

Expansion PEX Connection



Installation:

1. Cut PEX tubing at 90 degrees. Be sure that the cut is square and free of burrs.
2. Close the ball valve
3. Slide the ASTM F1960 collar over the end of the PEX tubing until it is at full depth on the PEX tubing.
4. Expand the PEX tubing and collar using the appropriate expansion tool. Follow the instruction manual of the tool that is being used to ensure proper installation steps are followed.
5. Hold the expanded PEX tubing and collar over the end connection of the valve at the fully seated shoulder depth where the PEX tubing contacts the valve body.
6. Keep holding the PEX tubing in place until the tubing contracts around the end connection, providing a leak free connection.
7. Verify the connection is visibly secure and completely connected.
8. Test completed installation by resuming water flow.
9. If leakage occurs, shut water off, cut out leaking connections, and replace them.
10. Repeat the installation process.

****Installations are to be performed by qualified plumber**

Operation:

1. The ball valve can only be in the full open or close position.
2. The ¼ turn PEX ball valves would lead to a water-hammer effect during quick open and close process.

Note: When installing the ball valve, it should be in the horizontal or vertical position only.

Maintenance:

- The life of the ball valve depends on the use of the environment and using frequency, such as ball valve conveying medium, medium temperature, environment and corrosive medium, installation position, etc.
- PEX ball valves provide a long service life and require no special maintenance if the valves are used in a normal application.

If you need to replace a valve, note the following;

1. Before replacing the valve, remove the pipeline medium and pressure in the section where the valve needs to be replaced.
2. When replacing the valve, please pay attention to safety and wear safety protection such as gloves and safety glasses, if necessary.
3. Please note that water flows out of the piping system during disassembly unless the pipe has a drain in another location. Otherwise, please collect the water precipitated in the disassembly process and discharge again.

Critical System Requirements:

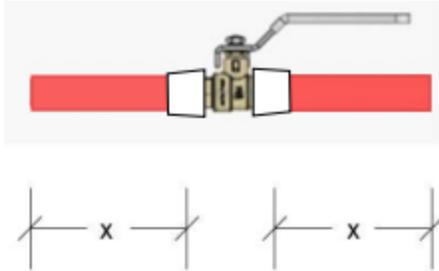


Table 1

Valve size	(x) (inches)
½"	8
¾"	10
1"	12
1 ¼"	14
1 ½"	16
2"	20

- PEX tubing must meet AT LEAST the minimum straight run dimensions (x) from Table 1, immediately following the crimp connection(s) to eliminate stress on the valve body and connection(s).
- PEX tubing supports must be used to isolate the valve from stresses on either side of the valve. Failure to do so can compromise the connection(s), leading to leakage and even cracking of the valve body.
- Radius collars or fixed elbows are suggested to be used at the first bend following the minimum straight run dimension.
- Stem extensions may be used for insulating applications only, where additional offset is needed to extend the lever operator beyond the soft material wall of the insulation. Under no circumstances should stem extensions be used as a means to extend an operating handle through a wall or any other structural member.
- **It is the responsibility of the installer to ensure that stresses to the valve body and connection(s) are eliminated by using proper supporting.**

- End connections designed to ASTM F1960.
- For water use only.
- Not to be used under corrosive water quality or atmospheric conditions. Applications containing Chlorine, Ammonia, and Chloramine can cause accelerated corrosion in excess of reasonable exposure, and measures must be taken to select the appropriate alloy for the installation conditions.
- Verify that the valve's pressure and temperature ratings are sufficient for the application.

** Jomar warrants this product to be free of defects in workmanship or material for a period of one year from the date of delivery to our initial purchaser.

**Jomar is not responsible for failures when the instructions of this Installation, Operation, and Maintenance Guide have not been followed.