

POOL & WATER FEATURE PIPING SYSTEMS



Xirtec140 Duraplus™
PVC PROCESS PIPING SYSTEM ABS INDUSTRIAL SYSTEM

Duratec® Duraplus™
AIRLINE SYSTEM air-line



POOL & WATER FEATURE PIPING SYSTEMS

WATER & AIR PIPING SYSTEMS

- Xirtec140 PVC Piping System
- Thermoplastic Valves
- Duraplus AirLine System
- Duratec AirLine Piping System


IPEX

We build tough products for tough environments®



IPEX — Your Corrosion-Proof Solution

IPEX Inc., a reliable single-source manufacturer, offers a complete line of thermoplastic pipe, valves and fittings for pool and water recreation applications. These environments require durable, low maintenance, corrosion resistant systems.

Available in 1/2" through 48" sizes and various pressure ratings, IPEX systems all feature:

- Corrosion Resistance
- Outstanding Chemical Resistance
- Lower Installation and Maintenance Costs
- Multiple Applications

Thermoplastic pipe has been successfully used in swimming pools and water features, world wide for over 50 years.

Water Distribution and Collection — Pipe, Valves & Fittings

Xirtec¹⁴⁰ PVC Systems — 1/2" TO 48"

Xirtec® PVC is fundamentally ageless, inert, and possesses outstanding resistance to a wide range of chemicals, including filtration media, and chlorinated water. It will not rust, pit, scale, or corrode on either the interior or exterior surfaces even in submerged water applications. These non-corroding properties ensure improved flow, lower maintenance costs, no contamination and longer performance life of the entire system.

PVC is lightweight, easily handled, stored, cut and joined by utilizing a convenient solvent cement weld method. A simple mechanical joint, such as flanges; or a gasket push-fitting bell and spigot joint, is available for pipe diameters above 24".



Product Description	Configuration/Measurement	Size Range
Xirtec PVC Pipe	Schedule 40 & 80	1/2" to 24"
Xirtec PVC Pipe	SDR	1/2" to 48"
Xirtec PVC Fittings	Schedule 40 & 80	1/2" to 24"



VE and FE Valves – 1/2" TO 24"

IPEX features high quality valves specifically designed for pool and water feature applications. The VE true union PVC ball valve features an ultra-compact double block design and full port bi-directional operation. Deep threads and thick o-ring seals contribute to the overall strength, while the machined ball and stem contribute to the quality and smooth operation.

The all PVC construction, non-wetted stem, and EPDM liner of the FE butterfly valve makes it the perfect choice for applications ranging from swimming pools to large scale water features. The profiled liner and Teflon® antifriction rings reduce the necessary torque for easy operation.

Both the VE and FE valves feature blue handles that signify chlorinated water service. These valves are part of our complete systems of pipe, valves and fittings, engineered and manufactured to IPEX strict quality, performance and dimensional standards.

Pneumatic and Electric actuation is available for both the VE ball and FE butterfly valves. This allows for a self regulating, fully automated water recreation system.

Product Description	Pressure Rating	Size Range
VE PVC Compact True Union Ball Valve	232psi	1/2" to 2"
FE PVC Butterfly Valve	150psi	1-1/2" to 12"



Air & Inert Gas Piping Systems

Duraplus™ AirLine Piping System – 1/2" to 12"

ABS is a lightweight, electrically non-conductive material that utilizes a solvent cement weld method for installation. ABS features a smooth bore that is resistant to corrosion, pitting, or scale build up, ensuring efficient and clean air distribution throughout the life of the system with less interruptions for maintenance. The outstanding ductility and

impact resistance ensure that even in cold conditions the system will function properly. Duraplus Air-Line also provides the strength and flexibility needed for submerged water applications where movement, vibration and corrosion may be an issue.

