO-NC       | 1/2 – 2 1/2 | 3/2 Way   | 24 VDC  | 154036 |  |
| DK / DA-NO-NC       | 1/2 – 2 1/2 | 3/2 Way   | 110 VAC | 053074 |  |
| DK / DA-NO-NC       | 1/2 – 3/4   | 3-5/2 Way | 24 VDC  | 154485 |  |
| DK / DA-NO-NC       | 1/2 – 3/4   | 3-5/2 Way | 110 VAC | 154486 |  |
| NAMUR Adapter Plate | 1/2 – 3/4   | –         | –       | 154484 |  |

#### Pilot Solenoid Valve – Gang Mount, NBR Seals



|               |             |         |         |        |  |
|---------------|-------------|---------|---------|--------|--|
| DK / DA-NO-NC | 1/2 – 2-1/2 | 3/2 Way | 24 VDC  | 154483 |  |
| DK / DA-NO-NC | 1/2 – 2-1/2 | 3/2 Way | 110 VAC | 053076 |  |

## VM SERIES DIAPHRAGM VALVES – MANUAL HANDWHEEL

The VM series weir-style diaphragm valves are available in PVC, CPVC, PP, or PVDF, four body styles, and three choices of diaphragms (EPDM, FKM, or PTFE). Able to be mounted in any position, the VM is ideal for either very clean or abrasive slurry applications. A unique and proprietary PTFE diaphragm design, available automation, and multiple accessories make this one of the most advanced and versatile lines in the industry.

Pressure Rate: up to 150 psi at 73°F depending on the size  
Size: 3" & 4"

| Size (in) | Body Material | Diaphragm Material | IPS Spigot   |             | ANSI 150 Flanged |             |
|-----------|---------------|--------------------|--------------|-------------|------------------|-------------|
|           |               |                    | Product Code | Universal # | Product Code     | Universal # |

### Manual Handwheel

|   |      |      |        |         |        |         |
|---|------|------|--------|---------|--------|---------|
| 3 | PVC  | EPDM | 054182 | VMYV110 | 054227 | VMOV110 |
|   |      | FKM  | 054191 | VMYV210 | 054236 | VMOV210 |
|   |      | PTFE | 054200 | VMYV310 | 054245 | VMOV310 |
|   | CPVC | EPDM | 054254 | VMYC110 | 054299 | VMOC110 |
|   |      | FKM  | 054263 | VMYC210 | 054308 | VMOC210 |
|   |      | PTFE | 054272 | VMYC310 | 054317 | VMOC310 |
| 4 | PVC  | EPDM | 054183 | VMYV111 | 054228 | VMOV111 |
|   |      | FKM  | 054192 | VMYV211 | 054237 | VMOV211 |
|   |      | PTFE | 054201 | VMYV311 | 054246 | VMOV311 |
|   | CPVC | EPDM | 054255 | VMYC111 | 054300 | VMOC111 |
|   |      | FKM  | 054264 | VMYC211 | 054309 | VMOC211 |
|   |      | PTFE | 054273 | VMYC311 | 054318 | VMOC311 |



| Size (mm) | Material | Product Code |
|-----------|----------|--------------|
|-----------|----------|--------------|

### Coupling

|            |    |        |
|------------|----|--------|
| 90mm x 3"  | PP | 537071 |
| 110mm x 4" | PP | 537072 |

Pressure Rate: up to 150 psi at 73°F depending on the size  
Size: 90mm – 110mm

| Size (mm) | Body Material | Diaphragm Material | IPS Spigot   |             |
|-----------|---------------|--------------------|--------------|-------------|
|           |               |                    | Product Code | Universal # |

### Manual Handwheel

|       |    |      |        |         |
|-------|----|------|--------|---------|
| 90mm  | PP | EPDM | 054326 | VMDM110 |
|       |    | FKM  | 054335 | VMDM210 |
|       |    | PTFE | 054344 | VMDM310 |
| 110mm | PP | EPDM | 054327 | VMDM111 |
|       |    | FKM  | 054336 | VMDM211 |
|       |    | PTFE | 054345 | VMDM311 |

Pressure Rate: up to 150 psi at 73°F  
Size: 3" & 4"

| Size (in) | Body Material | Diaphragm Material | IPS Socket   |             |
|-----------|---------------|--------------------|--------------|-------------|
|           |               |                    | Product Code | Universal # |

### Manual Handwheel

|   |    |      |        |         |
|---|----|------|--------|---------|
| 3 | PP | EPDM | 354192 | VMAM110 |
|   |    | FKM  | 354228 | VMAM210 |
|   |    | PTFE | 354236 | VMAM310 |
| 4 | PP | EPDM | 354237 | VMAM111 |
|   |    | FKM  | 354245 | VMAM211 |
|   |    | PTFE | 354246 | VMAM311 |

Note: EPDM diaphragms have EPDM o-rings, FKM and PTFE diaphragms have FKM o-rings. For ABS and u-PP VM diaphragm valves, please refer to the Duraplus ABS Industrial and Enpure. Other options are available on request. DK Series Diaphragm valves are made-to-order.

## VM SERIES PNEUMATIC DIAPHRAGM VALVES

### – NORMALLY OPEN / DOUBLE ACTING PNEUMATIC



Pressure Rate: up to 150 psi at 73°F depending on the size

Size: 3" & 4"

| Size<br>(in) | Body<br>Material | Diaphragm<br>Material | IPS Spigot   |             | ANSI 150 Flanged |             |
|--------------|------------------|-----------------------|--------------|-------------|------------------|-------------|
|              |                  |                       | Product Code | Universal # | Product Code     | Universal # |

#### Normally Open / Double Acting

|   |      |      |        |            |        |            |
|---|------|------|--------|------------|--------|------------|
| 3 | PVC  | EPDM | 054417 | VMYV110-NO | 054462 | VMOV110-NO |
|   |      | FKM  | 054426 | VMYV210-NO | 054471 | VMOV210-NO |
|   |      | PTFE | 054435 | VMYV310-NO | 054480 | VMOV310-NO |
|   | CPVC | EPDM | 054489 | VMYC110-NO | 054534 | VMOC110-NO |
|   |      | FKM  | 054498 | VMYC210-NO | 054543 | VMOC210-NO |
|   |      | PTFE | 054507 | VMYC310-NO | 054552 | VMOC310-NO |
| 4 | PVC  | EPDM | 054418 | VMYV111-NO | 054463 | VMOV111-NO |
|   |      | FKM  | 054427 | VMYV211-NO | 054472 | VMOV211-NO |
|   |      | PTFE | 054436 | VMYV311-NO | 054481 | VMOV311-NO |
|   | CPVC | EPDM | 054490 | VMYC111-NO | 054535 | VMOC111-NO |
|   |      | FKM  | 054499 | VMYC211-NO | 054544 | VMOC211-NO |
|   |      | PTFE | 054508 | VMYC311-NO | 054553 | VMOC311-NO |

Pressure Rate: up to 150 psi at 73°F depending on the size

Size: 90mm – 110mm

| Size<br>(mm) | Body<br>Material | Diaphragm<br>Material | IPS Spigot   |             |
|--------------|------------------|-----------------------|--------------|-------------|
|              |                  |                       | Product Code | Universal # |

#### Normally Open / Double Acting

|       |    |      |        |            |
|-------|----|------|--------|------------|
| 90mm  | PP | EPDM | 054561 | VMDM110-NO |
|       |    | FKM  | 054570 | VMDM210-NO |
|       |    | PTFE | 054579 | VMDM310-NO |
| 110mm | PP | EPDM | 054562 | VMDM111-NO |
|       |    | FKM  | 054571 | VMDM211-NO |
|       |    | PTFE | 054580 | VMDM311-NO |

## VM SERIES PNEUMATIC DIAPHRAGM VALVES – NORMALLY CLOSED PNEUMATIC

Pressure Rate: up to 150 psi at 73°F depending on the size  
Size: 3" & 4"

| Size<br>(in) | Body<br>Material | Diaphragm<br>Material | IPS Spigot   |             | ANSI 150 Flanged |             |
|--------------|------------------|-----------------------|--------------|-------------|------------------|-------------|
|              |                  |                       | Product Code | Universal # | Product Code     | Universal # |

### Normally Closed

|   |      |      |        |            |        |            |
|---|------|------|--------|------------|--------|------------|
| 3 | PVC  | EPDM | 054651 | VMYV110-NC | 054696 | VMOV110-NC |
|   |      | FKM  | 054660 | VMYV210-NC | 054705 | VMOV210-NC |
|   |      | PTFE | 054669 | VMYV310-NC | 054714 | VMOV310-NC |
|   | CPVC | EPDM | 054723 | VMYC110-NC | 054768 | VMOC110-NC |
|   |      | FKM  | 054732 | VMYC210-NC | 054778 | VMOC210-NC |
|   |      | PTFE | 054741 | VMYC310-NC | 054787 | VMOC310-NC |
| 4 | PVC  | EPDM | 054652 | VMYV111-NC | 054697 | VMOV111-NC |
|   |      | FKM  | 054661 | VMYV211-NC | 054706 | VMOV211-NC |
|   |      | PTFE | 054670 | VMYV311-NC | 054715 | VMOV311-NC |
|   | CPVC | EPDM | 054724 | VMYC111-NC | 054769 | VMOC111-NC |
|   |      | FKM  | 054733 | VMYC211-NC | 054779 | VMOC211-NC |
|   |      | PTFE | 054742 | VMYC311-NC | 054788 | VMOC311-NC |



Pressure Rate: up to 150 psi at 73°F depending on the size  
Size: 90mm – 110mm

| Size<br>(in) | Body<br>Material | Diaphragm<br>Material | IPS Spigot   |             |
|--------------|------------------|-----------------------|--------------|-------------|
|              |                  |                       | Product Code | Universal # |

### Normally Closed

|       |    |      |        |            |
|-------|----|------|--------|------------|
| 90mm  | PP | EPDM | 054796 | VMDM110-NC |
|       |    | FKM  | 054805 | VMDM210-NC |
|       |    | PTFE | 054814 | VMDM310-NC |
| 110mm | PP | EPDM | 054797 | VMDM111-NC |
|       |    | FKM  | 054806 | VMDM211-NC |
|       |    | PTFE | 054815 | VMDM311-NC |

## VM DIAPHRAGM VALVES – AUTOMATION & ACCESSORIES

IPEX diaphragm valves can be pneumatically actuated providing precise control of critical applications. The normally closed (fail close), normally open (fail open), and double acting VM valves make up of one of the most extensive ranges in the industry. All VM pneumatic diaphragm valves can be outfitted with many options and accessories such as: stroke limiters, optical and electric position indicators, electro-pneumatic positioners, pilot valves, and various combinations thereof.

| Valve Series | Size inches | Product Code | Universal Number |
|--------------|-------------|--------------|------------------|
|--------------|-------------|--------------|------------------|

### Optical Position Indicator



|                   |      |        |            |
|-------------------|------|--------|------------|
| VM / NC - NO - DA | 3, 4 | 054998 | ZIN2410015 |
|-------------------|------|--------|------------|

Protection cap included, see assembly instructions.

### Stroke Limiter



|              |      |        |            |
|--------------|------|--------|------------|
| *VM / NC     | 3, 4 | 054993 | ZLP2411010 |
| VM / NO - DA | 3, 4 | 054995 | ZLP2411008 |

Protection cap included for VM.

\*Actuator must have the metal cap.

### Stroke Limiter w/ Optical Position Indicator



|              |      |        |            |
|--------------|------|--------|------------|
| *VM / NC     | 3, 4 | 053065 | ZLI2412006 |
| VM / NO - DA | 3, 4 | 053067 | ZLI2412008 |

Protection cap included for VM.

\*Actuator must have the metal cap.

### Electrical Position Indicator – 1 Mechanical Switch



|         |      |        |            |
|---------|------|--------|------------|
| VM / NC | 3, 4 | 054956 | ZMS2490005 |
|---------|------|--------|------------|

### Microswitch Box – 2 Electromechanical Switches



|              |      |        |             |
|--------------|------|--------|-------------|
| VM / NC      | 3, 4 | 054968 | ZMS2485002  |
| VM / NO - DA | 3    | 054969 | ZMS2485003  |
| VM / NO - DA | 4    | 154475 | ZMS24860031 |

### Microswitch Box – 2 Inductive Switches

|              |      |        |             |
|--------------|------|--------|-------------|
| VM / NC      | 3, 4 | 054971 | ZMS2486002  |
| VM / NO - DA | 3    | 054972 | ZMS2486003  |
| VM / NO - DA | 4    | 154478 | ZMS24860031 |

## DV SERIES DIAPHRAGM VALVES – MANUAL HANDWHEEL

The DV is a rugged industrial product ideal for throttling or use in abrasive slurry lines. The raising position indicator also functions as an adjustable travel stop. This feature can be used to avoid over-compression of the EPDM or PTFE diaphragm, or as a travel limiter allowing different settings for the "closed" position. The molded flanged body eliminates potentially leaky joints while featuring end-to-end dimensions identical to most plastic lined metal diaphragm valves, allowing for direct replacement.

Pressure: up to 150 psi at 73°F depending on the size  
Sizes: 1/2" – 6"



| Size<br>(in) | Diaphragm<br>Material | Flanged      |             |
|--------------|-----------------------|--------------|-------------|
|              |                       | Product Code | Universal # |

### DV PVC BODY

|       |      |        |         |
|-------|------|--------|---------|
| 1/2   | EPDM | 052196 | DVOV103 |
|       | PTFE | 052296 | DVOV303 |
| 3/4   | EPDM | 052197 | DVOV104 |
|       | PTFE | 052297 | DVOV304 |
| 1     | EPDM | 052198 | DVOV105 |
|       | PTFE | 052298 | DVOV305 |
| 1-1/2 | EPDM | 052207 | DVOV107 |
|       | PTFE | 052299 | DVOV307 |
| 2     | EPDM | 052208 | DVOV108 |
|       | PTFE | 052354 | DVOV308 |
| 3     | EPDM | 052209 | DVOV109 |
|       | PTFE | 052355 | DVOV309 |
| 4     | EPDM | 052217 | DVOV110 |
|       | PTFE | 052356 | DVOV310 |
| 6     | EPDM | 052218 | DVOV111 |
|       | PTFE | 052357 | DVOV311 |

## CM SERIES COMPACT DIAPHRAGM VALVES

The CM is a compact design with true union ends, available in PVC, CPVC, PP, or PVDF. With three diaphragm options (EPDM, FKM, or PTFE), these manually operated or pneumatically actuated valves are ideal for OEMs. A standard position indicator and integrated mounting bushings complete the long list of features.



