

Industrial Piping Systems



INDUSTRIAL SYSTEMS

YOUR INDUSTRIAL SPECIALIST

- Process Piping
- Double Containment & Leak Detection
- Acid Waste
- Compressed Air
- Specialty Systems



IPEX

We build tough products for tough environments.®

Your industrial specialist.



Imagine. Every plastic pipe, valve or fitting you need for any industrial project available from one reliable, accountable source. Only IPEX offers complete PVF (pipe, valve, fitting) systems for process piping, double containment, high-purity, acid waste and compressed air systems, designed, manufactured and backed by one company. You can be confident that your IPEX PVF system is engineered and produced to the strictest quality, dimensional and performance standards.

Process Piping Systems

Xirtec¹⁴⁰ **CORZAN[®]**

IPEX Vinyl Process Piping Systems

Only IPEX offers **Xirtec[®]140** and **Corzan[®]**, complete systems of pipe, fittings and valves to meet all your process system requirements.

Xirtec140 (PVC) and **Corzan (CPVC)** pipe, valves and fittings are high-performance systems designed to meet the temperature, pressure and size requirements of piping systems used in chemical processes and other industrial applications.

IPEX process piping systems feature outstanding resistance to photodegradation and creep stress, and immunity to oxidation, and are exceptionally suited

for use with a wide range of acids, alcohols, salts and halogens. As well as lowering material costs, **Xirtec140** and



Corzan pipe significantly reduces labor and transportation costs because it is light, and easily handled, stored, cut and joined. The perfect long service, low maintenance alternative to common and exotic metal systems. IPEX vinyl process systems are available in Schedule 40 and Schedule 80, IPS. Pipe and fittings are also available in cast iron sizes.





enpure™

High Purity Polypropylene System

For over 20 years, **Enpure™** has proven to be one of the most complete and dependable pure-water thermoplastic piping systems available. 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 of your pure process. And, unlike conventional systems, **Enpure** is designed as a socket fusion system. No hazardous chemicals are used for joining, making connections as “clean” as any other component in the system.



Duraplus®

ABS Industrial System

Duraplus® complete ABS pressure pipe, valves and fitting systems are ideal for abrasive slurries, separation reagents, caustic process, low temperature glycol systems and many other demanding applications including outdoor systems.



Duraplus features:

- High impact strength
- Outstanding ductility
- Wide chemical resistance
- Operating range from -40°F to +176°F
- Long-term UV resistance
- Easy and proven joining method
- Competitive installed cost

Double Containment & Leak Detection

Leaks are not an option

The IPEX family of double containment systems includes **Guardian™** PVC and CPVC double containment systems, **Clear-Guard™** PVC containment system, **Encase™** polypro double containment system, **CustomGuard™** FRP and metal systems and **Centra-Guard™** leak detection.

Guardian™

Vinyl Double Containment System

Certain environments demand **fail-safe** systems. The double containment professionals at IPEX understand the complexity of design and installation for demanding double containment applications. For the past 15 years **Guardian** systems have been the benchmark in double containment. Guardian's patented **Centra-Lok™** design requires up to



40 per cent fewer joints. **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.



Encase™

PP Double Containment System

Encase has set the standard for acid waste double containment systems. 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 off-the-shelf system that offers considerable reduction of installation time and the highest quality bubble-tight joints available.



CustomGuard

Black polypro; Red KYNAR; FRP; carbon steel; stainless; copper; clear PVC; ABS are all available options for custom-designed and built double containment systems including dissimilar materials systems.



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%. Fittings are available in clear or "cost saving" opaque containment fittings.



Centra-Guard™

IPEX's patented **Centra-Guard** leak detection system provides innovative point-of-collection leak detection, featuring both submerged (wet) and proximity (dry) leak sensors.



Acid Waste Systems

ENFIELD®

For more than 20 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®** and **Labline®** polypro acid waste systems are built to handle it.

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.

Since their introduction, **Enfield** electrofusion fittings and **Labline** mechanical joints have revolutionized the industry – and they continue to be regarded as state-of-the-art. **Enfield** offers the premier polypro fusion fittings



LABLINE®

available today, constructed with a heavy-gauge resistance wire that is integral to the socket. **Labline** and **Plenumline™** feature our no-heat **Elastolive** for quicker installation and higher performance.

IPEX's broad range of products and systems for acid waste includes **Enfield**, **Labline**, **Plenumline**, **Neutratanke®** neutralization tanks, **Neutrasystem2™** pH monitoring and **Floway™** drains.