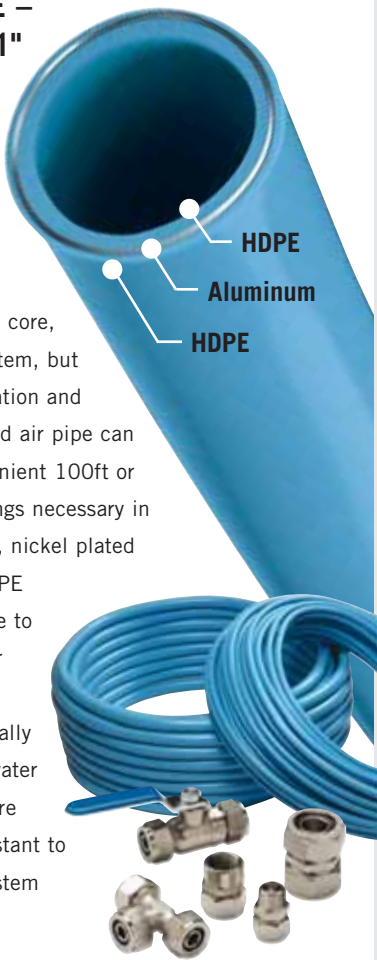


Product Description	Configuration/Measurement	Size Range
Duraplus Air-Line ABS Pipe	Metric	1/2" to 4"
Duraplus Air-Line ABS Fittings	Metric	1/2" to 4"
Duraplus ABS Pipe	IPS	6" to 12"
Duraplus ABS Fittings	IPS	6" to 12"

Duratec® AirLine HDPE-AL-HDPE – Pipe, Fittings & Valves 3/8" to 1"

Duratec Airline is an innovative compressed air and inert gas piping product that uniquely combines all of the benefits of plastic and metal in one pipe.

Constructed of an inner and outer layer of HDPE permanently bonded to an aluminum core, Duratec not only extends the life of the system, but significantly reduce leakages, labor, installation and operating costs. Duratec flexible compressed air pipe can be easily bent by hand and comes in convenient 100ft or 300ft coils, minimizing the amount of fittings necessary in a system. Duratec utilizes mechanical joint, nickel plated fittings that are easy to install. With an HDPE outer layer, Duratec has excellent resistance to chlorinated water when compared to copper pipe. The flexible yet rigid nature of this piping system makes it ideal for pneumatically automated water features and submerged water applications where vibration and temperature changes may occur. Its smooth bore is resistant to pitting, scaling, or corroding for optimal system performance and service life.



Product Description	Configuration/Measurement	Size Range
Duratec Airline Pipe	HDPE-AL-HDPE Composite	3/8" to 1"
Duratec Airline Fittings	Nickle Plated Brass	3/8" to 1"



Product Specifications & Dimensions

For product specifications on PVC, please refer to Volume I: Vinyl Process Piping Systems Technical Manual. For dimensions, see Volume II: Xirtec 140 PVC & Corzan CPVC Dimensional Data & Weights Technical Manual.

Volume V: Duraplus Air-Line System Technical Manual and Volume VII: Compressed Air & Inert Gas Piping System Technical Manual will provide the product specifications for our compressed air systems.

For more information or to be included on our mailing list for new product announcements, complete this card and fax it back to us at (905) 403-1124.

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- ☐ Contractor
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- ☐ Engineering Firm
- ☐ OEM
- ☐ Utility
- ☐ Architect/Design Firm
- ☐ Government
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- ☐ Other _____

SIC or industry sector:

I would also like to know about other IPEX products:

- ☐ Industrial process piping systems
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About the IPEX Group of Companies

As leading suppliers of thermoplastic piping systems, the IPEX Group of Companies provides our customers with some of the largest and most comprehensive product lines. All IPEX 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 established a reputation for product innovation, quality, end-user focus and performance.

Markets served by IPEX group products are:

- Electrical systems
- Telecommunications and utility piping systems
- PVC, CPVC, PP, ABS, PEX, FR-PVDF and PE pipe and fittings (1/4" to 48")
- Industrial process piping systems
- Municipal pressure and gravity piping systems
- Plumbing and mechanical piping systems
- PE Electrofusion systems for gas and water
- Industrial, plumbing and electrical cements
- Irrigation systems

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A policy of ongoing product improvement is maintained. This may result in modifications of features and/or specifications without notice.