Pressure: up to 90 psi at 73°F  
 Size: 1/2" in PVC and CPVC,  
 16 mm – 20 mm in PP and PVDF

| Size (in) | Body Material | Diaphragm Material | True Union Socket/Threaded |             | True Union Socket |             |
|-----------|---------------|--------------------|----------------------------|-------------|-------------------|-------------|
|           |               |                    | Product Code               | Universal # | Product Code      | Universal # |

### CM BODY

|     |      |      |        |         |        |         |
|-----|------|------|--------|---------|--------|---------|
| 3/8 | PVC  | EPDM | 253071 | CMBV102 | 054127 | CMUV103 |
|     |      | FKM  | –      | –       | –      | –       |
|     |      | PTFE | 253072 | CMBV302 | –      | –       |
| 1/2 | PVC  | EPDM | 253073 | CMBV103 | –      | –       |
|     |      | FKM  | 054129 | CMUV203 | –      | –       |
|     |      | PTFE | 253074 | CMBV303 | 054131 | CMUV303 |
|     | CPVC | EPDM | 054128 | CMUC103 | –      | –       |
|     |      | FKM  | 054130 | CMUC203 | –      | –       |
|     |      | PTFE | 054132 | CMUC303 | –      | –       |

Pressure: up to 90 psi at 73°F  
 Size: 16 mm – 20 mm in PP and PVDF

| Size (in) | Body Material | Diaphragm Material | True Union Metric Socket |             | Metric Socket |             | Metric Spigot |             |
|-----------|---------------|--------------------|--------------------------|-------------|---------------|-------------|---------------|-------------|
|           |               |                    | Product Code             | Universal # | Product Code  | Universal # | Product Code  | Universal # |

### CM BODY

|    |      |      |        |         |        |         |        |         |
|----|------|------|--------|---------|--------|---------|--------|---------|
| 16 | PP   | EPDM | –      | –       | 054133 | CMIM102 | –      | –       |
|    |      | FKM  | –      | –       | 054136 | CMIM202 | –      | –       |
|    |      | PTFE | –      | –       | 054139 | CMIM302 | –      | –       |
|    | PVDF | EPDM | –      | –       | 054142 | CMIF102 | –      | –       |
|    |      | FKM  | –      | –       | 054145 | CMIF202 | –      | –       |
|    |      | PTFE | –      | –       | 054148 | CMIF302 | –      | –       |
| 20 | PP   | EPDM | 054135 | CMUM103 | –      | –       | 054134 | CMDM103 |
|    |      | FKM  | 054138 | CMUM203 | –      | –       | 054137 | CMDM203 |
|    |      | PTFE | 054141 | CMUM303 | –      | –       | 054140 | CMDM303 |
|    | PVDF | EPDM | 054144 | CMUF103 | –      | –       | 054143 | CMDF103 |
|    |      | FKM  | 054147 | CMUF203 | –      | –       | 054146 | CMDF203 |
|    |      | PTFE | 054150 | CMUF303 | –      | –       | 054149 | CMDF303 |

## CM SERIES COMPACT DIAPHRAGM VALVES – NORMALLY CLOSED PNEUMATIC

Pressure: up to 90 psi at 73°F  
Size: 1/2" in PVC and CPVC,  
16 mm – 20 mm in PP and PVDF



| Size<br>(in) | Body<br>Material | Diaphragm<br>Material | True Union Socket<br>Product Code | Universal # |
|--------------|------------------|-----------------------|-----------------------------------|-------------|
|--------------|------------------|-----------------------|-----------------------------------|-------------|

### CM BODY

|     |      |      |        |            |
|-----|------|------|--------|------------|
| 1/2 | PVC  | EPDM | 054151 | CMUV103-NC |
|     |      | FKM  | 054152 | CMUV203-NC |
|     |      | PTFE | 054153 | CMUV303-NC |
|     | CPVC | EPDM | 054154 | CMUC103-NC |
|     |      | FKM  | 054155 | CMUC203-NC |
|     |      | PTFE | 054156 | CMUC303-NC |

Pressure: up to 90 psi at 73°F  
Size: 16 mm – 20 mm in PP and PVDF

| Size<br>(in) | Body<br>Material | Diaphragm<br>Material | True Union Metric Socket |             | Metric Socket |             | Metric Spigot |             |
|--------------|------------------|-----------------------|--------------------------|-------------|---------------|-------------|---------------|-------------|
|              |                  |                       | Product Code             | Universal # | Product Code  | Universal # | Product Code  | Universal # |

### CM BODY

|    |      |      |        |            |        |            |        |            |
|----|------|------|--------|------------|--------|------------|--------|------------|
| 16 | PP   | EPDM | –      | –          | 054157 | CMIM102-NC | –      | –          |
|    |      | FKM  | –      | –          | 054160 | CMIM202-NC | –      | –          |
|    |      | PTFE | –      | –          | 054163 | CMIM302-NC | –      | –          |
|    | PVDF | EPDM | –      | –          | 054166 | CMIF102-NC | –      | –          |
|    |      | FKM  | –      | –          | 054169 | CMIF202-NC | –      | –          |
|    |      | PTFE | –      | –          | 054172 | CMIF302-NC | –      | –          |
| 20 | PP   | EPDM | 054159 | CMUM103-NC | –      | –          | 054158 | CMDM103-NC |
|    |      | FKM  | 054162 | CMUM203-NC | –      | –          | 054161 | CMDM203-NC |
|    |      | PTFE | 054165 | CMUM303-NC | –      | –          | 054164 | CMDM303-NC |
|    | PVDF | EPDM | 054168 | CMUF103-NC | –      | –          | 054167 | CMDF103-NC |
|    |      | FKM  | 054171 | CMUF203-NC | –      | –          | 054170 | CMDF203-NC |
|    |      | PTFE | 054174 | CMUF303-NC | –      | –          | 054173 | CMDF303-NC |

Note: EPDM diaphragms have EPDM o-rings Viton® and PTFE diaphragms have Viton® o-rings.

# DKD SERIES DIAPHRAGM VALVES – DIRECT ACTING PNEUMATIC

The DKD Series diaphragm valve is an ultra-compact, direct acting pneumatic valve that is ideal for shutting off extremely dirty and highly viscous fluids. Optimized fluid dynamics are achieved by improved internal geometry.

The valve is comprised of three elements: the body, diaphragm and sealing bonnet. When compressed air enters the bonnet, the diaphragm is pressed against the body's weir, interrupting the flow.

This simplified operating principal combined with a low number of components guarantees high reliability and durability. The DKD Series Diaphragm Valve is part of a complete system of pipe, valves and fittings, engineered and manufactured to strict quality, performance and dimensional standards.



Pressure: up to 120 psi at 73°F depending upon the available control pressure  
Sizes: 1/2" – 2"

| Size<br>(in) | Spigot       |             | True Union   |             |
|--------------|--------------|-------------|--------------|-------------|
|              | Product Code | Universal # | Product Code | Universal # |

## DKD PVC w/ EPDM LINER

|       |        |          |        |          |
|-------|--------|----------|--------|----------|
| 1/2   | 354183 | DKYV103D | 354255 | DKUV103D |
| 3/4   | 354191 | DKYV104D | 354263 | DKUV104D |
| 1     | 354182 | DKYV105D | 354264 | DKUV105D |
| 1-1/4 | 354200 | DKYV106D | 354272 | DKUV106D |
| 1-1/2 | 354201 | DKYV107D | 354273 | DKUV107D |
| 2     | 354227 | DKYV108D | 354299 | DKUV108D |

## SXE SERIES BALL CHECK VALVES – TRUE UNION

The IPEX EASYFIT SXE Series True Union Ball Check Valves represent the latest innovation in thermoplastic valve manufacturing technology. The SXE is a complement to the VXE and VEE ball valve product lines, with many of the same features. SXE introduces an advanced method of installation, providing trouble free service for industrial, OEM and water service applications.

It is designed to work with just a few psi of back pressure for positive shutoff in both vertical and horizontal installations.

Pressure: 232 psi at 73°F

Sizes: 1/2" – 4"



| Size (in) | Body Material | Seal Material | Socket/Threaded |             | Socket       |             |
|-----------|---------------|---------------|-----------------|-------------|--------------|-------------|
|           |               |               | Product Code    | Universal # | Product Code | Universal # |

### SXE

|       |      |      |        |          |        |          |
|-------|------|------|--------|----------|--------|----------|
| 1/2   | PVC  | EPDM | 052013 | SXEBV103 | –      | –        |
|       |      | FKM  | 052022 | SXEBV203 | –      | –        |
|       | CPVC | EPDM | 052121 | SXEBC103 | –      | –        |
|       |      | FKM  | 052127 | SXEBC203 | –      | –        |
| 3/4   | PVC  | EPDM | 052014 | SXEBV104 | –      | –        |
|       |      | FKM  | 052023 | SXEBV204 | –      | –        |
|       | CPVC | EPDM | 052122 | SXEBC104 | –      | –        |
|       |      | FKM  | 052128 | SXEBC204 | –      | –        |
| 1     | PVC  | EPDM | 052015 | SXEBV105 | –      | –        |
|       |      | FKM  | 052027 | SXEBV205 | –      | –        |
|       | CPVC | EPDM | 052123 | SXEBC105 | –      | –        |
|       |      | FKM  | 052133 | SXEBC205 | –      | –        |
| 1-1/4 | PVC  | EPDM | 052016 | SXEBV106 | –      | –        |
|       |      | FKM  | 052028 | SXEBV206 | –      | –        |
|       | CPVC | EPDM | 052124 | SXEBC106 | –      | –        |
|       |      | FKM  | 052134 | SXEBC206 | –      | –        |
| 1-1/2 | PVC  | EPDM | 052017 | SXEBV107 | –      | –        |
|       |      | FKM  | 052030 | SXEBV207 | –      | –        |
|       | CPVC | EPDM | 052125 | SXEBC107 | –      | –        |
|       |      | FKM  | 052135 | SXEBC207 | –      | –        |
| 2     | PVC  | EPDM | 052018 | SXEBV108 | –      | –        |
|       |      | FKM  | 052120 | SXEBV208 | –      | –        |
|       | CPVC | EPDM | 052126 | SXEBC108 | –      | –        |
|       |      | FKM  | 052136 | SXEBC208 | –      | –        |
| 2-1/2 | PVC  | EPDM | –      | –        | 052478 | SXEAV109 |
|       |      | FKM  | –      | –        | 052481 | SXEAV209 |
|       | CPVC | EPDM | –      | –        | 052484 | SXEAC109 |
|       |      | FKM  | –      | –        | 052487 | SXEAC209 |
| 3     | PVC  | EPDM | –      | –        | 052479 | SXEAV110 |
|       |      | FKM  | –      | –        | 052482 | SXEAV210 |
|       | CPVC | EPDM | –      | –        | 052485 | SXEAC110 |
|       |      | FKM  | –      | –        | 052488 | SXEAC210 |
| 4     | PVC  | EPDM | –      | –        | 052480 | SXEAV111 |
|       |      | FKM  | –      | –        | 052483 | SXEAV211 |
|       | CPVC | EPDM | –      | –        | 052486 | SXEAC111 |
|       |      | FKM  | –      | –        | 052489 | SXEAC211 |

With optimized fluid dynamics design the SXE has an improved Cv value. The seat stop carrier is a threaded design for safe disconnection upstream. The ball is machined smooth for optimal service and prolonged life. The SXE also utilizes the EASYFIT torque wrench to tighten union nuts with defined torque and the EASYFIT LCE labelling system for custom identification.

Note: See page 146 for EasyFit Accessories

Check valves should be used whenever there is a need to prevent back-flow of process media. This may be when two incompatible fluids cannot be allowed to mix, or when reverse flow would cause undesirable drainage of a system line or tank. Many styles exist including: simple ball checks, heavy duty swing checks, and highly efficient piston checks. These valves are typically gravity operated and require very little back pressure to seal. Air release valves safely allow any entrapped air or gas to escape, avoiding damage to the piping system.

## SSE SERIES SPRING ASSISTED CHECK VALVES – TRUE UNION

The all new SSE Spring Assisted Ball Check Valve complements our SXE ball check valves, which introduce an advanced method of installation, providing trouble free service for industrial, OEM and water service applications. The internal profile of the SSE, combined with the spring assisted contoured ball, gives the advantage of trouble-free vertical and horizontal installations, even if only very low backpressure is available. The innovative SSE EasyFit design features a custom labelling system, and the EasyFit multifunctional handle allows for union nut rotational control and safe blocked carrier tightening.

Pressure: 232 psi at 73°F

Sizes: 1/2" – 4"



| Size<br>(in) | Seal<br>Material | Socket/Threaded |             | Socket       |             |
|--------------|------------------|-----------------|-------------|--------------|-------------|
|              |                  | Product Code    | Universal # | Product Code | Universal # |

### SXE PVC, EPDM w/ 316 SS Spring

|       |      |        |           |        |           |
|-------|------|--------|-----------|--------|-----------|
| 1/2   | EPDM | 052490 | SSEBV103S | –      | –         |
|       | FKM  | 052499 | SSEBV203S | –      | –         |
| 3/4   | EPDM | 052491 | SSEBV104S | –      | –         |
|       | FKM  | 052500 | SSEBV204S | –      | –         |
| 1     | EPDM | 052492 | SSEBV105S | –      | –         |
|       | FKM  | 052501 | SSEBV205S | –      | –         |
| 1-1/4 | EPDM | 052493 | SSEBV106S | –      | –         |
|       | FKM  | 052502 | SSEBV206S | –      | –         |
| 1-1/2 | EPDM | 052494 | SSEBV107S | –      | –         |
|       | FKM  | 052503 | SSEBV207S | –      | –         |
| 2     | EPDM | 052495 | SSEBV108S | –      | –         |
|       | FKM  | 052504 | SSEBV208S | –      | –         |
| 2-1/2 | EPDM | –      | –         | 052496 | SSEAV109S |
|       | FKM  | –      | –         | 052505 | SSEAV209S |
| 3     | EPDM | –      | –         | 052497 | SSEAV110S |
|       | FKM  | –      | –         | 052506 | SSEAV210S |
| 4     | EPDM | –      | –         | 052498 | SSEAV111S |
|       | FKM  | –      | –         | 052507 | SSEAV211S |

| Size<br>(in) | Seal<br>Material | Socket/Threaded |             | Socket       |             |
|--------------|------------------|-----------------|-------------|--------------|-------------|
|              |                  | Product Code    | Universal # | Product Code | Universal # |

### SXE PVC, EPDM w/ PTFE Encapsulated 316 SS Spring

|       |      |        |           |        |           |
|-------|------|--------|-----------|--------|-----------|
| 1-1/4 | EPDM | 052347 | SSEBV106P | –      | –         |
|       | FKM  | 052362 | SSEBV206P | –      | –         |
| 1-1/2 | EPDM | 052348 | SSEBV107P | –      | –         |
|       | FKM  | 052396 | SSEBV207P | –      | –         |
| 2     | EPDM | 052358 | SSEBV108P | –      | –         |
|       | FKM  | 052397 | SSEBV208P | –      | –         |
| 2-1/2 | EPDM | –      | –         | 052359 | SSEAV109P |
|       | FKM  | –      | –         | 052398 | SSEAV209P |
| 3     | EPDM | –      | –         | 052360 | SSEAV110P |
|       | FKM  | –      | –         | 052399 | SSEAV210P |
| 4     | EPDM | –      | –         | 052361 | SSEAV111P |
|       | FKM  | –      | –         | 052414 | SSEAV211P |

| Size<br>(in) | Seal<br>Material | Socket/Threaded |             |
|--------------|------------------|-----------------|-------------|
|              |                  | Product Code    | Universal # |

### SXE PVC, EPDM w/ Hastelloy Spring

|     |      |        |           |
|-----|------|--------|-----------|
| 1/2 | EPDM | 052152 | SSEBV103H |
|     | FKM  | 052163 | SSEBV203H |
| 3/4 | EPDM | 052153 | SSEBV104H |
|     | FKM  | 052177 | SSEBV204H |
| 1   | EPDM | 052154 | SSEBV105H |
|     | FKM  | 052178 | SSEBV205H |

Note: See page 146 for EasyFit Accessories

## VR SERIES PISTON CHECK VALVES – TRUE UNION, Y-PATTERN

The VR features an all PVC construction of high performance components. This Y-pattern valve will perform equally as well in both vertical and horizontal orientations. With an increased flow rate yet low-return pressure positive seal, and top-entry maintenance, our VR piston check valve far exceeds the limited performance of other popular check valves. Both EPDM and FKM seals are available.



