



SCHEDULE 40 AND 80 PVC/CPVC PIPE

IPEX

Xirtec140 PVC and Corzan CPVC Pipe

IPEX developed the Xirtec140 (PVC) and Corzan (CPVC) systems to meet industry demands for a complete 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.

Xirtec140 and Corzan pipe and fittings are available in Schedule 40 and Schedule 80, IPS. Pipe and fittings are also available in cast iron sizes.

Xirtec140 and Corzan pipe are part of complete PVF systems. Dimensional matching, compatibility of compounds, chemical, physical and thermal properties and system accountability make IPEX pipe a key component of the high-performance Xirtec140 and Corzan systems.

PVC

- Schedule 40 from 1/2" to 24" sizes
- Schedule 80 from 1/4" to 24" sizes
- SDR (standard dimensional ratio) from 1/2" to 48"

CPVC

- Schedule 40 and 80 from 1/2" to 16"

Xirtec140 PVC (Polyvinyl Chloride) Systems

PVC is the most frequently specified of all thermoplastic piping materials and has been used successfully for over 60 years. PVC is characterized by distinctive physical properties, and is resistant to corrosion and chemical attack by acids, alkalis, salt solutions and many other chemicals. Of the various types and grades of PVC used in plastic piping, Xirtec140 uses Type 1, Grade 1 PVC (Cell Classification 12454) conforming to ASTM D 1784. The maximum service temperature for Xirtec140 is 140°F in pressure applications and 180°F in intermittent drainage applications. With a design stress of 2000 psi @ 73°F, PVC used in Xirtec has one of the highest long-term strengths of all major thermoplastic material used for piping. Xirtec piping is joined by solvent cementing, threading, flanging, grooving, gasketed joints, or mechanical joints.

SPECIFICATIONS CONTINUED ON NEXT PAGE

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Corzan CPVC (Chlorinated PVC) Systems

CPVC (Cell Classification 23447-B) conforming to ASTM D 1784 has physical properties at 73°F similar to those of PVC; its chemical resistance is similar to or generally better than that of PVC. With a design stress of 2000 psi and maximum service temperature of 210°F, Corzan has proved to be an excellent piping system for hot corrosive liquids, hot and cold water distribution and similar applications above the temperature range of Xirtec140. Corzan piping is joined by solvent cementing, threading, flanging or grooved joints.

- Lower installation costs and easy handling
- Fundamentally ageless and impervious to normal weather conditions; will not rust, pit, scale or corrode
- Immune to damage from naturally corrosive soil conditions and electrochemical and galvanic corrosion, ensuring improved flow, lower maintenance costs and longer performance life
- Exceptional chemical resistance
- Substantially lower Roughness Factor than metal and other materials
- Potable water approved; both systems meet or exceed applicable NSF and CSA standards
- Meet a broad range of service temperatures
- Low thermal conductivity factor

SPECIFICATIONS CONTINUED ON NEXT PAGE

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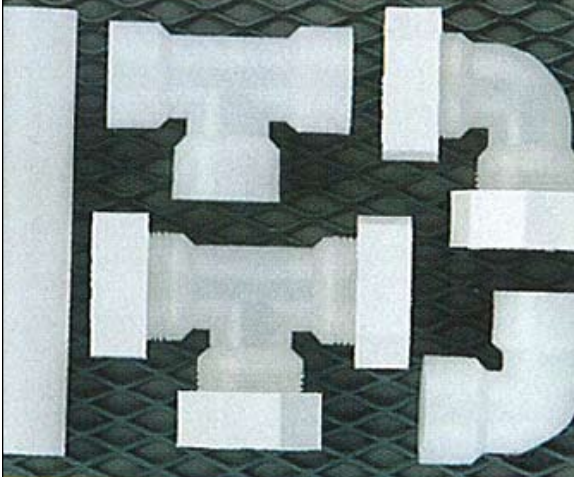
Xirtec140 PVC and Corzan CPVC Pipe

