

# INDUSTRIAL EASY SPEC



PRODUCT	SIZE RANGE	STANDARDS *	APPLICATIONS
<b>PROCESS PIPING SYSTEMS</b>			
* Consult IPEX literature for individual product listings			
Xirtec™140 PVC Schedule 40 & 80	1/4" - 24"	ASME, SF, NSF, ABS	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.
Corzan® CPVC Schedule 40 & 80	1/2" - 16"	ASME, SF, NSF, UIC, ABS	
Clear-Guard™ Clear PVC Schedule 40	1/2" - 8"	ASME, ANSI, NSF	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.
Corzan® HP CPVC Schedule 80	1/2" - 8"	ASME, NSF, U.S. COAST GUARD	Chemical processing, semiconductor and electronics, water treatment, industrial manufacturing, mining, and power generation. Potable water, deck wash system, desalinization and chemical waste, black water, and brine ballast treatment.
Enpure™ High Purity PP Schedule 40 & 80	1/2" - 4"	FDA, NSF	Food processing, hospitals, laboratories, universities, biotechnology, research facilities, chemical manufacturing, photographic chemical processing, effluent treatment, water treatments, and pharmaceutical manufacturing.
Duraplus™ ABS Industrial	3/8" - 12"	ASME, ABS	Chilled water/HVAC, Off shore applications, Mining and Secondary loop refrigeration.
<b>DOUBLE CONTAINMENT SYSTEMS</b>			
Guardian™ Vinyl PVC & CPVC	PVC: Carrier 1/2" - 12" Containment 2"-18" CPVC: Carrier 1/2" - 12" Containment 2"-18"	ASME	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 Corzan CPVC are the chosen materials for the Guardian systems.
Drain-Guard™ PVC DWV	Carrier: 1-1/2" - 12" Containment 4" - 16"	ASME	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: 1/2" - 4" Containment 2" - 8"	ASME	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 Corzan CPVC primary piping system supported within a Clear-Guard Schedule 40 clear PVC secondary containment housing.
CustomGuard® (Dissimilar Materials)	FRP/Metals/Dissimilar: Carrier 1/2" - 20" 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" Containment 4" - 12"	ASME	Corrosive chemical waste for university laboratories, schools, hospitals and industrial plants, and pharmaceuticals facilities.
Centra-Guard™ Low Point Leak Detection Monitoring 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 Leak Detection Monitoring System	NOT available in Canada		Ideal for buried double containment piping applications that require exact leak location.
<b>CORROSIVE ACID WASTE PIPING SYSTEMS</b>			
Enfield™ Electrofusion Joint PP	1-1/2" - 12"	ASME, SF, NSF	Corrosive chemical waste for university laboratories, schools, hospitals, industrial plants, and pharmaceuticals facilities.
Labline® Mechanical Joint PP	1-1/2" - 4"	ASME, SF, NSF	
Plenumline™ Mechanical Joint PVDF	1-1/2" - 4"	ASME, SF, NSF	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.
Neutrasytem2™ pH Monitoring System	110/120 VAC input 24V DC operating voltage	UL, NEMA	Monitoring pH discharge levels for Neutratanke.
<b>COMPRESSED AIR SYSTEMS</b>			
Duraplus™ Airline	1/2" - 4"	ASME	Plant air, ventilation, and valve actuation.
Duratec® Airline	3/8" - 1" NOT available in Canada	ASME, ANSI, SF, FDA, OSHA	Plant air, inert gas distribution, manufacturing hand tool operatin, 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)	6" - 24"	ASME, UIC, FM	Industrial venting systems.
PVC Well Casing	2" - 16"	ASME, NSF	Well drop-pipe, and submersible pumps.
Roll Grooved PVC Pipe Sch. 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
<b>BALL VALVES</b> * Consult IPEX literature for specific pressure ratings			
VKD Series †	3/8" - 4"	232 psi @ 73°F (1600 kPa @ 23°C)	<p>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.</p> <p>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.</p>
EasyFit VXE Series †	1/2" - 6"	232 psi @ 73°F (1600 kPa @ 23°C)	
EasyFit VEE Series	1/2" - 4"	232 psi @ 73°F (1600 kPa @ 23°C)	
MP Series	1/2" - 2"	150 psi @ 73°F (1034 kPa @ 23°C)	
TKD Series 3-Way †	1/2" - 2"	232 psi @ 73°F (1600 kPa @ 23°C)	
VKR Series Regulating †	1/2" - 2"	232 psi @ 73°F (1600 kPa @ 23°C)	
Vented VKD Series †	3/8" - 4"	232 psi @ 73°F (1600 kPa @ 23°C)	
Vented Easyfit VXE Series †	3/8" - 6"	232 psi @ 73°F (1600 kPa @ 23°C)	
<b>BUTTERFLY VALVES</b> * Consult IPEX literature for specific pressure ratings			
FK Series †	1-1/2" - 12"	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"	150 psi @ 73°F (1034 kPa @ 23°C)	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"	150 psi @ 73°F (1034 kPa @ 23°C)	
<b>DIAPHRAGM VALVES</b> * Consult IPEX literature for specific pressure ratings			
VM Series	1/2" - 4"	150 psi @ 73°F (1034 kPa @ 23°C)	<p>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.</p> <p>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.</p>
VM Series Pneumatic	1/2" - 4"	150 psi @ 73°F (1034 kPa @ 23°C)	
DV Series	1/2" - 6"	150 psi @ 73°F (1034 kPa @ 23°C)	
CM Series Compact	1/2" - 3/4"	90 psi @ 73°F (621 kPa @ 23°C)	
CM Series Compact Pneumatic	1/2" - 3/4"	90 psi @ 73°F (621 kPa @ 23°C)	
DM Series	1/2" - 2"	115 psi @ 73°F (793 kPa @ 23°C) depending upon the available control pressure	
<b>CHECK &amp; VENT VALVES</b> * Consult IPEX literature for specific pressure ratings			
SXE Series Ball	1/2" - 4"	232 psi @ 73°F (1600 kPa @ 23°C)	<p>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.</p> <p>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.</p>
SSE Series Spring Assisted	1/2" - 4"	232 psi @ 73°F (1600 kPa @ 23°C)	
VR Series Piston	1/2" - 4"	232 psi (1600 kPa) depending on size	
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)	
<b>SPECIALTY VALVES</b> * 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)	Solenoids are ideal for high-cycle applications where remote operation and precise control are important.
VV Angle Seat	1/2" - 2"		Lab cock valves are an economical solution for small scale on/off requirements.
LV Series Lab	1/4"	150 psi @ 73°F (1034 kPa @ 23°C)	
<b>VALVE ACTUATION</b> * 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