

SharkBite® EvoPEX™

Frequently Asked Questions (FAQs)

Q. Why are SharkBite® EvoPEX™ push-to-connect fittings recommended to be used only with SharkBite PEX Pipe?

A. SharkBite EvoPEX fittings have been designed with SharkBite PEX Pipe in mind. We control the OD and wall thickness of our PEX Pipe to more rigorous tolerances than the ASTM standards to optimize O-Ring sealing and provide long fitting life. Use of other manufacturer's PEX pipe with SharkBite EvoPEX fittings may result in increased insertion force. SharkBite Universal brass fittings have been designed as transition fittings to connect to copper, PEX, CPVC, and PE-RT with enough O-Ring compression to cover the OD of all approved pipe types and their OD variation allowed within ASTM standards.

Q. Can SharkBite EvoPEX fittings be installed on copper or CPVC pipe?

A. No, SharkBite EvoPEX fittings cannot be installed on copper or CPVC pipe due to the inner pipe seal.

Q. Can a SharkBite fitting be rotated on the pipe?

A. Yes, SharkBite EvoPEX fittings and SharkBite Universal brass fittings can be rotated after assembly and will not affect the integrity of the joint.

Q. What is the effect of water hammer on the SharkBite fittings since they can rotate?

A. SharkBite EvoPEX fittings exceed the ASSE 1061 requirements to withstand pressure pulsation or water hammer. The rotation feature of the fitting does not impact the performance or make noise. However severe water hammer/ pressure pulsation within the plumbing system is an indication that there are other issues within the system and should be investigated and resolved as a matter of cause.

Q. Can I use SharkBite fittings and SharkBite PEX Pipe for anything other than potable water (e.g., air, gas, oil, etc.) applications?

A. No, SharkBite fittings and PEX Pipe are only certified for potable water installations, Glycol mix up to 100% and non-potable applications such as hydronic and potable heating.

Q. How well do SharkBite joints hold up in freezing temperatures?

A. SharkBite PEX water systems are less susceptible to burst in freezing conditions due to the pipe's ability to expand. When water freezes, it expands and creates pressure that exceeds plumbing system pressure capabilities, i.e. pipes and fittings may burst.

Q. Does the outside temperature affect installation or testing of SharkBite EvoPEX Systems?

A: The outside temperature does not affect installation of SharkBite EvoPEX Systems and can be tested immediately once all connections are made.

Q: Is SharkBite PEX Pipe approved for continuous hot water recirculation?

A: SharkBite PEX pipe for potable water applications is certified by NSF International to meet the latest ASTM F876 oxidative-resistance requirements for continuous recirculation, as indicated by the PEX 5106 designation on white, red, and blue tubing.

SharkBite PEX Pipe meets the highest chlorine resistance rating that indicates suitability for use in continuous recirculation systems where tubing is exposed to hot (up to 140 Deg. F), chlorinated water 100 percent of the time.

Q. Are SharkBite fittings approved for underground use?

1-A. SharkBite fittings with brass components must have an impervious barrier between the fitting and the surrounding soil. Self-fusing, formaldehyde and chloride-free, fully cured silicone tape with a minimum thickness of 0.020" should be used for this purpose.

2-A. SharkBite EP EvoPEX fittings are certified for underground applications without a wrapping material and have a 10 year warranty when buried. Cut pipe square and ensure that both the EvoPEX pipe and fitting are clean and free of dirt and debris in preparation for making a connection.

Q. How long after installation can a SharkBite system be pressure tested?

A. A SharkBite system can be tested immediately once all connections are made.

Q. Are SharkBite EvoPEX fittings and SharkBite PEX Pipe UV resistant?

A. SharkBite Universal brass fittings can be used in sunlight when installed on copper or CPVC. SharkBite PEX Pipe and EvoPEX fittings are UV resistant for up to one (1) month.

Q. Are tools needed for SharkBite EvoPEX fittings?

A. No tools are required to make a fitting connection. PEX cutters are required for cutting PEX pipe. Proper pipe cutters and deburring tools are needed for other pipe types used with Universal fittings.

Q. What is the insertion depth for SharkBite EvoPEX fittings?

A. Insertion depth will depend on the size of the fitting. Push the SharkBite PEX Pipe into the SharkBite EvoPEX fitting until green indicator ring appears in the collet window. The visual appearance of the green indicator ring through the collet window is verification that the pipe is fully inserted for a proper connection.

Q. Can SharkBite EvoPEX fittings be removed?

A. SharkBite EvoPEX fittings are a permanent connection with PEX Pipe only and cannot be removed.

Q. Can SharkBite PEX Pipe be installed to a water heater?

A. SharkBite PEX Pipe should not be installed closer than 18" to the water heater unless specified otherwise by local code. SharkBite corrugated and stainless steel braided water heater connection hoses may be installed directly to a water heater. SharkBite Tank Booster is a thermostatic mixing valve with connections that may be installed directly to a water heater. Please reference www.sharkbite.com for more information regarding SharkBite water heater connectors and Tank Booster thermostatic mixing valves.

Q. Is there a minimum space requirement between fittings?

A. SharkBite EvoPEX fittings have no space requirement between fittings.

Q. Do extreme temperatures in excess of 140° Fahrenheit in an attic affect the quality or performance of SharkBite fittings?

A. SharkBite EvoPEX fittings are suitable for attic applications with temperature pressures of (80 PSI @ 200°F (93°C), 100 PSI @ 180°F (82°C), and 160 PSI @ 73.4°F (23°C)) when installed as per the installation instructions and relevant plumbing codes.

Q. What are additional precautions to take during the installation process with SharkBite EvoPEX fittings?

A. Prevent the EvoPEX fittings from coming in contact with primers, solvent cements, and other solvents. When using firestops, spray polyurethane foam (SPF) insulation, or other expanding fillers, protect the EvoPEX fittings from contact by wrapping (polyethylene wrap minimum of 2 layers) the fittings in areas where contact is possible. We recommend to using SharkBite silicone wrap #25406. Only use dishwashing liquid soap and water to detect plumbing leaks. Avoid using 'Leak Detector' spray products.

**SHARKBITE PEX PIPE DIMENSIONS,
BEND RADIUS AND FLUID CAPACITY:**

Nominal Diameter	OD inches	ID inches	Bend Radius	Fluid Cap 100'/Gals
3/8"	0.5	0.35	4"	0.53
1/2"	0.625	0.475	5"	0.96
3/4"	0.875	0.671	7"	1.9
1"	1.125	0.885	10"	3.1