PLENUMLINE™

NEUTRATANK®

FLOWAY™

PROCESS PIPING SYSTEMS



	XIRTEC®140	CORZAN®	ENPURE™	DURAPLUS® INDUSTRIAL ABS
PIPE (also available grooved)				
Schedule 40	1/2" – 24"	1/2" – 16"		
Schedule 80	1/4" – 24"	1/2" – 16"	1/2" – 4"	3/8" – 12"
SDR 41/51	1/2" – 48"			
PN10 (150 psi)				
FITTINGS				
Schedule 40	1/2" – 12" molded 12" – 24" fabricated*			
Schedule 80	1/2" – 12" molded 12" – 24" fabricated*	1/2" – 12" molded 12" – 24" fabricated*	1/2" – 4"	1/2" – 12"
PN10 (150 psi)				
VALVES				
Quarter Turn	1/2" – 12"	1/2" – 12"	1/2" – 2"	1/2" – 8"
Check	1/2" – 8"	1/2" – 4"	2"	3/8" – 3"
Multi-Turn	1/2" – 6"	1/4" – 4"	1/2" – 2"	1/2" – 3"
Strainers	1/2" – 4"			1/2" – 2"
Actuation	1/4" – 12"	1/4" – 12"	1/2" – 2"	1/2" – 8"



Also available: Duraplus® Air-Line, Duratec® Airline, ventilation duct pipe, well casing, specialty valves (PVDF and PP)
(*FRP overwrapped)

ACID WASTE SYSTEMS

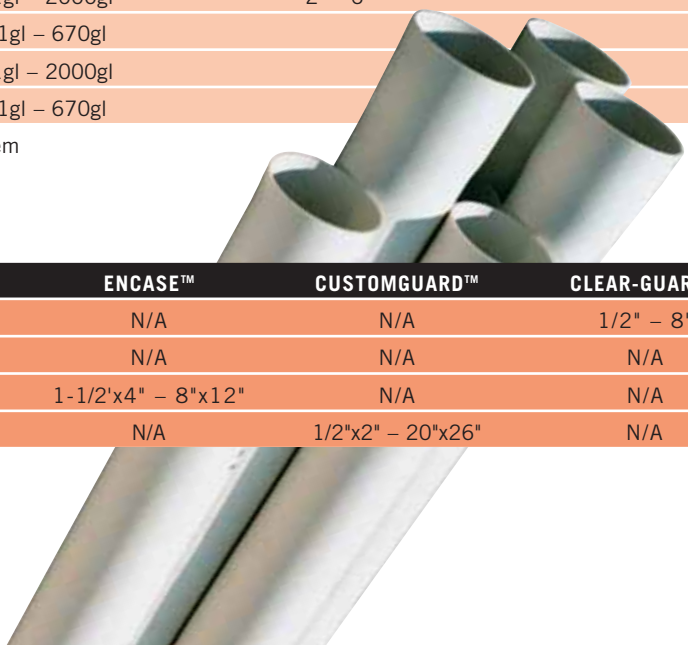
		ENFIELD®	LABLINE®	PLENUMLINE™
PIPE				
Schedule 40 Black PP		1-1/2" – 12"	1-1/2" – 12"	
Schedule 80 Black PP		1-1/2" – 12"	1-1/2" – 12"	
Schedule 40 Green FRPP		1-1/2" – 12"	1-1/2" – 12"	
Schedule 40 Dark Blue FR-PVDF				1-1/2" – 4"
FITTINGS				
Black PP		1-1/2" – 12"		
Green FRPP		1-1/2" – 12" molded	1-1/2" – 4"	
Dark Blue FR-PVDF				1-1/2" – 4"
NEUTRATANK®				
PP Cylindrical		1gl – 2000gl		
PP Rectangular		1gl – 670gl		
PE Cylindrical		1gl – 2000gl		
PE Rectangular		1gl – 670gl		
FLOWAY™				
			2" – 6"	

Also available is our Neutrasystem2 pH monitoring system

DOUBLE CONTAINMENT SYSTEMS

	GUARDIAN	ENCASE™	CUSTOMGUARD™	CLEAR-GUARD™
PVC	1/2"x2" – 12"x18"	N/A	N/A	1/2" – 8"
CPVC	1/2"x2" – 12"x18"	N/A	N/A	N/A
PP	N/A	1-1/2"x4" – 8"x12"	N/A	N/A
Dissimilar Materials	N/A	N/A	1/2"x2" – 20"x26"	N/A

Also available is Centra-Guard™ leak detection system



Compressed Air Systems



Duratec AIRLINE SYSTEM

Duratec® Airline is a compressed air and inert gas distribution system. Its unique composite

structure incorporates a rigid yet flexible aluminum core, bonded to layers of durable high density polyethylene (HDPE) plastic. HDPE on the inner and outer layers provides the best corrosion resistance against aggressive manufacturing environments while eliminating the inner scaling, pitting and corrosion associated with traditional metal pipes.