Pressure: up to 232 psi depending on the size

Sizes: 1/2" – 4"

| Size<br>(in) | Seal<br>Material | Socket/Threaded |             | Flanged      |             |
|--------------|------------------|-----------------|-------------|--------------|-------------|
|              |                  | Product Code    | Universal # | Product Code | Universal # |

### VR PVC TRUE UNION

|       |      |        |         |        |         |
|-------|------|--------|---------|--------|---------|
| 1/2   | EPDM | 053346 | VRUV103 | 053879 | VRQV103 |
|       | FKM  | 053289 | VRUV203 | 053885 | VRQV203 |
| 3/4   | EPDM | 053347 | VRUV104 | 053880 | VRQV104 |
|       | FKM  | 053290 | VRUV204 | 053886 | VRQV204 |
| 1     | EPDM | 053348 | VRUV105 | 053881 | VRQV105 |
|       | FKM  | 053291 | VRUV205 | 053887 | VRQV205 |
| 1-1/4 | EPDM | 053349 | VRUV106 | 053882 | VRQV106 |
|       | FKM  | 053292 | VRUV206 | 053888 | VRQV206 |
| 1-1/2 | EPDM | 053350 | VRUV107 | 053883 | VRQV107 |
|       | FKM  | 053293 | VRUV207 | 053889 | VRQV207 |
| 2     | EPDM | 053351 | VRUV108 | 053884 | VRQV108 |
|       | FKM  | 053294 | VRUV208 | 053890 | VRQV208 |

| Size<br>(in) | Seal<br>Material | Threaded     |             | Socket       |             | Flanged      |             |
|--------------|------------------|--------------|-------------|--------------|-------------|--------------|-------------|
|              |                  | Product Code | Universal # | Product Code | Universal # | Product Code | Universal # |

### VR PVC NON TRUE UNION

|   |      |        |         |        |         |        |         |
|---|------|--------|---------|--------|---------|--------|---------|
| 3 | EPDM | 053352 | VRFV110 | 053295 | VRAV110 | 053925 | VROV110 |
| 4 | EPDM | 053353 | VRFV111 | 053296 | VRAV111 | 053926 | VROV111 |

## SC SERIES SWING CHECK VALVES

The SC combines superior flow rate with maximum versatility. With stainless wetted parts and hardware, top entry design, and extremely low back pressure requirements, these flanged valves are the perfect choice for back-flow prevention in large diameter lines, both vertical and horizontal. The SC is available in PVC with either EPDM or FKM seals.



Pressure: up to 100 psi at 73°F depending on the size

Sizes: 3" – 8"

| Size<br>(in) | Seal<br>Material | Flanged      |             |
|--------------|------------------|--------------|-------------|
|              |                  | Product Code | Universal # |

### SC PVC FLANGED

|   |       |        |         |
|---|-------|--------|---------|
| 3 | EPDM  | 052289 | SCOV110 |
|   | VITON | 053875 | SCOV210 |
| 4 | EPDM  | 052290 | SCOV111 |
|   | VITON | 053876 | SCOV211 |
| 6 | EPDM  | 052291 | SCOV113 |
|   | VITON | 053877 | SCOV213 |
| 8 | EPDM  | 052292 | SCOV114 |
|   | VITON | 053878 | SCOV214 |

## VA SERIES AIR RELEASE VALVES – SINGLE UNION

The VA is one of only two such plastic valves in the industry, and the only one controlled by media and not pressure. Designed for tanks, slurries, or start-ups, the VA valve will economically and efficiently eliminate air or gas pockets as well as break potentially dangerous vacuums. This no-spill valve is offered in PVC with EPDM seals. FKM sealing kits are also available.

Pressure: 232 psi

Sizes: 3/4", 1-1/4" and 2"

| Size<br>(in) | Seal<br>Material | Product<br>Code | Universal<br>Number |
|--------------|------------------|-----------------|---------------------|
|--------------|------------------|-----------------|---------------------|

### PVC, Single Union

|       |      |        |         |
|-------|------|--------|---------|
| 3/4   | EPDM | 053559 | VAFV104 |
| 1-1/4 | EPDM | 053560 | VAFV106 |
| 2     | EPDM | 053561 | VAFV108 |

| Size<br>(in) | Product<br>Code | Universal<br>Number |
|--------------|-----------------|---------------------|
|--------------|-----------------|---------------------|

### Viton® O-ring Set

|       |        |        |
|-------|--------|--------|
| 3/4   | 153845 | OVA204 |
| 1-1/4 | 153846 | OVA206 |
| 2     | 153847 | OVA208 |



Note: Valves supplied with dual (socket & threaded) end connectors for the exhaust port

## RV SERIES SEDIMENT STRAINERS

### TRUE UNION – Y PATTERN

The RV Y-pattern strainer protects critical pipeline components by removing solids and suspended impurities. Clear PVC construction allows for inspection of the screen while in service, whereas the bottom-entry design permits maintenance on the valve while in-line. The RV is available with either EPDM or FKM seals, as well as in CPVC.

Pressure: up to 232 psi depending on the size

Sizes: 1/2" – 4"



| Size (in) | Seal Material | Socket/Threaded |             | Flanged      |             |
|-----------|---------------|-----------------|-------------|--------------|-------------|
|           |               | Product Code    | Universal # | Product Code | Universal # |

#### CLEAR PVC TRUE UNION, W/PVC 40 MESH SCREEN

|       |      |        |         |        |         |
|-------|------|--------|---------|--------|---------|
| 1/2   | EPDM | 053261 | RVUT103 | 053935 | RVOT103 |
|       | FKM  | 053233 | RVUT203 | 053941 | RVOT203 |
| 3/4   | EPDM | 053262 | RVUT104 | 053936 | RVOT104 |
|       | FKM  | 053234 | RVUT204 | 053942 | RVOT204 |
| 1     | EPDM | 053263 | RVUT105 | 053937 | RVOT105 |
|       | FKM  | 053235 | RVUT205 | 053943 | RVOT205 |
| 1-1/4 | EPDM | 053264 | RVUT106 | 053938 | RVOT106 |
|       | FKM  | 053236 | RVUT206 | 053944 | RVOT206 |
| 1-1/2 | EPDM | 053265 | RVUT107 | 053939 | RVOT107 |
|       | FKM  | 053237 | RVUT207 | 053945 | RVOT207 |
| 2     | EPDM | 053266 | RVUT108 | 053940 | RVOT108 |
|       | FKM  | 053238 | RVUT208 | 053946 | RVOT208 |

| Size (in) | Seal Material | Socket/Threaded |             |
|-----------|---------------|-----------------|-------------|
|           |               | Product Code    | Universal # |

#### CPVC TRUE UNION, W/PP 20 MESH SCREEN

|       |     |        |         |
|-------|-----|--------|---------|
| * 1/2 | FKM | 053334 | RVUC203 |
| * 3/4 | FKM | 053335 | RVUC204 |
| 1     | FKM | 053336 | RVUC205 |
| 1-1/4 | FKM | 053337 | RVUC206 |
| 1-1/2 | FKM | 053338 | RVUC207 |
| 2     | FKM | 053339 | RVUC208 |

\* PP 18 Mesh screen

| Size (in) | Seal Material | Socket       |             | Threaded     |             |
|-----------|---------------|--------------|-------------|--------------|-------------|
|           |               | Product Code | Universal # | Product Code | Universal # |

#### CLEAR PVC NON TRUE UNION, W/PVC 40 MESH SCREEN

|   |      |        |         |        |         |
|---|------|--------|---------|--------|---------|
| 3 | EPDM | 053211 | RVAT110 | 053267 | RVFT110 |
|   | FKM  | 054012 | RVAT210 | 053239 | RVFT210 |
| 4 | EPDM | 053212 | RVAT111 | 053268 | RVFT111 |
|   | FKM  | 054013 | RVAT211 | 053240 | RVFT211 |

| Sizes<br>ASTM Mesh | Hole Pitch<br>inches | Hole Dia<br>Microns / $\mu\text{m}$ | Availability |    |    |
|--------------------|----------------------|-------------------------------------|--------------|----|----|
|                    |                      |                                     | PVC          | SS | PP |
| 18 Mesh            | 0.059                | 1,016                               | –            | –  | X  |
| 20 Mesh            | 0.059                | 889                                 | –            | –  | X  |
| 30 Mesh            | 0.098                | 580                                 | X            | –  | –  |
| 35 Mesh            | 0.079                | 550                                 | X            | –  | –  |
| 40 Mesh            | 0.059                | 420                                 | X            | –  | –  |
| 45 Mesh            | 0.028                | 370                                 | –            | X  | –  |
| 70 Mesh            | 0.039                | 200                                 | X            | –  | –  |



## RV Series Sediment Strainer Replacement Screens

| Size<br>Inches | Significant<br>Number | Product<br>Code |
|----------------|-----------------------|-----------------|
|----------------|-----------------------|-----------------|

### PVC 30 MESH

|       |         |        |
|-------|---------|--------|
| 1/2   | 4RT13FV | 053947 |
| 3/4   | 4RT13GV | 053948 |
| 1     | 4RT13HV | 053949 |
| 1-1/4 | 4RT13IV | 053950 |
| 1-1/2 | 4RT13JV | 053951 |
| 2     | 4RT13LV | 053952 |
| 3     | 4RT13PV | 053953 |
| 4     | 4RT13QV | 053954 |

| Size<br>Inches | Significant<br>Number | Product<br>Code |
|----------------|-----------------------|-----------------|
|----------------|-----------------------|-----------------|

### PVC 35 MESH

|       |         |        |
|-------|---------|--------|
| 1/2   | 4RT15FV | 053955 |
| 3/4   | 4RT15GV | 053956 |
| 1     | 4RT15HV | 053957 |
| 1-1/4 | 4RT15IV | 053958 |
| 1-1/2 | 4RT15JV | 053959 |
| 2     | 4RT15LV | 053960 |
| 3     | 4RT15PV | 053961 |
| 4     | 4RT15QV | 053962 |

### PVC 40 MESH

|       |         |        |
|-------|---------|--------|
| 1/2   | 4RT19FV | 053963 |
| 3/4   | 4RT19GV | 053964 |
| 1     | 4RT19HV | 053965 |
| 1-1/4 | 4RT19IV | 053966 |
| 1-1/2 | 4RT19JV | 053967 |
| 2     | 4RT19LV | 053968 |
| 3     | 4RT19PV | 053969 |
| 4     | 4RT19QV | 053970 |

### PVC 70 MESH

|       |         |        |
|-------|---------|--------|
| 1/2   | 4RT30FV | 053971 |
| 3/4   | 4RT30GV | 053972 |
| 1     | 4RT30HV | 053973 |
| 1-1/4 | 4RT30IV | 053974 |
| 1-1/2 | 4RT30JV | 053975 |
| 2     | 4RT30LV | 053976 |
| 3     | 4RT30PV | 053977 |
| 4     | 4RT30QV | 053978 |

### SS 45 MESH

|       |          |        |
|-------|----------|--------|
| 1/2   | 4RT19FSS | 053979 |
| 3/4   | 4RT19GSS | 053980 |
| 1     | 4RT19HSS | 053981 |
| 1-1/4 | 4RT19ISS | 053982 |
| 1-1/2 | 4RT19JSS | 053983 |
| 2     | 4RT19LSS | 053984 |
| 3     | 4RT19PSS | 053985 |
| 4     | 4RT19QSS | 053986 |

### PP 20 MESH

|       |          |        |
|-------|----------|--------|
| * 1/2 | 4RT30FPP | 053332 |
| * 3/4 | 4RT30GPP | 053340 |
| 1     | 4RT30HPP | 053341 |
| 1-1/4 | 4RT30IPP | 053342 |
| 1-1/2 | 4RT30JPP | 053343 |
| 2     | 4RT30LPP | 053344 |
| 3     | -        | -      |
| 4     | -        | -      |

\* PP 18 Mesh screen

## S12/22 SERIES 2-WAY SOLENOID VALVE TRUE UNION, NORMALLY CLOSED, 110 VAC

The S12/22 Series True Union Solenoid Valve replaces the well-received SF Series with a number of new features and is designed for industrial, OEM and water service applications. The S12/22 is direct acting, 2 way-2 position flowcontrol valve, ideal for precise control and high-cycle service. The new high-performance electric solenoid actuator has been redesigned to exceed 5 million cycles without having to perform maintenance and a 100% duty cycle means no issues with overheating or "burnout". With their lever type shutter design, standard manual override, and LED position indicator, these valves will outlast and outperform more conventional diaphragm-style solenoid valves.



