

XIRTEC PVC & CORZAN CPVC

PVC Sch 40 - 1/2" - 24" (12mm - 600mm)
PVC Sch 80 - 1/4" - 24" (6mm - 600mm)
CPVC Sch 40 & 80 - 1/4" - 16" (6mm - 400mm)



THE IPEX SYSTEM ADVANTAGE

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

IPEX developed the Xirtec®140 (PVC) and 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.

Xirtec140 pipe and fittings and Corzan pipe are available in Schedule 40 and 80, IPS. Corzan fittings are available in Schedule 80. All pipe and fittings are also available in cast iron sizes for underground applications.

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

XIRTEC140	CORZAN
 ASTM D1785	 ASTM F441
 CSA B137.3	 NSF
 NSF 14	 ULC-102.2

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 & Corzan pipe can significantly reduce labour and transportation costs on a typical installation. The reason? They are lightweight, easily handled, stored, cut and joined.
- ② Extended Life**
Xirtec PVC and Corzan 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 and Corzan 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, alkalies, salt solutions, halogens and more.
- ⑤ Improved Flow**
Xirtec and Corzan have 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 140 polyvinyl chloride (PVC) and Corzan chlorinated polyvinyl chloride (CPVC) 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 has a recommended maximum service temperature of 140°F (60°C) in pressure, with a higher limit of 180°F (82°C) for intermittent gravity flow.
- 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 needs may be reduced.
- ⑨ Environmentally Responsible**
With energy conservation a prime concern, you can rely on the fact that IPEX's manufacturing process for Xirtec and Corzan piping materials requires 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 (388°C), compared to 400°F (204°C) 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 (482°C), with a low flame spread as well.


Dimension		PVC Sch 80	CPVC Sch 80
inches	mm	Product Code	Product Code


Dimension		PVC Sch 80	CPVC Sch 80
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Flange	Fpt (solid style)			
	1/2	12	036240	059240
	3/4	20	036241	059241
	1	25	036242	059242
	1-1/4	32	036243	059243
	1-1/2	40	036244	059244
	2	50	036245	059245
	2-1/2	65	036246	059246
	3	75	036247	059247
	4	100	036248	059248
	6	150	036249	059249


Flange	Blind			
	1/2	12	036250	059250
	3/4	20	036251	059251
	1	25	036252	059252
	1-1/4	32	036253	059253
	1-1/2	40	036254	059254
	2	50	036255	059255
	2-1/2	65	036256	059256
	3	75	036257	059257
	4	100	036258	059258
	6	150	036259	059259
	8	200	036260	059260
	10	250	036261	† -
	12	300	036262	† -
	14	350	036263	† ♦ -
	16	400	036264	† ♦ -
	18	450	036265	† ♦ -
	20	500	-	† ♦ -
	24	600	036266	† ♦ -

♦ Domed flange


No-Leak Flange	Spig x Spig			
	1/2	12	036331	† -
	3/4	20	036332	† -
	1	25	036923	† -
	1-1/4	32	036333	† -
	1-1/2	40	036334	† -
	2	50	036335	† -
	2-1/2	65	036336	† -
	3	75	036337	† -
	4	100	036338	† -
	6	150	036339	† -
	8	200	036340	† -
	10	250	036341	† -
	12	300	036342	† -
	14	350	036915	† -
	16	400	036343	† -
	18	450	036871	† -
	20	500	-	† -
	24	600	036924	† -

Heavy Duty Vanstone Flange	Soc w Fibre-Loc Ring			
	1/2	12	-	059262
	3/4	20	-	059263
	1	25	-	059264
	1-1/4	32	-	059265
	1-1/2	40	036323	059266
	2	50	036324	059267
	2-1/2	65	-	059268
	3	75	036326	059269
	4	100	036416	059270
	6	150	036417	059271
	8	200	036418	059272
	10	250	036419	† 059273
	12	300	036429	† 059569
	14	350	036358	† ▼ -
	16	400	036359	† ▼ -

▼ Molded hub, c/w coated metal rings

Vanstone Flange	Soc w PVC Ring			
	1/2	12	036344	-
	3/4	20	036345	-
	1	25	036346	-
	1-1/4	32	036347	-
	1-1/2	40	036348	-
	2	50	036349	-
	2-1/2	65	036350	-
	3	75	036351	-
	4	100	036352	-
	5	125	036353	-
	6	150	036354	-
	8	200	036355	-
	10	250	036356	▼ -
	12	300	036357	▼ -

▼ Molded hub, c/w coated metal rings

Vanstone Flange	Soc w Steel Ring			
	18	450	036947	† -
	20	500	036913	† -
	24	600	036914	† -

Note: these flanges are rated at 50 psi (345 kPa) maximum operating