Duratec Airline fittings are supplied in tough nickel plated brass or stainless steel and utilize unique double o-ring seals to ensure long term joint integrity. Duratec is available in lightweight 100' and 300' coils, which drastically reduces the number of pipe joints and fittings required in the system. Sizes from 3/8" to 1".

Duraplus air-line

Duraplus® Air-Line is a high-impact, high ductility, ABS compressed air system. Its unique co-extruded nylon liner in the pipe improves resistance to

synthetic compressor fluids. And solvent cement joints means installation is easier than with polyethylene fused systems that require expensive and

cumbersome equipment. **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. Sizes 20mm to 110mm (metric) (1/2" - 4").

Specialty Products

Ventilation Duct System

Our highly chemically resistant PVC ventilation duct system features seamless pipe for greater flow-rate, light weight for easy handling and low installation costs. Sizes from 6" to 24".



Grooved PVC Pipe

Specially factory-grooved PVC pipe for mechanical grooved couplings allows quick assembly under adverse conditions. Size range Schedule 40 (2" to 8"); Schedule 80 (2" to 12"); SDR 26 (6" to 12"); NSDR (4" to 12"). Larger sizes are also available upon request.

Well Casing

Corrosion-resistant, maintenance-free protection for well-drop-pipe and submersible pumps in sizes from 2" to 16".

IPEX Solvent Cements

IPEX now offers a complete range of cements, primers and applicators. Choosing the correct cement is critical to ensuring the performance of a thermoplastic piping system. IPEX cements allow the installer to select the absolutely best product for their application. This coupled with IPEX's recommended solvent cement procedure will guarantee a perfect joint every time. We offer cements and primers for all our PVC, CPVC and ABS industrial systems.

IPEX cements are formulated to meet the highest standards. For a full system manufacturer warranty, use IPEX cements and IPEX pipe, valves and fittings.

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.

Name	
Title	Dept.
Company	
Address	
City	State/Province
ZIP/Postal Code	Phone
Fax	E-mail

Company classification

- Distributor
- Consulting Engineer
- Contractor
- OEM – Products manufactured:

- Inspector
- Government

SIC or industry sector:

I am primarily interested in the following thermoplastics (check all that apply):

- Pipe
- Valves
- Fittings
- Double containment systems
- Acid waste and drainage
- High purity systems
- Compressed air systems
- Other _____

I would like:

- Information on my closest IPEX distributor

Please forward information on:

- Xirtec & Corzan process piping systems
- Enpure high-purity polypropylene system
- Duraplus ABS industrial system
- SF polypropylene system
- Enfield electrofusion acid waste system
- Labline mechanical joint acid waste system
- Neutratanek neutralization tanks
- Neutrasystem2 pH monitoring

- Floway drains
- Manual and actuated thermoplastic valves
- Guardian PVC and CPVC double containment systems
- Encase polypro double containment system
- CustomGuard specialty double containment systems
- Centra-Guard leak detection system
- Duratec Airline compressed air and inert gas distribution system
- Duraplus Air-Line compressed air system
- IPEX ventilation system
- Grooved PVC pipe
- Well casing
- IPEX solvent cements

I would also like to know about other IPEX products:

- Plumbing and mechanical piping systems
- Electrical or telecommunications piping systems
- Municipal piping systems
- Irrigation piping systems



fax: (905) 403-1124



SALES AND CUSTOMER SERVICE

Canadian Customers call IPEX Inc.

Toll free: (866) 473-9462

www.ipexinc.com

U.S. Customers call IPEX USA LLC

Toll free: (800) 463-9572

www.ipexamerica.com

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 world's 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:

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

Products are manufactured by IPEX Inc. and distributed in the United States by IPEX USA LLC.

Centra-Guard™, Centra-Lok™, Clear-Guard™, CustomGuard®, Duraplus®, Duratec®, Encase™, Enfield®, Enpure™, Floway™, Guardian™, Labline®, Neutratan®®, Neutrasystem2™, Plenumline™ and Xirtec®140 are trademarks of IPEX Branding Inc.

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