Pressure: up to 90 psi  
Sizes: 1/4" – 1/2"

| Size (in) | Seal Material | Socket       |             | Threaded     |             |
|-----------|---------------|--------------|-------------|--------------|-------------|
|           |               | Product Code | Universal # | Product Code | Universal # |

### S12/22 PVC

|     |      |      |        |                 |        |                 |
|-----|------|------|--------|-----------------|--------|-----------------|
| 1/4 | 0.16 | EPDM | 353687 | S12AV0414E110AC | 353723 | S12NV0414E110AC |
|     |      | FKM  | 353711 | S12AV0414F110AC | 353699 | S12NV0414F110AC |
|     | 0.24 | EPDM | 353688 | S12AV0614E110AC | 353724 | S12NV0614E110AC |
|     |      | FKM  | 353712 | S12AV0614F110AC | 353698 | S12NV0614F110AC |
| 1/2 | 0.31 | EPDM | 353689 | S12AV0814E110AC | 353725 | S12NV0814E110AC |
|     |      | FKM  | 353713 | S12AV0814F110AC | 353697 | S12NV0814F110AC |
|     | 0.31 | EPDM | 353696 | S22AV0812E110AC | 353734 | S22NV0812E110AC |
|     |      | FKM  | 353722 | S22AV0812F110AC | 353708 | S22NV0812F110AC |
|     | 0.39 | EPDM | 353709 | S22AV1012E110AC | 353733 | S22NV1012E110AC |
|     |      | FKM  | 353721 | S22AV1012F110AC | 353707 | S22NV1012F110AC |
|     | 0.59 | EPDM | 353710 | S22AV1512E110AC | 353732 | S22NV1512E110AC |
|     |      | FKM  | 353720 | S22AV1512F110AC | 353706 | S22NV1512F110AC |

## VV ANGLE SEAT VALVE - TRUE UNION, Y-PATTERN

Sizes: 1/2" – 2"

| Size (in) | Seal Material | Socket/Threaded |             |
|-----------|---------------|-----------------|-------------|
|           |               | Product Code    | Universal # |

### PVC, TRUE UNION W/ PTFE GLAND PACKING

|       |      |        |         |
|-------|------|--------|---------|
| 1/2   | EPDM | 253869 | VVBV103 |
| 3/4   | EPDM | 253870 | VVBV104 |
| 1     | EPDM | 253871 | VVBV105 |
| 1-1/4 | EPDM | 253872 | VVBV106 |
| 1-1/2 | EPDM | 253873 | VVBV107 |
| 2     | EPDM | 253874 | VVBV108 |



Note: Viton® sealing sets are available on request, please contact customer service.

# SILICONE FREE VALVES

These valves are expertly cleaned within a new clean room facility, conforming to ISO 14644-1 clean room standards. The facility utilizes a three stage chemical cleaning process, including ultrasonic cleaning tanks, to ensure all valve components are free from traces of silicone. The valve is then dried using a compressed air system and bagged within a dual skin silicone free package to prevent contamination. In addition, a non-silicone lubricant is used for both the ball valves and butterfly valves to maintain efficient operation over the lifetime of the system.

Silicone is present in a large number of products such as greases, oils, lubricants, and personal health care products. In the painting and inking industry, the presence of silicone could be detrimental. Silicone based products are relatively chemically inert and are very difficult to remove. In electrodeposition and painting processes, silicone prevents successful adhesion and causes surface defects, such as "cratering" or "fish eyes". Surface defects can be very costly for manufacturers, as often, the flawed components will need to be scrapped. To avoid the risk of such defects, some manufacturing facilities stipulate that only products and components guaranteed to be free from traces of silicone can be installed.



All Silicone free valves are double bagged to prevent contamination

## EXAMPLE APPLICATIONS

- ✓ Automotive
- ✓ Household Appliances
- ✓ Pharmaceutical
- ✓ Metal Surface Treatment
- ✓ Food and Beverage

| Product Group    | Type | Size          | Description                         | Sealing Material                                    | PVC | CPVC |
|------------------|------|---------------|-------------------------------------|-----------------------------------------------------|-----|------|
| Ball Valves      | VXE  | 1/2" – 4"     | Two Way Light Industrial Ball Valve | EPDM & FKM                                          | •   | •    |
|                  | VKD  | 3/8" – 4"     | Two Way Industrial Ball Valve       | EPDM & FKM                                          | •   | •    |
|                  | TKD  | 1/2" – 2"     | Three Way Ball Valve                | EPDM & FKM                                          | •   | •    |
| Butterfly Valves | FK   | 1 1/2" – 6"   | Industrial Butterfly Valve          | 1 1/2" – 2" (FKM only)<br>2 1/2" – 6" (FKM or EPDM) | •   | •    |
| Diaphragm Valves | DK   | 1/2" – 2 1/2" | Industrial Diaphragm Valve          | EPDM & PTFE                                         | •   | •    |
|                  | VM   | 3" – 4"       |                                     | EPDM & PTFE                                         | •   | •    |
| Check Valves     | SSE  | 3/8" – 4"     | Spring Check Valve                  | FKM                                                 | •   | •    |
|                  | SXE  | 3/8" – 4"     | True Union Check Valve              | EPDM & FKM                                          | •   | •    |
| Specialty        | RV   | 1/2" – 4"     | Sediment Strainer                   | EPDM & FKM                                          | •   | •    |



**There are pipe and fittings...**

## **and then there are valves**

IPEX offers one of the most comprehensive ranges of high quality, high performance thermoplastic valves and actuation products available today. With more than 65 years of design and manufacturing experience, our lightweight, long life, maintenance free valves will save you time and money.

IPEX thermoplastic valves are part of our complete systems of pipe, fittings and valves engineered and manufactured to IPEX's strict quality, performance and dimensional standards. With Xirtec PVC (industrial grade) and Xirtec CPVC, you can be confident that

all the material you need is designed, manufactured and backed by the same company.

Xirtec PVC and Xirtec CPVC high-performance systems feature outstanding resistance to photodegradation, creep stress and immunity to oxidation and are exceptionally suited for use with a wide range of acids, alcohols, salts and halogens. The perfect long service/low maintenance alternative to common and exotic metal systems.

Also, our network of manufacturing and customer service facilities across North America ensures fast, reliable service and expert technical support.





# QUARTER TURN AUTOMATION

## Quarter Turn Automation – Pneumatic / Electric

Automation is an ideal solution for precise control of many valves in a system, when valves are remotely located, or when the process requires constant monitoring and adjustment. Pneumatic and electric actuators can be easily fitted on our ball, multi-port, and butterfly valves. Some features and functions include normally closed, normally open, or double-acting operation; corrosion resistant aluminum bodies, pre-loaded springs, and adjustable cams. Many accessories such as visual position indicators, limit switches, 3 and 4-way solenoids, and positioners are also available. For further information, please refer to the IPEX Industrial Technical Manual Volume IX entitled, "Quarter Turn Automation".

### PNEUMATIC ACTUATORS OVERVIEW

Pneumatic actuators are the most common choice for quarter turn plastic valves in process applications. Compressed air systems are readily available in any plant, and the cost of the actuator itself is generally lower than that of an electric unit with a comparable torque output. Typical quarter turn automation seldom requires positioning (something achieved more easily with an electric actuator), therefore the cycle life of a pneumatic unit will be substantially greater, and will be intrinsically safer than an electric actuator in volatile environments. While there are many different kinds of pneumatic actuators, a rack and pinion style is the preferred choice within the plastic piping industry. This type of actuator is quite tough and rugged, and has a high cycle life. They generally have a compact, simple construction, and certain models can be quite light in weight. The design also allows the same basic actuator to be used as a double acting or (with minor additions) a spring return unit.



## DID YOU KNOW?

The three basic control functions available through quarter turn automation are:

1. **Double Acting** – This requires external power for each stroke. For example, power to open the valve, then power to close the valve.
2. **Normally Closed** – Also referred to as “fail safe closed”, the default position is closed and the actuator requires power to open the valve.
3. **Normally Open** – Also referred to as “fail safe open”, the default position is open and the actuator requires power to close the valve.

## ELECTRICAL ACTUATORS OVERVIEW

Although slightly more expensive than pneumatics, electric actuators have certain desirable benefits. They are the preferred choice when cycle time is an issue, as a quick closing pneumatically actuated valve could cause a damaging pressure surge condition (water hammer). The use of an electric actuator may also be preferred when the distance from the power source is considerable. The friction losses in long runs of compressed air line may result in reduced efficiency and/or additional compressor stations. In addition, electric actuators are the preferred (if not the only) choice when a quarterturn valve like a multi-port is used. In this case, it is possible that the travel required is not just 0° to 90° but 0° to 90° to 180°. A rack and pinion actuator would need four separate pistons and a multiplicity of related air chambers, whereas this is easily accomplished with an electric unit. Most electric actuators have a cam/limit switch arrangement which allows the unit to be set up for a variety of rotations. The two standard limit switches can be used to provide a remote location with an open or closed signal. A multitude of voltages both for AC and DC current are also typically available.



# VKD SERIES BALL VALVE – TRUE UNION



| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

## VKD w PTFE Seats

### Pneumatic – DOUBLE ACTING – SOCKET/THREADED

|       |      |      |        |             |
|-------|------|------|--------|-------------|
| 1/2   | PVC  | EPDM | 253296 | VKDBV103-DA |
|       |      | FKM  | 253305 | VKDBV203-DA |
|       | CPVC | EPDM | 253314 | VKDBC103-DA |
|       |      | FKM  | 253323 | VKDBC203-DA |
| 3/4   | PVC  | EPDM | 253297 | VKDBV104-DA |
|       |      | FKM  | 253306 | VKDBV204-DA |
|       | CPVC | EPDM | 253315 | VKDBC104-DA |
|       |      | FKM  | 253324 | VKDBC204-DA |
| 1     | PVC  | EPDM | 253298 | VKDBV105-DA |
|       |      | FKM  | 253307 | VKDBV205-DA |
|       | CPVC | EPDM | 253316 | VKDBC105-DA |
|       |      | FKM  | 253325 | VKDBC205-DA |
| 1-1/4 | PVC  | EPDM | 253299 | VKDBV106-DA |
|       |      | FKM  | 253308 | VKDBV206-DA |
|       | CPVC | EPDM | 253317 | VKDBC106-DA |
|       |      | FKM  | 253326 | VKDBC206-DA |
| 1-1/2 | PVC  | EPDM | 253300 | VKDBV107-DA |
|       |      | FKM  | 253309 | VKDBV207-DA |
|       | CPVC | EPDM | 253318 | VKDBC107-DA |
|       |      | FKM  | 253327 | VKDBC207-DA |
| 2     | PVC  | EPDM | 253301 | VKDBV108-DA |
|       |      | FKM  | 253310 | VKDBV208-DA |
|       | CPVC | EPDM | 253319 | VKDBC108-DA |
|       |      | FKM  | 253328 | VKDBC208-DA |

### Pneumatic – DOUBLE ACTING – SOCKET

|       |      |      |        |             |
|-------|------|------|--------|-------------|
| 2-1/2 | PVC  | EPDM | 253302 | VKDAV109-DA |
|       |      | FKM  | 253311 | VKDAV209-DA |
|       | CPVC | EPDM | 253320 | VKDAC109-DA |
|       |      | FKM  | 253329 | VKDAC209-DA |
| 3     | PVC  | EPDM | 253303 | VKDAV110-DA |
|       |      | FKM  | 253312 | VKDAV210-DA |
|       | CPVC | EPDM | 253321 | VKDAC110-DA |
|       |      | FKM  | 253330 | VKDAC210-DA |
| 4     | PVC  | EPDM | 253304 | VKDAV111-DA |
|       |      | FKM  | 253313 | VKDAV211-DA |
|       | CPVC | EPDM | 253322 | VKDAC111-DA |
|       |      | FKM  | 253331 | VKDAC211-DA |

| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

## VKD w PTFE Seats

### Electric – DOUBLE ACTING – SOCKET/THREADED

|       |      |      |        |             |
|-------|------|------|--------|-------------|
| 1/2   | PVC  | EPDM | 253404 | VKDBV103-EL |
|       |      | FKM  | 253413 | VKDBV203-EL |
|       | CPVC | EPDM | 253422 | VKDBC103-EL |
|       |      | FKM  | 253431 | VKDBC203-EL |
| 3/4   | PVC  | EPDM | 253405 | VKDBV104-EL |
|       |      | FKM  | 253414 | VKDBV204-EL |
|       | CPVC | EPDM | 253423 | VKDBC104-EL |
|       |      | FKM  | 253432 | VKDBC204-EL |
| 1     | PVC  | EPDM | 253406 | VKDBV105-EL |
|       |      | FKM  | 253415 | VKDBV205-EL |
|       | CPVC | EPDM | 253424 | VKDBC105-EL |
|       |      | FKM  | 253433 | VKDBC205-EL |
| 1-1/4 | PVC  | EPDM | 253407 | VKDBV106-EL |
|       |      | FKM  | 253416 | VKDBV206-EL |
|       | CPVC | EPDM | 253425 | VKDBC106-EL |
|       |      | FKM  | 253434 | VKDBC206-EL |
| 1-1/2 | PVC  | EPDM | 253408 | VKDBV107-EL |
|       |      | FKM  | 253417 | VKDBV207-EL |
|       | CPVC | EPDM | 253426 | VKDBC107-EL |
|       |      | FKM  | 253435 | VKDBC207-EL |
| 2     | PVC  | EPDM | 253409 | VKDBV108-EL |
|       |      | FKM  | 253418 | VKDBV208-EL |
|       | CPVC | EPDM | 253427 | VKDBC108-EL |
|       |      | FKM  | 253436 | VKDBC208-EL |

### Electric – DOUBLE ACTING – SOCKET

|       |      |      |        |             |
|-------|------|------|--------|-------------|
| 2-1/2 | PVC  | EPDM | 253410 | VKDAV109-EL |
|       |      | FKM  | 253419 | VKDAV209-EL |
|       | CPVC | EPDM | 253428 | VKDAC109-EL |
|       |      | FKM  | 253437 | VKDAC209-EL |
| 3     | PVC  | EPDM | 253411 | VKDAV110-EL |
|       |      | FKM  | 253420 | VKDAV210-EL |
|       | CPVC | EPDM | 253429 | VKDAC110-EL |
|       |      | FKM  | 253438 | VKDAC210-EL |
| 4     | PVC  | EPDM | 253412 | VKDAV111-EL |
|       |      | FKM  | 253421 | VKDAV211-EL |
|       | CPVC | EPDM | 253430 | VKDAC111-EL |
|       |      | FKM  | 253439 | VKDAC211-EL |

Note: 24 VDC, 4–20 mA Positioner, Fail Safe Battery Backup available.  
Consult IPEX Corrosion Resistant Thermoplastic Valves Price List or IPEX Representative

| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

#### VKD w PTFE Seats

#### Pneumatic – SPRING RETURN, NORMALLY CLOSED – SOCKET/THREADED

|       |      |      |        |             |
|-------|------|------|--------|-------------|
| 1/2   | PVC  | EPDM | 253332 | VKDBV103-NC |
|       |      | FKM  | 253341 | VKDBV203-NC |
|       | CPVC | EPDM | 253350 | VKDBC103-NC |
|       |      | FKM  | 253359 | VKDBC203-NC |
| 3/4   | PVC  | EPDM | 253333 | VKDBV104-NC |
|       |      | FKM  | 253342 | VKDBV204-NC |
|       | CPVC | EPDM | 253351 | VKDBC104-NC |
|       |      | FKM  | 253360 | VKDBC204-NC |
| 1     | PVC  | EPDM | 253334 | VKDBV105-NC |
|       |      | FKM  | 253343 | VKDBV205-NC |
|       | CPVC | EPDM | 253352 | VKDBC105-NC |
|       |      | FKM  | 253361 | VKDBC205-NC |
| 1-1/4 | PVC  | EPDM | 253335 | VKDBV106-NC |
|       |      | FKM  | 253344 | VKDBV206-NC |
|       | CPVC | EPDM | 253353 | VKDBC106-NC |
|       |      | FKM  | 253362 | VKDBC206-NC |
| 1-1/2 | PVC  | EPDM | 253336 | VKDBV107-NC |
|       |      | FKM  | 253345 | VKDBV207-NC |
|       | CPVC | EPDM | 253354 | VKDBC107-NC |
|       |      | FKM  | 253363 | VKDBC207-NC |
| 2     | PVC  | EPDM | 253337 | VKDBV108-NC |
|       |      | FKM  | 253346 | VKDBV208-NC |
|       | CPVC | EPDM | 253355 | VKDBC108-NC |
|       |      | FKM  | 253364 | VKDBC208-NC |

