

XIRTEC PVC & CPVC

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

Xirtec® PVC Xirtec® 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 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

 NSF^{PW}

XIRTEC CPVC

 ASTM F441

 NSF^{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.



i 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.

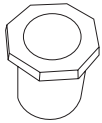
CPVC offers an even greater fire safety profile than PVC. CPVC's ignition resistance is demonstrated by its flash point of 900°F, with a low flame spread as well.

XIRTEC PVC SCH. 40 WHITE

Dimension inches	Sch 40 WHITE Product Code	Universal Number
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Dimension inches	Sch 40 WHITE Product Code	Universal Number
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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 6	235690	437626
10 x 8	035691	437628
12 x 8	235693	437668
12 x 10	235694	437670

Fabricated Flush Reducer Bushing Sp x Soc



8 x 3	125715	437580F
10 x 4	035689	437624F
10 x 6	125717	437626F
10 x 8	125718	437628F
12 x 4	035041	437664F
12 x 6	125000	437666F
12 x 8	125719	437668F
12 x 10	125720	437670F
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