



ZURN® PEX PLUMBING SYSTEMS

Plumbing Innovations with a Purpose

Zurn PEX ... Your Plumbing Solution

Safe, Clean, and Healthy

There has been a lot of focus placed on the quality of the water we drink but very little on the antiquated materials used in the past to supply it throughout our homes. When fluid sits dormant in plumbing lines, metals and other substances naturally migrate into the water which can create unhealthy conditions. Plastics have long been used in the medical industry to ensure complete sanitation, and they provide the plumbing solution for the 21st century. The National Sanitation Foundation (NSF) certifies that Zurn PEX tubing is free of harmful toxins, lead, and other substances so you can enjoy the highest purity in your drinking water.

Zurn PEX Tubing Is:

- More Sanitary – does not require acid flux or chemical adhesives
- Encrustation and Corrosion Resistant – because of Zurn PEX's smooth interior walls, minerals do not build up as with copper tubing
- Resistant to the harmful effects of aggressive chemicals such as chlorine. Zurn PEX tubing passes the difficult NSF P-171 (NSF-CL-TD) protocol for chlorine resistance.

Proven Reliability

Zurn has more than thirty years of experience in the flexible piping industry. With billions of feet of tubing and more than 170 million Zurn PEX fittings in operation in this country, we are the time tested and proven leader.

Long-Lasting

The life span of Zurn PEX tubing calculated from long term testing is in excess of 100 years.

Flexibility in Installations

Zurn PEX Plumbing Systems can be installed in either a conventional branch and tee system or manifold system using QuickPort® manifolds, where each fixture in the home receives a dedicated water source. This allows your plumbing contractor the flexibility to design a system that is perfect for your new home.

Energy Efficient

Every time you turn on a hot water line in your home you have to wait for the hot water to be delivered from the water heater. When you turn the line off, the heat in those lines rapidly cools down in a copper and CPVC plumbing system requiring you to redeliver hot water from the water heater. This is known as standby loss. Standby loss of heat is a major loss of efficiency in a plumbing system. Zurn PEX tubing has a higher R-value than copper and CPVC, and is more resistant to heat loss which means that the hot water lines stay hotter longer than copper and CPVC systems.

Quiet

Zurn PEX tubing does not amplify sounds like copper systems. And because it is flexible it will expand to absorb the annoying effects of water hammer prevalent in rigid piping systems. This results in a system that is quiet during operation.





Freeze Damage Resistant

In the past, freezing conditions marked the demise of rigid piping systems like copper and CPVC. When a copper or CPVC system freezes, there are typically multiple breaks in the system resulting in thousands of dollars of damage to your home or building. Zurn PEX tubing can expand allowing it to resist the damaging effects of freezing. Once it is thawed out, your Zurn PEX plumbing system will be just like new.

25-Year Warranty

Zurn, a leader in the plumbing industry for over 100 years, backs the Zurn PEX plumbing system with a 25-year warranty. Unlike other manufacturers, Zurn guarantees the Zurn PEX tubing AND the Oick/Sert® 1 fitting system, and even covers any incidental damages that may be caused to the structure in the event of a manufacturing defect. Please ask your builder or plumber to see our Zurn PEX Plumbing System warranty for more details.

Listings and Approvals

- Tested and listed to NSF 61 for water purity.
- Tested and listed in accordance with NSF 14, ASTM F876, F877 and F1807.
- Listed with IAPMO, CSA and NSF.
- Permitted for use by the following model codes: IPC, IRC, NSPC and UPC.

Zurn PEX Plumbing Systems

Over the past four decades, the use of plastics has dramatically changed the way Americans live. Therefore, it's only logical that we look to flexible plastic tubing to deliver our hot and cold water in today's new homes and buildings. In fact, flexible PEX plumbing systems are the fastest growing product available today as more and more homeowners realize the problems with copper and CPVC and the advantages of Zurn. Zurn PEX Plumbing Systems, as in the past, are at the forefront of this evolutionary process.

Zurn pioneered the first flexible residential plumbing system in the early 1970s. The heart of our system lies with our Zurn PEX tubing and Qick/Sert® 1 fitting system.

PEX is an innovative product that was developed in the 1960s to address the problems associated with rigid plumbing systems that use materials like copper, steel, and CPVC.

PEX ... Cross-Linked Polyethylene

PEX stands for cross-linked polyethylene. It is essentially polyethylene, a material used in many everyday products, that undergoes a reaction during the manufacturing process which links the molecules together in a three dimensional pattern making it incredibly strong, flexible and resistant to temperature and pressure. This change in the materials properties makes it ideally suited for fluid distribution especially in plumbing and heating applications. The American Society for Testing and Measurements (ASTM) has developed stringent performance standards (F876) to ensure PEX's suitability for water distribution. Zurn's patented Silane cross-linking process far surpasses the quality requirements set forth by ASTM (160 PSI @ 73.4°F, 100 PSI @ 180°F and 80 PSI @ 200°F).

Zurn utilizes the latest technology in plastics engineering to ensure our customers receive safe, reliable, quiet, and energy efficient operation from their plumbing system. Additionally, all Zurn PEX tubing is 'MADE IN THE USA' in state-of-the-art manufacturing facilities.



Zurn PEX Strength

Zurn PEX tubing has been tested by independent laboratories which confirmed the following:

- Tensile yield strength –
2922 PSI @ 73°F and 1806 PSI @ 180°F
- Quick burst testing analysis –
1000 PSI @ 73°F and 375 PSI @ 180°F
- Hydrostatic testing results well in excess
of the ASTM standard.



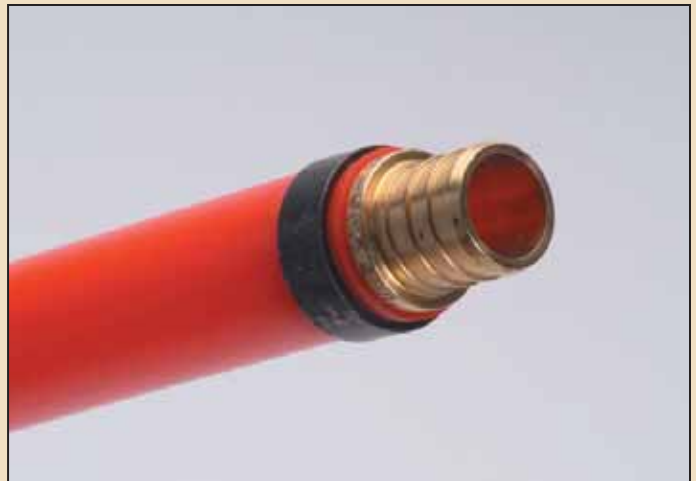
Clean · Quiet · Safe · Efficient



Fitting Connections are the Key

Zurn developed the Qick/Sert® 1 PEX joining system over thirty years ago. Since then it has become the standard for the professional plumber in the PEX plumbing industry. With more than 170 million Zurn Qick/Sert® 1 PEX fittings in service, you can rest assured that it is the most time tested and reliable fitting system available. The fittings are actually stronger than the pipe itself and once crimped they can not be pulled apart or blown out. The tubing will fail before the fittings, which requires many times more pressure than your plumbing system will ever encounter. Its efficient design and ease of installation ensures a perfect connection every time, giving you a plumbing system that will be worry free for a lifetime.





ZURN PEX Plumbing Systems ...

*Tomorrow's plumbing
solutions today!*



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