#### Pneumatic – SPRING RETURN, NORMALLY CLOSED – SOCKET

|       |      |      |        |             |
|-------|------|------|--------|-------------|
| 2-1/2 | PVC  | EPDM | 253338 | VKDAV109-NC |
|       |      | FKM  | 253347 | VKDAV209-NC |
|       | CPVC | EPDM | 253356 | VKDAC109-NC |
|       |      | FKM  | 253365 | VKDAC209-NC |
| 3     | PVC  | EPDM | 253339 | VKDAV110-NC |
|       |      | FKM  | 253348 | VKDAV210-NC |
|       | CPVC | EPDM | 253357 | VKDAC110-NC |
|       |      | FKM  | 253366 | VKDAC210-NC |
| 4     | PVC  | EPDM | 253340 | VKDAV111-NC |
|       |      | FKM  | 253349 | VKDAV211-NC |
|       | CPVC | EPDM | 253358 | VKDAC111-NC |
|       |      | FKM  | 253367 | VKDAC211-NC |

| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

#### VKD w PTFE Seats

#### Pneumatic – SPRING RETURN, NORMALLY OPEN – SOCKET/THREADED

|       |      |      |        |             |
|-------|------|------|--------|-------------|
| 1/2   | PVC  | EPDM | 253368 | VKDBV103-NO |
|       |      | FKM  | 253377 | VKDBV203-NO |
|       | CPVC | EPDM | 253386 | VKDBC103-NO |
|       |      | FKM  | 253395 | VKDBC203-NO |
| 3/4   | PVC  | EPDM | 253369 | VKDBV104-NO |
|       |      | FKM  | 253378 | VKDBV204-NO |
|       | CPVC | EPDM | 253387 | VKDBC104-NO |
|       |      | FKM  | 253396 | VKDBC204-NO |
| 1     | PVC  | EPDM | 253370 | VKDBV105-NO |
|       |      | FKM  | 253379 | VKDBV205-NO |
|       | CPVC | EPDM | 253388 | VKDBC105-NO |
|       |      | FKM  | 253397 | VKDBC205-NO |
| 1-1/4 | PVC  | EPDM | 253371 | VKDBV106-NO |
|       |      | FKM  | 253380 | VKDBV206-NO |
|       | CPVC | EPDM | 253389 | VKDBC106-NO |
|       |      | FKM  | 253398 | VKDBC206-NO |
| 1-1/2 | PVC  | EPDM | 253372 | VKDBV107-NO |
|       |      | FKM  | 253381 | VKDBV207-NO |
|       | CPVC | EPDM | 253390 | VKDBC107-NO |
|       |      | FKM  | 253399 | VKDBC207-NO |
| 2     | PVC  | EPDM | 253373 | VKDBV108-NO |
|       |      | FKM  | 253382 | VKDBV208-NO |
|       | CPVC | EPDM | 253391 | VKDBC108-NO |
|       |      | FKM  | 253400 | VKDBC208-NO |

#### Pneumatic – SPRING RETURN, NORMALLY OPEN – SOCKET

|       |      |      |        |             |
|-------|------|------|--------|-------------|
| 2-1/2 | PVC  | EPDM | 253374 | VKDAV109-NO |
|       |      | FKM  | 253383 | VKDAV209-NO |
|       | CPVC | EPDM | 253392 | VKDAC109-NO |
|       |      | FKM  | 253401 | VKDAC209-NO |
| 3     | PVC  | EPDM | 253375 | VKDAV110-NO |
|       |      | FKM  | 253384 | VKDAV210-NO |
|       | CPVC | EPDM | 253393 | VKDAC110-NO |
|       |      | FKM  | 253402 | VKDAC210-NO |
| 4     | PVC  | EPDM | 253376 | VKDAV111-NO |
|       |      | FKM  | 253385 | VKDAV211-NO |
|       | CPVC | EPDM | 253394 | VKDAC111-NO |
|       |      | FKM  | 253403 | VKDAC211-NO |

Note: 24 VDC, 4–20 mA Positioner, Fail Safe Battery Backup available.  
Consult IPEX Corrosion Resistant Thermoplastic Valves Price List or IPEX Representative

# TKD SERIES PVC 3-WAY BALL VALVE – TRUE UNION, PNEUMATIC

| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

TKD w PTFE Seats, L-PORT

Pneumatic – DOUBLE ACTING – SOCKET/THREADED

|       |      |      |        |              |
|-------|------|------|--------|--------------|
| 1/2   | PVC  | EPDM | 253791 | TKDLBV103-DA |
|       |      | FKM  | 253797 | TKDLBV203-DA |
|       | CPVC | EPDM | 254071 | TKDLBC103-DA |
|       |      | FKM  | 254001 | TKDLBC203-DA |
| 3/4   | PVC  | EPDM | 253792 | TKDLBV104-DA |
|       |      | FKM  | 253798 | TKDLBV204-DA |
|       | CPVC | EPDM | 254049 | TKDLBC104-DA |
|       |      | FKM  | 254002 | TKDLBC204-DA |
| 1     | PVC  | EPDM | 253793 | TKDLBV105-DA |
|       |      | FKM  | 253799 | TKDLBV205-DA |
|       | CPVC | EPDM | 254051 | TKDLBC105-DA |
|       |      | FKM  | 254003 | TKDLBC205-DA |
| 1-1/4 | PVC  | EPDM | 253794 | TKDLBV106-DA |
|       |      | FKM  | 253800 | TKDLBV206-DA |
|       | CPVC | EPDM | 254052 | TKDLBC106-DA |
|       |      | FKM  | 254004 | TKDLBC206-DA |
| 1-1/2 | PVC  | EPDM | 253795 | TKDLBV107-DA |
|       |      | FKM  | 253801 | TKDLBV207-DA |
|       | CPVC | EPDM | 254053 | TKDLBC107-DA |
|       |      | FKM  | 254005 | TKDLBC207-DA |
| 2     | PVC  | EPDM | 253796 | TKDLBV108-DA |
|       |      | FKM  | 253802 | TKDLBV208-DA |
|       | CPVC | EPDM | 254060 | TKDLBC108-DA |
|       |      | FKM  | 254006 | TKDLBC208-DA |



| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

TKD w PTFE Seats, L-PORT

Pneumatic – SPRING RETURN, NORMALLY OPEN – SOCKET/THREADED

|       |      |      |        |              |
|-------|------|------|--------|--------------|
| 1/2   | PVC  | EPDM | 253744 | TKDLBV103-NO |
|       |      | FKM  | 253750 | TKDLBV203-NO |
|       | CPVC | EPDM | 253828 | TKDLBV103-NO |
|       |      | FKM  | 254025 | TKDLBC203-NO |
| 3/4   | PVC  | EPDM | 253745 | TKDLBV104-NO |
|       |      | FKM  | 253751 | TKDLBV204-NO |
|       | CPVC | EPDM | 253829 | TKDLBV104-NO |
|       |      | FKM  | 254026 | TKDLBC204-NO |
| 1     | PVC  | EPDM | 253746 | TKDLBV105-NO |
|       |      | FKM  | 253752 | TKDLBV205-NO |
|       | CPVC | EPDM | 253830 | TKDLBV105-NO |
|       |      | FKM  | 254027 | TKDLBC205-NO |
| 1-1/4 | PVC  | EPDM | 253747 | TKDLBV106-NO |
|       |      | FKM  | 253753 | TKDLBV206-NO |
|       | CPVC | EPDM | 253831 | TKDLBV106-NO |
|       |      | FKM  | 254028 | TKDLBC206-NO |
| 1-1/2 | PVC  | EPDM | 253748 | TKDLBV107-NO |
|       |      | FKM  | 253754 | TKDLBV207-NO |
|       | CPVC | EPDM | 253832 | TKDLBV107-NO |
|       |      | FKM  | 254029 | TKDLBC207-NO |
| 2     | PVC  | EPDM | 253749 | TKDLBV108-NO |
|       |      | FKM  | 253755 | TKDLBV208-NO |
|       | CPVC | EPDM | 253833 | TKDLBV108-NO |
|       |      | FKM  | 254030 | TKDLBC208-NO |

Pneumatic – SPRING RETURN, NORMALLY CLOSED – SOCKET/THREADED

|       |      |      |        |              |
|-------|------|------|--------|--------------|
| 1/2   | PVC  | EPDM | 253767 | TKDLBV103-NC |
|       |      | FKM  | 253773 | TKDLBV203-NC |
|       | CPVC | EPDM | 254061 | TKDLBC103-NC |
|       |      | FKM  | 254013 | TKDLBC203-NC |
| 3/4   | PVC  | EPDM | 253768 | TKDLBV104-NC |
|       |      | FKM  | 253774 | TKDLBV204-NC |
|       | CPVC | EPDM | 254062 | TKDLBC104-NC |
|       |      | FKM  | 254014 | TKDLBC204-NC |
| 1     | PVC  | EPDM | 253769 | TKDLBV105-NC |
|       |      | FKM  | 253775 | TKDLBV205-NC |
|       | CPVC | EPDM | 254063 | TKDLBC105-NC |
|       |      | FKM  | 254015 | TKDLBC205-NC |
| 1-1/4 | PVC  | EPDM | 253770 | TKDLBV106-NC |
|       |      | FKM  | 253776 | TKDLBV206-NC |
|       | CPVC | EPDM | 254064 | TKDLBC106-NC |
|       |      | FKM  | 254016 | TKDLBC206-NC |
| 1-1/2 | PVC  | EPDM | 253771 | TKDLBV107-NC |
|       |      | FKM  | 253777 | TKDLBV207-NC |
|       | CPVC | EPDM | 254065 | TKDLBC107-NC |
|       |      | FKM  | 254017 | TKDLBC207-NC |
| 2     | PVC  | EPDM | 253772 | TKDLBV108-NC |
|       |      | FKM  | 253778 | TKDLBV208-NC |
|       | CPVC | EPDM | 254066 | TKDLBC108-NC |
|       |      | FKM  | 254018 | TKDLBC208-NC |

Note: 24 VDC, 4-20 mA Positioner, Fail Safe Battery Backup available.  
Consult IPEX Corrosion Resistant Thermoplastic Valves Price List or IPEX Representative

# TKD SERIES PVC 3-WAY BALL VALVE – TRUE UNION, PNEUMATIC

| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

TKD w PTFE Seats, T-PORT

Pneumatic – DOUBLE ACTING – SOCKET/THREADED

|       |      |      |        |              |
|-------|------|------|--------|--------------|
| 1/2   | PVC  | EPDM | 253803 | TKDTBV103-DA |
|       |      | FKM  | 253809 | TKDTBV203-DA |
|       | CPVC | EPDM | 254055 | TKDTBC103-DA |
|       |      | FKM  | 254007 | TKDTBC203-DA |
| 3/4   | PVC  | EPDM | 253804 | TKDTBV104-DA |
|       |      | FKM  | 253810 | TKDTBV204-DA |
|       | CPVC | EPDM | 254056 | TKDTBC104-DA |
|       |      | FKM  | 254008 | TKDTBC204-DA |
| 1     | PVC  | EPDM | 253805 | TKDTBV105-DA |
|       |      | FKM  | 253811 | TKDTBV205-DA |
|       | CPVC | EPDM | 254057 | TKDTBC105-DA |
|       |      | FKM  | 254009 | TKDTBC205-DA |
| 1-1/4 | PVC  | EPDM | 253806 | TKDTBV106-DA |
|       |      | FKM  | 253812 | TKDTBV206-DA |
|       | CPVC | EPDM | 254058 | TKDTBC106-DA |
|       |      | FKM  | 254010 | TKDTBC206-DA |
| 1-1/2 | PVC  | EPDM | 253807 | TKDTBV107-DA |
|       |      | FKM  | 253813 | TKDTBV207-DA |
|       | CPVC | EPDM | 254059 | TKDTBC107-DA |
|       |      | FKM  | 254011 | TKDTBC207-DA |
| 2     | PVC  | EPDM | 253808 | TKDTBV108-DA |
|       |      | FKM  | 253814 | TKDTBV208-DA |
|       | CPVC | EPDM | 254054 | TKDTBC108-DA |
|       |      | FKM  | 254012 | TKDTBC208-DA |

Pneumatic – SPRING RETURN, NORMALLY CLOSED – SOCKET/THREADED

|       |      |      |        |              |
|-------|------|------|--------|--------------|
| 1/2   | PVC  | EPDM | 253779 | TKDTBV103-NC |
|       |      | FKM  | 253785 | TKDTBV203-NC |
|       | CPVC | EPDM | 254067 | TKDTBC103-NC |
|       |      | FKM  | 254019 | TKDTBC203-NC |
| 3/4   | PVC  | EPDM | 253780 | TKDTBV104-NC |
|       |      | FKM  | 253786 | TKDTBV204-NC |
|       | CPVC | EPDM | 254068 | TKDTBC104-NC |
|       |      | FKM  | 254020 | TKDTBC204-NC |
| 1     | PVC  | EPDM | 253781 | TKDTBV105-NC |
|       |      | FKM  | 253787 | TKDTBV205-NC |
|       | CPVC | EPDM | 254069 | TKDTBC105-NC |
|       |      | FKM  | 254021 | TKDTBC205-NC |
| 1-1/4 | PVC  | EPDM | 253782 | TKDTBV106-NC |
|       |      | FKM  | 253788 | TKDTBV206-NC |
|       | CPVC | EPDM | 254070 | TKDTBC106-NC |
|       |      | FKM  | 254022 | TKDTBC206-NC |
| 1-1/2 | PVC  | EPDM | 253783 | TKDTBV107-NC |
|       |      | FKM  | 253789 | TKDTBV207-NC |
|       | CPVC | EPDM | 254050 | TKDTBC107-NC |
|       |      | FKM  | 254023 | TKDTBC207-NC |
| 2     | PVC  | EPDM | 253784 | TKDTBV108-NC |
|       |      | FKM  | 253790 | TKDTBV208-NC |
|       | CPVC | EPDM | 254072 | TKDTBC108-NC |
|       |      | FKM  | 254024 | TKDTBC208-NC |



| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

TKD w PTFE Seats, T-PORT

Pneumatic – SPRING RETURN, NORMALLY OPEN – SOCKET/THREADED

|       |      |      |        |              |
|-------|------|------|--------|--------------|
| 1/2   | PVC  | EPDM | 253756 | TKDTBV103-NO |
|       |      | FKM  | 253762 | TKDTBV203-NO |
|       | CPVC | EPDM | 253834 | TKDTBC103-NO |
|       |      | FKM  | 254031 | TKDTBC203-NO |
| 3/4   | PVC  | EPDM | 253757 | TKDTBV104-NO |
|       |      | FKM  | 253763 | TKDTBV204-NO |
|       | CPVC | EPDM | 253835 | TKDTBC104-NO |
|       |      | FKM  | 254032 | TKDTBC204-NO |
| 1     | PVC  | EPDM | 253758 | TKDTBV105-NO |
|       |      | FKM  | 253764 | TKDTBV205-NO |
|       | CPVC | EPDM | 283836 | TKDTBC105-NO |
|       |      | FKM  | 254033 | TKDTBC205-NO |
| 1-1/4 | PVC  | EPDM | 253759 | TKDTBV106-NO |
|       |      | FKM  | 253765 | TKDTBV206-NO |
|       | CPVC | EPDM | 253837 | TKDTBC106-NO |
|       |      | FKM  | 254034 | TKDTBC206-NO |
| 1-1/2 | PVC  | EPDM | 253760 | TKDTBV107-NO |
|       |      | FKM  | 253766 | TKDTBV207-NO |
|       | CPVC | EPDM | 253838 | TKDTBC107-NO |
|       |      | FKM  | 254035 | TKDTBC207-NO |
| 2     | PVC  | EPDM | 253761 | TKDTBV108-NO |
|       |      | FKM  | 253815 | TKDTBV208-NO |
|       | CPVC | EPDM | 253839 | TKDTBC108-NO |
|       |      | FKM  | 254036 | TKDTBC208-NO |