SPECIFICATIONS

DIAMETER	IPEX SCHEDULE 40 PVC/CPVC				IPEX SCHEDULE 80 PVC/CPVC		
	OUTSIDE DIAMETER	WALL THICKNESS	INSIDE DIAMETER	*MAXIMUM PRESSURE 73°F	WALL THICKNESS	INSIDE DIAMETER	*MAXIMUM PRESSURE 73°F
	(inches)	(inches)	(inches)	(psi)	(inches)	(inches)	(psi)
1/4	0.540	N/A	N/A	N/A	0.119	0.302	1.13
3/8	0.675	N/A	N/A	N/A	0.126	0.423	920
1/2	0.840	0.109	0.602	600	0.147	0.526	850
3/4	1.050	0.113	0.804	480	0.154	0.722	690
1	1.315	0.133	1.029	450	0.179	0.936	630
1-1/4	1.660	0.141	1.360	370	0.191	1.255	520
1-1/2	1.900	0.145	1.590	330	0.200	1.476	470
2	2.375	0.154	2.047	280	0.218	1.913	400
2-1/2	2.875	0.203	2.445	300	0.276	2.290	420
3	3.500	0.216	3.042	260	0.300	2.864	370
4	4.500	0.237	3.998	220	0.337	3.786	320
6	6.625	0.280	6.031	180	0.432	5.709	280
8	8.625	0.322	7.941	160	0.500	7.565	250
10	10.750	0.365	9.976	140	0.593	9.493	230
12	12.750	0.406	11.888	130	0.687	11.294	230
14	14.000	0.438	13.072	130	0.750	12.412	220
16	16.000	0.500	14.936	130	0.843	14.224	220
18	18.000	0.562	16.809	130	0.937	16.014	220
20	20.000	0.593	18.743	120	1.031	17.814	220
24	24.000	0.687	22.544	120	1.218	21.418	210

*Pipe pressure ratings must be de-valued for higher temperatures.

- All Xirtec140 PVC Schedule 40 and 80 pipe shall meet ASTM D1785 and shall be third party certified to CSA B137.3 or NSF 14.
- All Corzan CPVC Schedule 40 and 80 pipe shall meet ASTM F 441.



HIGH PURITY PRODUCTS

Pegas

PVDF and Polypropylene Pipe and Fittings - 1/2" to 2" sizes

Pegas High Purity products are available in 1/2", 3/4", 1", 1-1/2" and 2" sizes.

Standardline - In many high purity applications, the Pegas economical Standardline may be the pipe of choice. It is molded from a tough copolymer and is an excellent choice for the transportation of de-ionized water and many chemicals. Standardline is available only with the socket fusion joining system.

Whiteline - If you need a step up in high purity, try the Pegas Whiteline high purity products molded from pure, unpigmented, virgin type I homopolymer polypropylene, using no plasticizers or pigments. It is available in socket fusion or Riontite joining systems.

PVDF - The Pegas KYNAR brand of polyvinylidene fluoride is the only material that gets the job done when you absolutely can't tolerate contamination. The PVDF piping has ultra-smooth walls, contains no additives and is extremely resistant to chemicals.



ACID WASTE PRODUCTS

Pegas

PVDF Acid Waste Systems

Molded from KYNAR brand of polyvinylidene fluoride (PVDF), the Pegas Superblue system is the one to choose for the toughest applications. It offers unequalled chemical resistance to many weak bases and salts, aliphatic, aromatic and chlorinated solvents. In addition, it is highly resistant to strong oxidants, bases and halogens. It comes in sizes through 6" to readily fit most acid waste applications.

- PVDF maintains its strength and chemical resistance from -40°F to +280°F
- High abrasion resistance
- High impact strength
- Ultraviolet resistance
- Meets ASTM F1673
- Certified to meet ASTM E84 and UL 723 standards for flame spread and smoke generation
- When approved, it can be used in plenums and other areas where typically, fire codes have prohibited use of plastic pipe due to fear of fire



ACID WASTE PRODUCTS

Pegas

Blueline and Brownline Acid Waste Systems

Blueline drainage systems are molded from tough, fire-retardant polypropylene. Polypropylene provides excellent resistance to most common organic and mineral acids, salts, strong and weak alkalis and most organic chemicals.

- Meets ASTM F141
- Available with mechanical, socket fusion and electrofusion joining methods in sizes through 12"

Brownline drainage pipe offer all the advantages of Blueline pipe and fittings in installations where non fire-retardant materials are acceptable. Brownline pipe meets specifications of ASTM F1412.



HIGH PURITY PRODUCTS

Pegas

Laboratory Faucets

Pegas has chemical, cosmetic, pharmaceutical, educational and medical faucets. They are molded from KYNAR brand of polyvinylidene fluoride or polypropylene and provide you with an excellent choice and flexibility in installation. Models are available with integral vacuum breakers, in left or right hand configurations for deck or wall mounting. Re-circulating models are also available.