

# XIRTEC® CPVC POTABLE WATER PIPING SYSTEM



## Xirtec® CPVC



HOT AND COLD WATER

- Potable Water Piping System for commercial buildings
- Available in 1/2" to 6" Iron Pipe Size (IPS) diameters



We build tough products for tough environments®

## The Complete System

Specifiers, builders and contractors in the construction industry across North America have made IPEX thermoplastic plumbing systems an alternative choice for their ability to outperform and outlast traditional metal systems.

Like all IPEX integrated solutions, Xirtec® CPVC pipe, valves and fittings are designed to function as a system. Our products come with technical support and onsite trouble-shooting - all from one reliable supplier.

**Please reference [ipexna.com](http://ipexna.com) for complete details on information provided in this document including safety precautions, installation and warranty.**



# An affordable Improvement

## An Alternative to Metal

Compare Xirtec® CPVC to traditional metal systems, and it proves itself a strong, highly-engineered and affordable option over copper. Manufactured tough and robust, Xirtec CPVC performs as well as –and in many cases, better than –metal, offering a rugged system that exceeds all required standards. At the same time, Xirtec CPVC can offer an economical advantage over copper, yielding significant project savings.

Xirtec CPVC is a thermoplastic piping system that can be used for the distribution of potable water. Pipe, fittings and valves are manufactured in sizes 1/2" through 6" diameter using Corzan® CPVC compound.

### Better Long-Term Performance

Xirtec CPVC's rugged thicker walls, chlorine and corrosion resistance ensures a longer, better and maintenance-free performance over the long-term, even in demanding recirculation applications.

Thanks to its superior durability, these cost savings will pay off even more in years to come. Xirtec CPVC's corrosion resistance ensures a longer, maintenance-free life and better performance over the long-term.



## Advantages

While contractors and engineers have traditionally had few viable alternatives to increasingly expensive metal for their potable water distribution systems, IPEX offers a solution that ensures time and cost-savings without sacrificing strength or performance. The Xirtec CPVC system is engineered and manufactured to IPEX's strict quality, performance and dimensional standards.

### A High-Performance System

Xirtec CPVC piping systems are made with Corzan CPVC compounds. These quality CPVC compounds are renowned for chemical resistance and impact resistance leading to higher durability and peace of mind. They feature outstanding resistance to photodegradation, creep stress and immunity to oxidation. Corzan CPVC compounds provide extended service and low maintenance versus common metals traditionally used in commercial plumbing systems.

### Project Savings

Xirtec CPVC is a system that saves valuable time and money on the jobsite. Its solvent cement system makes Xirtec CPVC fast to assemble. No specific installation equipment is needed and no flames or torches are required during installation, reducing jobsite safety risks. In addition, Xirtec CPVC exhibits excellent insulating properties that can reduce the need for insulation, lowering overall job costs.



# Features

**Complete line** – a dimensionally matched system that ensures an ideal fit between pipe, fittings and valves all offered from a single source.

**Fully certified** – Xirtec CPVC pipe and fittings are certified to applicable ASTM standards. All components are listed to NSF 61 for potable water applications. For further information, refer to the Xirtec CPVC Potable Water Technical Manual.

**Size range** – offered in IPS nominal pipe sizes 1/2" through 6".

**Lightweight** – when compared to traditional materials, Xirtec CPVC is relatively lightweight offering efficiency in transport, handling and installation.

**Flow capacity** – Xirtec CPVC scaling resistance results in long term increased flow capacity over copper, and its larger ID provides significantly more flow than other plastic options.

**Corrosion resistance** – Xirtec CPVC material is resistant to metallic corrosion.

**Burning characteristics** – Xirtec CPVC pipe and fittings are listed and labelled as having a Flame Spread and Smoke-Developed of not more than 25 and 50, respectively, when tested in general accordance with ASTM E84 or UL 723. Always check with local authorities for approval.

**Material** – Xirtec CPVC systems have added impact strength resistance and heat deflection temperature (HDT) from being manufactured with Corzan CPVC compound.

**BIM** – full suite of Xirtec CPVC Building Information Modeling (BIM) design models are available in Revit and many other popular formats at ipexna.com.

**Training and Support** – local Application Engineers and Sales representation provide support where and when you need it. On-site training is also available, prior to installation, to ensure systems are installed without issues.

# Applications

Xirtec CPVC may be used for hot and cold potable water distribution systems in the United States and where approved by local authority having jurisdiction (AHJ).

Common types of buildings where Xirtec CPVC may be used include:

- Apartments / condos / multi-family
- Hotels
- Long-term care facilities
- Retail stores
- Office buildings
- Schools
- Dormitories
- Health care facilities
- Restaurants
- Indoor sports facilities

# Xirtec® CPVC Potable Water

Easily identifiable as hot and cold water piping in the printline

Dimensionally matched fittings that ensure an ideal fit

MAX OPERATING TEMP 160°F FOR POTABLE WATER

Lower thermal conductivity of plastic can reduce the need for insulation

Tough compound for corrosion resistance, physical durability and longer life





# Quality and Performance

## Comparing the Alternatives

When compared to other piping systems, Xirtec CPVC is an ideal choice. Xirtec CPVC is a cost-effective, time-saving alternative to traditional metal systems – and there are many benefits of using it in potable water applications.

Features & Benefits	Xirtec CPVC	Stainless Steel	Copper	PEX	PPR
Proven Resistance to Biofilm	✓	✗	✗	✗	✗
Withstands Chlorinated Water Above 140°	✓	✗	✗	✗	✗
Less Costly Installation	✓	✗	✗	✓	✓
Reduced installation time	✓	✗	✗	✓	✗
Available up to 6" diameter	✓	✓	✓	✗	✓
Flow Capacity Similar to Copper	✓	✓	✓	✗	✓

## SALES AND CUSTOMER SERVICE

**IPEX USA LLC**

**Toll Free: (800) 463-9572**

[ipexna.com](http://ipexna.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 earned a reputation for product innovation, quality, end-user focus and performance.

Markets served by IPEX group products are:

- Electrical systems
- Telecommunications and utility piping systems
- Industrial process piping systems
- Municipal pressure and gravity piping systems
- Plumbing and mechanical piping systems
- Electrofusion systems for gas and water
- Industrial, plumbing & mechanical, and electrical cements
- Irrigation systems
- PVC, CPVC, PP, PVDF, PE, and ABS pipe and fittings

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Xirtec® CPVC piping system is made with Corzan® CPVC compound.

Corzan® is a registered trademark of the Lubrizol Corporation.



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