Note: 24 VDC, 4–20 mA Positioner, Fail Safe Battery Backup available.  
Consult IPEX Corrosion Resistant Thermoplastic Valves Price List or IPEX Representative

# TKD SERIES PVC 3-WAY BALL VALVE, ELECTRIC – 100-240 VAC

| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

## TKD w PTFE Seats, L-PORT

### Electric – DOUBLE ACTING – SOCKET/THREADED

|       |      |      |        |              |
|-------|------|------|--------|--------------|
| 1/2   | PVC  | EPDM | 253720 | TKDLBV103-EL |
|       |      | FKM  | 253726 | TKDLBV203-EL |
|       | CPVC | EPDM | 253840 | TKDLBV103-EL |
|       |      | FKM  | 254037 | TKDLBC203-EL |
| 3/4   | PVC  | EPDM | 253721 | TKDLBV104-EL |
|       |      | FKM  | 253727 | TKDLBV204-EL |
|       | CPVC | EPDM | 253841 | TKDLBV104-EL |
|       |      | FKM  | 254038 | TKDLBC204-EL |
| 1     | PVC  | EPDM | 253722 | TKDLBV105-EL |
|       |      | FKM  | 253728 | TKDLBV205-EL |
|       | CPVC | EPDM | 253991 | TKDLBV105-EL |
|       |      | FKM  | 254039 | TKDLBC205-EL |
| 1-1/4 | PVC  | EPDM | 253723 | TKDLBV106-EL |
|       |      | FKM  | 253729 | TKDLBV206-EL |
|       | CPVC | EPDM | 253992 | TKDLBV106-EL |
|       |      | FKM  | 254040 | TKDLBC206-EL |
| 1-1/2 | PVC  | EPDM | 253724 | TKDLBV107-EL |
|       |      | FKM  | 253730 | TKDLBV207-EL |
|       | CPVC | EPDM | 253993 | TKDLBV107-EL |
|       |      | FKM  | 254041 | TKDLBC207-EL |
| 2     | PVC  | EPDM | 253725 | TKDLBV108-EL |
|       |      | FKM  | 253731 | TKDLBV208-EL |
|       | CPVC | EPDM | 253994 | TKDLBV108-EL |
|       |      | FKM  | 254043 | TKDLBC208-EL |

| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

## TKD w PTFE Seats, T-PORT

### Electric – DOUBLE ACTING – SOCKET/THREADED

|       |      |      |        |              |
|-------|------|------|--------|--------------|
| 1/2   | PVC  | EPDM | 253732 | TKDTBV103-EL |
|       |      | FKM  | 253738 | TKDTBV203-EL |
|       | CPVC | EPDM | 253995 | TKDTBC103-EL |
|       |      | FKM  | 254044 | TKDTBC203-EL |
| 3/4   | PVC  | EPDM | 253733 | TKDTBV104-EL |
|       |      | FKM  | 253739 | TKDTBV204-EL |
|       | CPVC | EPDM | 253996 | TKDTBC104-EL |
|       |      | FKM  | 254045 | TKDTBC204-EL |
| 1     | PVC  | EPDM | 253734 | TKDTBV105-EL |
|       |      | FKM  | 253740 | TKDTBV205-EL |
|       | CPVC | EPDM | 253997 | TKDTBC105-EL |
|       |      | FKM  | 254046 | TKDTBC205-EL |
| 1-1/4 | PVC  | EPDM | 253735 | TKDTBV106-EL |
|       |      | FKM  | 253741 | TKDTBV206-EL |
|       | CPVC | EPDM | 253998 | TKDTBC106-EL |
|       |      | FKM  | 254047 | TKDTBC206-EL |
| 1-1/2 | PVC  | EPDM | 253736 | TKDTBV107-EL |
|       |      | FKM  | 253742 | TKDTBV207-EL |
|       | CPVC | EPDM | 253999 | TKDTBC107-EL |
|       |      | FKM  | 254048 | TKDTBC207-EL |
| 2     | PVC  | EPDM | 253737 | TKDTBV108-EL |
|       |      | FKM  | 253743 | TKDTBV208-EL |
|       | CPVC | EPDM | 254000 | TKDTBC108-EL |
|       |      | FKM  | 254042 | TKDTBC208-EL |



Note: Customer must specify "open" and "closed" positions for 3-way actuated valves. See technical manual for details. Electric actuators can be configured for either 90° or 180° operation.

# VKR SERIES PVC REGULATING BALL VALVE

| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

VKR w PTFE Seats

Electric – DOUBLE ACTING, 100-240VAC, W/ 4-20MA POSITIONER  
– SOCKET/THREADED

|       |     |      |        |             |
|-------|-----|------|--------|-------------|
| 1/2   | PVC | EPDM | 253185 | VKRBV103-EL |
|       |     | FKM  | 235189 | VKRBV203-EL |
| 3/4   | PVC | EPDM | 235186 | VKRBV104-EL |
|       |     | FKM  | 235190 | VKRBV204-EL |
| 1     | PVC | EPDM | 235187 | VKRBV105-EL |
|       |     | FKM  | 235191 | VKRBV205-EL |
| 1-1/4 | PVC | EPDM | 253186 | VKRBV106-EL |
|       |     | FKM  | 235192 | VKRBV206-EL |
| 1-1/2 | PVC | EPDM | 253187 | VKRBV107-EL |
|       |     | FKM  | 235193 | VKRBV207-EL |
| 2     | PVC | EPDM | 235188 | VKRBV108-EL |
|       |     | FKM  | 235194 | VKRBV208-EL |

Note: VKR valves are compatible with VKD ball valve accessories



# FK SERIES BUTTERFLY VALVE, PNEUMATIC



| Size (in) | Seal Material | Product Code | Universal Number |
|-----------|---------------|--------------|------------------|
|-----------|---------------|--------------|------------------|

## FK CPVC Disc, Wafer Style

### Pneumatic – DOUBLE ACTING

|       |      |        |            |
|-------|------|--------|------------|
| 1-1/2 | EPDM | 154600 | FKOM107DAC |
|       | FKM  | 154668 | FKOM207DAC |
| 2     | EPDM | 154601 | FKOM108DAC |
|       | FKM  | 154669 | FKOM208DAC |
| 2-1/2 | EPDM | 154602 | FKOM109DAC |
|       | FKM  | 154670 | FKOM209DAC |
| 3     | EPDM | 154603 | FKOM110DAC |
|       | FKM  | 154671 | FKOM210DAC |
| 4     | EPDM | 154604 | FKOM111DAC |
|       | FKM  | 154672 | FKOM211DAC |
| 5     | EPDM | 154605 | FKOM112DAC |
|       | FKM  | 154673 | FKOM212DAC |
| 6     | EPDM | 154606 | FKOM113DAC |
|       | FKM  | 154674 | FKOM212DAC |
| 8     | EPDM | 154607 | FKOM114DAC |
|       | FKM  | 154675 | FKOM214DAC |
| 10    | EPDM | 154608 | FKOM115DAC |
|       | FKM  | 154676 | FKOM215DAC |
| 12    | EPDM | 154609 | FKOM116DAC |
|       | FKM  | 154677 | FKOM216DAC |

## FK CPVC Disc, SS Lugs

|       |      |        |            |
|-------|------|--------|------------|
| 2-1/2 | EPDM | 154610 | FKLM109DAC |
|       | FKM  | 154678 | FKLM209DAC |
| 3     | EPDM | 154611 | FKLM110DAC |
|       | FKM  | 154679 | FKLM210DAC |
| 4     | EPDM | 154612 | FKLM111DAC |
|       | FKM  | 154680 | FKLM211DAC |
| 5     | EPDM | 154613 | FKLM112DAC |
|       | FKM  | 154681 | FKLM212DAC |
| 6     | EPDM | 154614 | FKLM113DAC |
|       | FKM  | 154682 | FKLM213DAC |
| 8     | EPDM | 154615 | FKLM114DAC |
|       | FKM  | 154683 | FKLM214DAC |
| 10    | EPDM | 154616 | FKLM115DAC |
|       | FKM  | 154684 | FKLM215DAC |
| 12    | EPDM | 154617 | FKLM116DAC |
|       | FKM  | 154685 | FKLM216DAC |

| Size (in) | Seal Material | Product Code | Universal Number |
|-----------|---------------|--------------|------------------|
|-----------|---------------|--------------|------------------|

## FK CPVC Disc, Wafer Style

### Pneumatic – SPRING RETURN, NORMALLY CLOSED

|       |      |         |            |
|-------|------|---------|------------|
| 1-1/2 | EPDM | 154618  | FKOM107NCC |
|       | FKM  | 154686  | FKOM207NCC |
| 2     | EPDM | 1540619 | FKOM108NCC |
|       | FKM  | 154687  | FKOM208NCC |
| 2-1/2 | EPDM | 154620  | FKOM109NCC |
|       | FKM  | 154688  | FKOM209NCC |
| 3     | EPDM | 154621  | FKOM110NCC |
|       | FKM  | 154689  | FKOM210NCC |
| 4     | EPDM | 154622  | FKOM111NCC |
|       | FKM  | 154690  | FKOM211NCC |
| 5     | EPDM | 154623  | FKOM112NCC |
|       | FKM  | 154691  | FKOM212NCC |
| 6     | EPDM | 154624  | FKOM113NCC |
|       | FKM  | 154692  | FKOM213NCC |
| 8     | EPDM | 154625  | FKOM114NCC |
|       | FKM  | 154693  | FKOM214NCC |
| 10    | EPDM | 154626  | FKOM115NCC |
|       | FKM  | 154694  | FKOM215NCC |
| 12    | EPDM | 154627  | FKOM116NCC |
|       | FKM  | 154695  | FKOM216NCC |

## FK CPVC Disc, SS Lugs

|       |      |        |            |
|-------|------|--------|------------|
| 2-1/2 | EPDM | 154628 | FKLM109NCC |
|       | FKM  | 154696 | FKLM209NCC |
| 3     | EPDM | 154629 | FKLM110NCC |
|       | FKM  | 154697 | FKLM210NCC |
| 4     | EPDM | 154630 | FKLM111NCC |
|       | FKM  | 154698 | FKLM211NCC |
| 5     | EPDM | 154631 | FKLM112NCC |
|       | FKM  | 154699 | FKLM212NCC |
| 6     | EPDM | 154632 | FKLM113NCC |
|       | FKM  | 154700 | FKLM213NCC |
| 8     | EPDM | 154633 | FKLM114NCC |
|       | FKM  | 154701 | FKLM214NCC |
| 10    | EPDM | 154634 | FKLM115NCC |
|       | FKM  | 154702 | FKLM215NCC |
| 12    | EPDM | 154635 | FKLM116NCC |
|       | FKM  | 154703 | FKLM216NCC |

Note: PP, PVC, ABS, and PVDF discs are available upon request.  
10" and 12" electrically actuated butterfly valves are available on request.

Note: 24 VDC, 4-20 mA Positioner, Fail Safe Battery Backup available.  
Consult IPEX Corrosion Resistant Thermoplastic Valves Price List or IPEX Representative

## FK SERIES BUTTERFLY VALVE, PNEUMATIC

| Size<br>(in) | Seal<br>Material | Product<br>Code | Universal<br>Number |
|--------------|------------------|-----------------|---------------------|
|--------------|------------------|-----------------|---------------------|

### FK CPVC Disc, Wafer Style

#### Pneumatic – SPRING RETURN, NORMALLY OPEN

|       |      |        |            |
|-------|------|--------|------------|
| 1-1/2 | EPDM | 154636 | FKOM107NOC |
|       | FKM  | 154704 | FKOM207NOC |
| 2     | EPDM | 154637 | FKOM108NOC |
|       | FKM  | 154705 | FKOM208NOC |
| 2-1/2 | EPDM | 154638 | FKOM109NOC |
|       | FKM  | 154706 | FKOM209NOC |
| 3     | EPDM | 154639 | FKOM110NOC |
|       | FKM  | 154707 | FKOM210NOC |
| 4     | EPDM | 154640 | FKOM111NOC |
|       | FKM  | 154708 | FKOM211NOC |
| 5     | EPDM | 154641 | FKOM112NOC |
|       | FKM  | 154709 | FKOM212NOC |
| 6     | EPDM | 154642 | FKOM113NOC |
|       | FKM  | 154710 | FKOM213NOC |
| 8     | EPDM | 154643 | FKOM114NOC |
|       | FKM  | 154711 | FKOM214NOC |
| 10    | EPDM | 154644 | FKOM115NOC |
|       | FKM  | 154712 | FKOM215NOC |
| 12    | EPDM | 154645 | FKOM116NOC |
|       | FKM  | 154713 | FKOM216NOC |

### FK CPVC Disc, SS Lugs

|       |      |        |            |
|-------|------|--------|------------|
| 2-1/2 | EPDM | 154646 | FKLM109NOC |
|       | FKM  | 154714 | FKLM209NOC |
| 3     | EPDM | 154647 | FKLM110NOC |
|       | FKM  | 154715 | FKLM210NOC |
| 4     | EPDM | 154648 | FKLM111NOC |
|       | FKM  | 154716 | FKLM211NOC |
| 5     | EPDM | 154649 | FKLM112NOC |
|       | FKM  | 154717 | FKLM212NOC |
| 6     | EPDM | 154650 | FKLM113NOC |
|       | FKM  | 154718 | FKLM213NOC |
| 8     | EPDM | 154651 | FKLM114NOC |
|       | FKM  | 154719 | FKLM214NOC |
| 10    | EPDM | 154652 | FKLM115NOC |
|       | FKM  | 154720 | FKLM215NOC |
| 12    | EPDM | 154653 | FKLM116NOC |
|       | FKM  | 154721 | FKLM216NOC |

## FK SERIES BUTTERFLY ELECTRIC DOUBLE ACTING – 100-240 VAC

| Size<br>(in) | Seal<br>Material | Product<br>Code | Universal<br>Number |
|--------------|------------------|-----------------|---------------------|
|--------------|------------------|-----------------|---------------------|

### FK CPVC Disc, Wafer Style

#### Electric – Double Acting

|       |      |        |            |
|-------|------|--------|------------|
| 1-1/2 | EPDM | 154654 | FKOM107ELC |
|       | FKM  | 154722 | FKOM207ELC |
| 2     | EPDM | 154655 | FKOM108ELC |
|       | FKM  | 154723 | FKOM208ELC |
| 2-1/2 | EPDM | 154656 | FKOM109ELC |
|       | FKM  | 154724 | FKOM209ELC |
| 3     | EPDM | 154657 | FKOM110ELC |
|       | FKM  | 154725 | FKOM210ELC |
| 4     | EPDM | 154658 | FKOM111ELC |
|       | FKM  | 154726 | FKOM211ELC |
| 5     | EPDM | 154659 | FKOM112ELC |
|       | FKM  | 154727 | FKOM212ELC |
| 6     | EPDM | 154660 | FKOM113ELC |
|       | FKM  | 154728 | FKOM213ELC |
| 8     | EPDM | 154661 | FKOM114ELC |
|       | FKM  | 154729 | FKOM214ELC |

### FK CPVC Disc, SS Lugs

|       |      |        |            |
|-------|------|--------|------------|
| 2-1/2 | EPDM | 154662 | FKLM109ELC |
|       | FKM  | 154730 | FKLM209ELC |
| 3     | EPDM | 154663 | FKLM110ELC |
|       | FKM  | 154731 | FKLM210ELC |
| 4     | EPDM | 154664 | FKLM111ELC |
|       | FKM  | 154732 | FKLM211ELC |
| 5     | EPDM | 154665 | FKLM112ELC |
|       | FKM  | 154733 | FKLM212ELC |
| 6     | EPDM | 154666 | FKLM113ELC |
|       | FKM  | 154734 | FKLM213ELC |
| 8     | EPDM | 154667 | FKLM114ELC |
|       | FKM  | 154735 | FKLM214ELC |

Note: PP, PVC, ABS, and PVDF discs are available upon request.

10" and 12" electrically actuated butterfly valves are available on request.

Note: 24 VDC, 4-20 mA Positioner, Fail Safe Battery Backup available.

Consult IPEX Corrosion Resistant Thermoplastic Valves Price List or IPEX Representative

# FE SERIES BUTTERFLY

## VALVE PNEUMATIC

| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

FE PVC Body & Disc, Wafer Style

### Pneumatic – DOUBLE ACTING

|       |     |      |        |            |
|-------|-----|------|--------|------------|
| 1-1/2 | PVC | EPDM | 253680 | FEOV107-DA |
| 2     | PVC | EPDM | 253681 | FEOV108-DA |
| 2-1/2 | PVC | EPDM | 253682 | FEOV109-DA |
| 3     | PVC | EPDM | 253683 | FEOV110-DA |
| 4     | PVC | EPDM | 253684 | FEOV111-DA |
| 5     | PVC | EPDM | 253685 | FEOV112-DA |
| 6     | PVC | EPDM | 253686 | FEOV113-DA |
| 8     | PVC | EPDM | 253687 | FEOV114-DA |
| 10    | PVC | EPDM | 253688 | FEOV115-DA |
| 12    | PVC | EPDM | 253689 | FEOV116-DA |

### Pneumatic – DOUBLE ACTING – NORMALLY CLOSED

|       |     |      |        |            |
|-------|-----|------|--------|------------|
| 1-1/2 | PVC | EPDM | 253690 | FEOV107-NC |
| 2     | PVC | EPDM | 253691 | FEOV108-NC |
| 2-1/2 | PVC | EPDM | 253692 | FEOV109-NC |
| 3     | PVC | EPDM | 253693 | FEOV110-NC |
| 4     | PVC | EPDM | 253694 | FEOV111-NC |
| 5     | PVC | EPDM | 253695 | FEOV112-NC |
| 6     | PVC | EPDM | 253696 | FEOV113-NC |
| 8     | PVC | EPDM | 253697 | FEOV114-NC |
| 10    | PVC | EPDM | 253698 | FEOV115-NC |
| 12    | PVC | EPDM | 253699 | FEOV116-NC |

### Pneumatic – DOUBLE ACTING – NORMALLY OPEN

|       |     |      |        |            |
|-------|-----|------|--------|------------|
| 1-1/2 | PVC | EPDM | 253700 | FEOV107-NO |
| 2     | PVC | EPDM | 253701 | FEOV108-NO |
| 2-1/2 | PVC | EPDM | 253702 | FEOV109-NO |
| 3     | PVC | EPDM | 253703 | FEOV110-NO |
| 4     | PVC | EPDM | 253704 | FEOV111-NO |
| 5     | PVC | EPDM | 253705 | FEOV112-NO |
| 6     | PVC | EPDM | 253706 | FEOV113-NO |
| 8     | PVC | EPDM | 253707 | FEOV114-NO |
| 10    | PVC | EPDM | 253708 | FEOV115-NO |
| 12    | PVC | EPDM | 253709 | FEOV116-NO |

Note: NBR and Viton® lined valves are available on request



# FE SERIES BUTTERFLY

## VALVE, ELECTRIC – 100-240 VAC

| Size (in) | Body Material | Seal Material | Product Code | Universal Number |
|-----------|---------------|---------------|--------------|------------------|
|-----------|---------------|---------------|--------------|------------------|

FE PVC Body & Disc, Wafer Style

### Electric – DOUBLE ACTING

|       |     |      |        |            |
|-------|-----|------|--------|------------|
| 1-1/2 | PVC | EPDM | 253710 | FEOV107-EL |
| 2     | PVC | EPDM | 253711 | FEOV108-EL |
| 2-1/2 | PVC | EPDM | 253712 | FEOV109-EL |
| 3     | PVC | EPDM | 253713 | FEOV110-EL |
| 4     | PVC | EPDM | 253714 | FEOV111-EL |
| 5     | PVC | EPDM | 253715 | FEOV112-EL |
| 6     | PVC | EPDM | 253716 | FEOV113-EL |
| 8     | PVC | EPDM | 253717 | FEOV114-EL |

10" and 12" electrically actuated butterfly valves are available upon request.



Note: 24 VDC, 4-20 mA Positioner, Fail Safe Battery Backup available.  
Consult IPEX Corrosion Resistant Thermoplastic Valves Price List or IPEX Representative

## ACCESSORIES – PNEUMATIC ACTUATOR

Component Style

Product Code

Universal Number

### Pilot Solenoids – 110 VAC, 3/4-Way



|           |        |               |
|-----------|--------|---------------|
| NEMA 4/4X | 253055 | SV61CSA110VAC |
| NEMA 7/9  | 253056 | SV91          |

Pilot solenoids meet NAMUR mounting specifications.

### Pilot Solenoids – 24 VDC, 3/4-Way

|           |        |              |
|-----------|--------|--------------|
| NEMA 4/4X | 253088 | SV61CSA24VDC |
|-----------|--------|--------------|

Pilot solenoids meet NAMUR mounting specifications.

### Limit Switches – NEMA 4/4X



|            |        |          |
|------------|--------|----------|
| Mechanical | 253057 | MS41-2   |
| Proximity  | 253058 | PS41-2AL |

Limit switches include universal mounting brackets (ISO 5211)

### Positioners



|                                         |        |       |
|-----------------------------------------|--------|-------|
| 3-15 psi                                | 253061 | PNY01 |
| 4 - 20 mA                               | 253059 | PEY01 |
| 4 - 20 mA, w/ limit switch (LS)         | 253816 | PEY02 |
| 4 - 20 mA, w/ position transmitter (PT) | 253817 | PEY03 |
| 4 - 20 mA, w/ LS & PT                   | 253818 | PEY04 |
| 4 - 20 mA, I-safe                       | 253062 | PEI01 |

All positioners include universal mounting brackets (ISO 5211) and gages.

Several other positioners available, including Intrinsically Safe, Explosion proof, Smart, Stainless Steel and High Vibration models, with limit switch and position transmitter options. Please contact IPEX for more information.

### Manual Override



|                                     |        |            |
|-------------------------------------|--------|------------|
| Sandwich Declutch. Gearbox ISO 5211 | 253819 | PV01-GOJ26 |
|-------------------------------------|--------|------------|

Declutchable gearbox has MAXIMUM torque rating of 2600 in.-lbs. For higher torque values, please contact IPEX for larger size gearbox models.

### Other



|                              |        |             |
|------------------------------|--------|-------------|
| Muffer - Brass/Bronze        | 253065 | MUFF-NPT    |
| Speed Control - Brass/Bronze | 253066 | SPEED-NPT   |
| L-Port Actuator Beacon Kit   | 253089 | BEACON-3W-L |
| T-Port Actuator Beacon Kit   | 253090 | BEACON-3W-T |

Customer must specify at time of order if accessories are to be factory assembled with the actuated valves.

## ACCESSORIES – MOUNTING

| Size Inches | Mounting Detail | Product Code | Universal Number |
|-------------|-----------------|--------------|------------------|
|-------------|-----------------|--------------|------------------|

### VKD, TKD & VKR Series Ball Valve Mounting Kit



|                 |                  |        |              |
|-----------------|------------------|--------|--------------|
| 1/2             | F03 / F04 / 11mm | 154048 | 2KTPQCPEF    |
| 3/4             | F04 / 11mm       | 154049 | 2KTPQCPGGF04 |
| 3/4             | F03 / F05 / 11mm | 154050 | 2KTPQCPGG    |
| 1               | F04 / 11mm       | 154051 | 2KTPQCPHHF04 |
| 1               | F03 / F05 / 11mm | 154052 | 2KTPQCPHH    |
| 1-1/4           | F05 / F07 / 11mm | 154182 | 2KTPQCPH11   |
| 1-1/4           | F05 / F07 / 14mm | 154053 | 2KTPQCPH     |
| 1-1/2           | F05 / F07 / 11mm | 154183 | 2KTPQCPJJ11  |
| 1-1/2           | F05 / F07 / 14mm | 154054 | 2KTPQCPJJ    |
| 2               | F05 / F07 / 11mm | 154174 | 2KTPQPLL11   |
| 2               | F05 / F07 / 14mm | 154055 | 2KTPQPLL     |
| 2-1/2 - 4 (VKD) | F05 / F07        | 153001 | 1PIA08TM     |

### Spacer Plate for FK Series Butterfly Valves



|           |           |        |          |
|-----------|-----------|--------|----------|
| 1-1/2 - 6 | F05 / F07 | 153001 | 1PIA08TM |
| 8         | F10       | 153002 | 1PIA08VM |

### Square Stem Adapter



|             |             |        |          |
|-------------|-------------|--------|----------|
| 0.43 x 0.35 | 11mm x 9mm  | 253048 | 11X9SSA  |
| 0.55 x 0.43 | 14mm x 11mm | 253049 | 14X11SSA |
| 0.67 x 0.43 | 17mm x 11mm | 253050 | 17X11SSA |
| 0.67 x 0.55 | 17mm x 14mm | 253051 | 17X14SSA |
| 0.87 x 0.67 | 22mm x 17mm | 253052 | 22X17SSA |
| 1.06 x 0.87 | 27mm x 22mm | 253053 | 27X22SSA |
| 1.42 x 1.06 | 36mm x 27mm | 253054 | 36X27SSA |

1. IPEX's highly chemically resistant PVC and CPVC ventilation duct systems feature seamless pipe for greater flow rates. Their light weight allows for easier handling on the job, which means lower installation costs.
2. For applications where quick assembly is required under adverse conditions, IPEX offers factory-grooved PVC pipe designed to mate easily with mechanical grooved couplings.
3. And, IPEX well casings offer corrosion-resistant, maintenance-free protection for well-drop-pipe and submersible pumps.

# SPECIALTY PRODUCTS



Ventilation Duct

196

Well Casings

199

Grooved PVC Pipe

200

# SPECIALTY PRODUCTS

## Ventilation Duct

### PVC & CPVC Ventilation Duct

IPEX PVC & CPVC ventilation duct systems provide effective solutions for industrial ventilation, protecting workers and the environment from contaminated air.

#### STANDARDS



ASTM D1784  
CAN/ULC S102.2

#### PVC ADVANTAGES

- 1 Extruded seamless PVC duct in all standard diameters 6" through 24"
- 2 PVC withstands exhaust temperatures up to 140°F (60°C)
- 3 PVC cell class 12454 as per ASTM D1784
- 4 For use in industrial and institutional fume handling systems requiring high resistance to corrosive vapors
- 5 Ideal for plating, metal finishing and laboratory installations
- 6 Low installed cost as compared to noncorrosive metallics
- 7 Light weight allows longer runs and speeds installation with simple tools and piping techniques
- 8 Low maintenance requirements over extended service periods
- 9 PVC pipe compound has a low flame spread rating of 10 as per CAN/ULC S102.2

#### CPVC ADVANTAGES

- 1 Extruded seamless CPVC duct in all standard diameters 6" through 16"
- 2 CPVC withstands exhaust temperatures up to 200°F (93°C)
- 3 CPVC cell class 23447 as per ASTM 1784
- 4 CPVC is inert to most mineral acids, bases, salts, and aliphatic hydrocarbons, and compares favorably to other non-metals in corrosive chemical environments.
- 5 Ideal for chemical processing, semi-conductor fabrication, metal plating & finishing, pulp & paper, waste water treatment plants, and laboratory installations
- 6 Low installed cost as compared to non-corrosive exotic metal systems and PVDF
- 7 Light weight allows longer runs and speeds installation with simple tools and piping techniques.
- 8 Low maintenance requirements over extended service periods
- 9 CPVC pipe compound has a low flame spread rating of 10 and smoke development classification of 25 as per CAN/ULC S102.2
- 10 CPVC compound meets and is listed FM 4910 "Clean Room Materials Flammability Test Protocol" approval standard



### PVC Ventilation Duct Pipe Dimensions

| Duct Pipe Size (in) | Product Code | Average O.D. (in.) | Average I.D. (in.) | Average Wall Thickness (in.) | PVC Weight (lbs/ft) |
|---------------------|--------------|--------------------|--------------------|------------------------------|---------------------|
| 6 x 20              | 046700       | 6.625              | 6.251              | 0.187                        | 2.319               |
| 8 x 20              | 046702       | 8.625              | 8.251              | 0.187                        | 3.040               |
| 10 x 10             | 046009       | 10.750             | 10.376             | 0.187                        | 3.805               |
| 10 x 20             | 046704       | 10.750             | 10.376             | 0.187                        | 3.805               |
| 12 x 10             | 046010       | 12.750             | 12.376             | 0.187                        | 4.528               |
| 12 x 20             | 046706       | 12.750             | 12.376             | 0.187                        | 4.528               |
| 14 x 20             | 046707       | 14.000             | 13.626             | 0.187                        | 4.978               |
| 16 x 20             | 046708       | 16.000             | 15.626             | 0.187                        | 5.697               |
| 18 x 20             | 046709       | 18.000             | 17.626             | 0.187                        | 6.420               |
| 20 x 20             | 046711       | 20.000             | 19.500             | 0.250                        | 9.515               |
| 24 x 20             | 046713       | 24.000             | 23.500             | 0.250                        | 11.442              |

10' lengths available upon request.

These products are for atmospheric venting only. Do not use in pressurized air or gas systems.

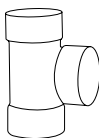
### CPVC Ventilation Duct Pipe Dimensions

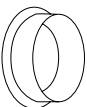
| Duct Pipe Size (in) | Product Code | Average O.D. (in.) | Average I.D. (in.) | Average Wall Thickness (in.) | CPVC Weight (lbs/ft) |
|---------------------|--------------|--------------------|--------------------|------------------------------|----------------------|
| 6 x 20              | 247700       | 6.625              | 6.251              | 0.187                        | 2.519                |
| 8 x 20              | 247702       | 8.625              | 8.251              | 0.187                        | 3.301                |
| 10 x 20             | 247704       | 10.750             | 10.376             | 0.187                        | 4.133                |
| 12 x 20             | 247706       | 12.750             | 12.376             | 0.187                        | 4.916                |
| 14 x 20             | 247707       | 14.000             | 13.626             | 0.187                        | 5.405                |
| 16 x 20             | 247708       | 16.000             | 15.626             | 0.187                        | 6.188                |

10' lengths available upon request.

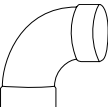
These products are for atmospheric venting only. Do not use in pressurized air or gas systems.

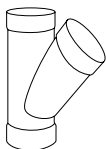
## PRODUCT SELECTION CHART – PVC VENTILATION DUCT FITTINGS

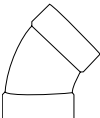
|                                                                                       | Dimension<br>inches | Product<br>Code |
|---------------------------------------------------------------------------------------|---------------------|-----------------|
|  Tee | Soc x Soc x Soc     |                 |
|                                                                                       | 6                   | 234018          |
|                                                                                       | 8                   | 234019          |
|                                                                                       | 10                  | 234020          |
|                                                                                       | 12                  | 234021          |
|                                                                                       | 14                  | 234022          |
|                                                                                       | 16                  | 234023          |
|                                                                                       | 18                  | 234024          |
|                                                                                       | 20                  | 234025          |
|                                                                                       | 24                  | 234026          |

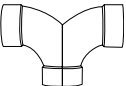
|                                                                                       | Dimension<br>inches | Product<br>Code |
|---------------------------------------------------------------------------------------|---------------------|-----------------|
|  Cap | Soc                 |                 |
|                                                                                       | 6                   | 234070          |
|                                                                                       | 8                   | 234071          |
|                                                                                       | 10                  | 234072          |
|                                                                                       | 12                  | 234073          |
|                                                                                       | 14                  | 234074          |
|                                                                                       | 16                  | 234075          |
|                                                                                       | 18                  | 234076          |
|                                                                                       | 20                  | 234077          |
|                                                                                       | 24                  | 234078          |

|                                                                                                      | Dimension<br>inches | Product<br>Code |
|------------------------------------------------------------------------------------------------------|---------------------|-----------------|
|  Butterfly Damper | Soc x Soc           |                 |
|                                                                                                      | * 6                 | 234088          |
|                                                                                                      | * 8                 | 234089          |
|                                                                                                      | * 10                | 234090          |
|                                                                                                      | * 12                | 234091          |
|                                                                                                      | * 14                | 234092          |
|                                                                                                      | * 16                | 234093          |
|                                                                                                      | ** 18               | 234094          |
|                                                                                                      | ** 20               | 234095          |
|                                                                                                      | ** 24               | 234096          |

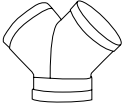
|                                                                                             |           |        |
|---------------------------------------------------------------------------------------------|-----------|--------|
|  90° Elbow | Soc x Soc |        |
|                                                                                             | 6         | 234000 |
|                                                                                             | 8         | 234001 |
|                                                                                             | 10        | 234002 |
|                                                                                             | 12        | 234003 |
|                                                                                             | 14        | 234004 |
|                                                                                             | 16        | 234005 |
|                                                                                             | 18        | 234006 |
|                                                                                             | 20        | 234007 |
|                                                                                             | 24        | 234008 |

|                                                                                           |                 |        |
|-------------------------------------------------------------------------------------------|-----------------|--------|
|  45° Wye | Soc x Soc x Soc |        |
|                                                                                           | 6               | 234043 |
|                                                                                           | 8               | 234044 |
|                                                                                           | 10              | 234045 |
|                                                                                           | 12              | 234046 |
|                                                                                           | 14              | 234047 |
|                                                                                           | 16              | 234048 |
|                                                                                           | 18              | 234049 |
|                                                                                           | 20              | 234050 |
|                                                                                           | 24              | 234051 |

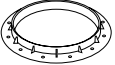
|                                                                                               |           |        |
|-----------------------------------------------------------------------------------------------|-----------|--------|
|  45° Elbow | Soc x Soc |        |
|                                                                                               | 6         | 234009 |
|                                                                                               | 8         | 234010 |
|                                                                                               | 10        | 234011 |
|                                                                                               | 12        | 234012 |
|                                                                                               | 14        | 234013 |
|                                                                                               | 16        | 234014 |
|                                                                                               | 18        | 234015 |
|                                                                                               | 20        | 234016 |
|                                                                                               | 24        | 234017 |

|                                                                                                  |                 |        |
|--------------------------------------------------------------------------------------------------|-----------------|--------|
|  90° Pant Leg | Soc x Soc x Soc |        |
|                                                                                                  | 6               | 234061 |
|                                                                                                  | 8               | 234062 |
|                                                                                                  | 10              | 234063 |
|                                                                                                  | 12              | 234064 |
|                                                                                                  | 14              | 234065 |
|                                                                                                  | 16              | 234066 |
|                                                                                                  | 18              | 234067 |
|                                                                                                  | 20              | 234068 |
|                                                                                                  | 24              | 234069 |

|                                                                                              |           |        |
|----------------------------------------------------------------------------------------------|-----------|--------|
|  Coupling | Soc x Soc |        |
|                                                                                              | 6         | 234027 |
|                                                                                              | 8         | 234028 |
|                                                                                              | 10        | 234029 |
|                                                                                              | 12        | 234030 |
|                                                                                              | 14        | 234031 |
|                                                                                              | 16        | 234032 |
|                                                                                              | 18        | 234033 |
|                                                                                              | 20        | 234034 |
|                                                                                              | 24        | 234035 |

|                                                                                                  |                 |        |
|--------------------------------------------------------------------------------------------------|-----------------|--------|
|  45° Pant Leg | Soc x Soc x Soc |        |
|                                                                                                  | 6               | 234052 |
|                                                                                                  | 8               | 234053 |
|                                                                                                  | 10              | 234054 |
|                                                                                                  | 12              | 234055 |
|                                                                                                  | 14              | 234056 |
|                                                                                                  | 16              | 234057 |
|                                                                                                  | 18              | 234058 |
|                                                                                                  | 20              | 234059 |
|                                                                                                  | 24              | 234060 |

|                                                                                                      |           |        |
|------------------------------------------------------------------------------------------------------|-----------|--------|
|  Reducer Coupling | Soc x Soc |        |
|                                                                                                      | 8 x 6     | 234036 |
|                                                                                                      | 10 x 6    | 234038 |
|                                                                                                      | 10 x 8    | 234037 |
|                                                                                                      | 12 x 8    | 234040 |
|                                                                                                      | 12 x 10   | 234039 |
|                                                                                                      | 14 x 8    | 234041 |
|                                                                                                      | 16 x 12   | 234042 |

|                                                                                            |     |        |
|--------------------------------------------------------------------------------------------|-----|--------|
|  Flange | Soc |        |
|                                                                                            | 6   | 234079 |
|                                                                                            | 8   | 234080 |
|                                                                                            | 10  | 234081 |
|                                                                                            | 12  | 234082 |
|                                                                                            | 14  | 234083 |
|                                                                                            | 16  | 234084 |
|                                                                                            | 18  | 234085 |
|                                                                                            | 20  | 234086 |
|                                                                                            | 24  | 234087 |

\* standard continuous adjustment, manual operation, socket connection, with locking screw, with graduated collar.

\*\* standard continuous adjustment, manual operation, socket connection, with locking screw, without graduated collar

# PVC Well Casing

IPEX bell end PVC well casing provides corrosion-resistant, maintenance-free protection for well drop-pipe and submersible pumps. Its light weight facilitates installation with conventional tools and piping techniques. It is manufactured to ASTM standards and is available throughout North America from IPEX's fully stocked service centers.

## STANDARDS



ASTM D1784, ASTM D1785, ASTM F480  
ASTM D2665 - Sch 40 pipe only

## ADVANTAGES

- ① Meets ASTM D1784, D1785, D2665 (Sch 40 pipe only) and F480 specifications.
- ② Third-party certified by NSF.
- ③ Solvent weld joints are strong and water tight.
- ④ Installation can be accomplished with lighter setting equipment than is required for metallic piping.
- ⑤ Electrically non-conductive which reduces job site work hazards.
- ⑥ Non-toxic and non-leaching with excellent chemical resistance.
- ⑦ Available in bell end 2" - 16" or plain end for threading 2" - 12".

Dimensions for Xirtec PVC Well Casing Pipe – ASTM F480

| Pipe Size<br>(in.) | Product<br>Code | Outside Diameter (in.) |                  | Minimum Wall Thickness (in.) |        |        | Bell Length<br>(in.) |
|--------------------|-----------------|------------------------|------------------|------------------------------|--------|--------|----------------------|
|                    |                 | Average                | Tolerance on Avg | SDR21                        | Sch 40 | Sch 80 |                      |
| 2                  | 022620          | 2.375                  | ±0.006           | 0.113                        | 0.154  | 0.218  | 4.000                |
| 2-1/2              | 022625          | 2.875                  | ±0.007           | 0.137                        | 0.203  | 0.276  | 5.000                |
| 3                  | 022630          | 3.500                  | ±0.008           | 0.167                        | 0.216  | 0.300  | 5.500                |
| 4                  | 022640          | 4.500                  | ±0.009           | 0.214                        | 0.237  | 0.337  | 6.500                |
| 5                  | 022650          | 5.563                  | ±0.010           | 0.265                        | 0.258  | 0.375  | 6.000                |
| 6                  | 022660          | 6.625                  | ±0.011           | 0.316                        | 0.280  | 0.432  | 8.000                |
| 8                  | 022680          | 8.625                  | ±0.015           | 0.410                        | 0.322  | 0.500  | 7.000                |
| 10                 | 022690          | 10.750                 | ±0.015           | 0.511                        | 0.365  | 0.593  | 7.500                |
| 12                 | 022692          | 12.750                 | ±0.015           | 0.606                        | 0.406  | 0.687  | 8.500                |
| 14                 | 022694          | 14.000                 | ±0.020           | 0.667                        | 0.437  | 0.750  | 9.000                |
| 16                 | 022696          | 16.000                 | ±0.020           | 0.762                        | 0.500  | 0.843  | 10.000               |

# Roll Grooved PVC Pipe

IPEX PVC pipe can be roll or cut-grooved at each end for quick connection using mechanical couplings specifically designed for PVC pipe. This method can be used in any application where PVC pipe is acceptable and where it is desirable to have a means for quick assembly under adverse conditions.

## ADVANTAGES

- 1 Completely re-usable pressure system that does not require threading, solvent welding, or flanging.
- 2 Joints are mechanically locked to produce a secure, leak-tight connection under pressure or vacuum. (See coupling manufacturer's product information for details on pressure capabilities.)
- 3 A union at every joint allows for speed and ease of assembly and field maintenance.
- 4 In abrasive applications, pipe can easily be rotated to distribute wear evenly.
- 5 Flexible system permits laying on rough or uneven terrain.
- 6 When using a gasket-type coupler, each joint will absorb some expansion and contraction due to temperature changes.
- 7 Grooved systems facilitate fast add-ons, modifications or re-location of the pipe.



## DID YOU KNOW?

For more information on our Specialty Products, you can download our Vinyl Process Piping Systems Technical Manual quickly and easily. Just go to our website: [ipexna.com](http://ipexna.com).



Roll Grooved PVC Pipe is available in sizes from 2" – 12" in both Schedule 40 and Schedule 80 dimensions.

\* Contact your local IPEX representative for more information



# Bookmark Our Website

[ipexna.com](http://ipexna.com)



PRODUCT INFO,  
TECHNICAL  
DOCUMENTS,  
ONLINE TRAINING  
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- Specifications
- Dimensions
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- and much more ...

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### IPEX USA LLC

Toll Free: (800) 463-9572

[ipexna.com](http://ipexna.com)

### About IPEX by Aliaxis

As leading suppliers of thermoplastic piping systems, IPEX by Aliaxis provides our customers with some of the world's largest and most comprehensive product lines. All IPEX by Aliaxis products are backed by more than 50 years of experience. With state-of-the-art manufacturing facilities and distribution centers across North America, we have earned a reputation for product innovation, quality, end-user focus and performance.

Markets served by IPEX by Aliaxis products are:

- Industrial process piping systems
- Double containment systems
- Acid waste systems
- High purity systems
- Compressed air and inert gas piping system
- Manual and actuated thermoplastic valves
- Industrial, plumbing and electrical cements
- Electrical systems
- Telecommunications and utility piping systems
- Industrial process piping systems
- Municipal pressure and gravity piping systems
- Plumbing and mechanical piping systems
- Electrofusion systems for gas and water
- Irrigation systems
- PVC, CPVC, ABS, PE, PEX, PVCO, PP and PVDF pipe and fittings (1/2" to 60")

Centra-Guard™, Centra-Lok™, Clear-Guard™, CustomGuard®, Drain-Guard™, Duraplus®, Duratec®, Encase™, Enfield™, Enpure™, Floway™, Guardian™, Labline®, Neutratank®, Neutrasystem2™, Plenumline™ and Xirtec® are trademarks used under license.

Xirtec® CPVC piping systems are made with Corzan® CPVC compounds.

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A policy of ongoing product improvement is maintained. This may result in modifications of features and/or specifications without notice.



**IPEX**  
by **alixis**

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