

## Application:

Legend Mini-Loc fittings are designed for potable water plumbing distribution systems. They allow quick and simple, yet durable, permanent connections of PEX, PE and copper tubing without the need for the additional tools or materials required for compression-type or crimp-ring connections. Not all medias are compatible with the materials used to construct the Mini-Loc fittings; please **contact Legend Technical at 1-800-752-2082** when medias other than water, are considered.

**IMPORTANT!** Mini-Loc fittings should not be used in gas, petroleum or compressed-air installations. They are not suitable for use on PEX tubing with an oxygen barrier on the outer layer, or composite PEX-AL-PEX tubing.

## Installation:

- 1) Cut the tubing square. Verify that the cut-end is free of imperfections; angle cuts, out-of-round ends, contamination, nicks, burrs, deep scoring or damage of any type, are NOT acceptable and require re-cutting. Do NOT apply lubricant of any type, to the tubing end or fitting O-ring. An insert stiffener (not included) installed into the cut-end of the tubing is required, where soft or thin-wall plastic tubing is used. A stiffener is not required when connecting copper tubing. **See Figure 1:**
- 2) Squarely insert and push the tubing end into the Mini-Loc fitting's socket, until it stops. Some resistance is normal.
- 3) Verify a positive connection by attempting to pull the tubing out of the socket. No more than 1/16" outward movement should occur, as the tubing and grip collar move slightly away from the front face of the fitting's body (this is normal, acceptable movement). If there's excessive tubing movement or if the tubing comes completely out of the socket, repeat all steps. Verify a positive seal by pressure-testing the system. If there is any leakage, remove the fitting, (as described in steps A through D below) inspect the fitting's socket for debris and repeat all steps. **See Figures 2A and 2B:**
- 4) Support and secure the tubing per local code requirements. **CAUTION!** DO NOT place tube supports near the fitting connections! Thermal contraction and expansion may cause movement of the tubing and fittings, resulting in grip collar contact with the support, and possible release of the tubing from the fitting's socket!

## Legend Mini-Loc fittings are removable and re-usable.

See Figures 3A and 3B:

- A) Relieve system pressure.
- B) Push and hold the grip collar against the front face of the fitting's body, releasing the tubing.
- C) Pull the tubing out of the fitting's socket.
- D) If the same tubing will be re-installed, repeat steps 1 through 4. If the Mini-Loc fitting will be re-used later on another system, place the fitting into a plastic bag, to prevent debris from entering the sockets. It is good practice to inspect used Mini-Loc fittings prior to re-installation. Refer to these instructions when ready to re-install. NEVER Re-install a damaged or contaminated Mini-Loc fitting!

Mini-Loc fittings are pressure-temperature rated as follows:

1/4" and 5/16": 230 p.s.i. @ 34° to 68° F  
150 p.s.i. @ 150° F  
3/8": 170 p.s.i. @ 34° to 68° F  
100 p.s.i. @ 150° F



ANSI / NSF 61-8 and 61-9  
ANSI / NSF 14  
ASSE 1061  
Pipe threaded configurations comply  
with ANSI / ASME B1.20.1

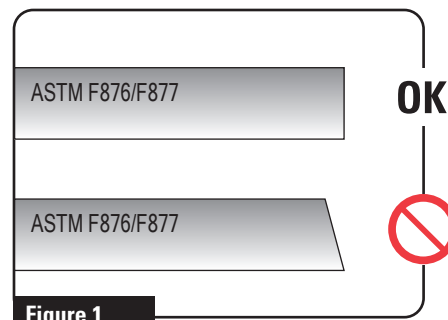


Figure 1

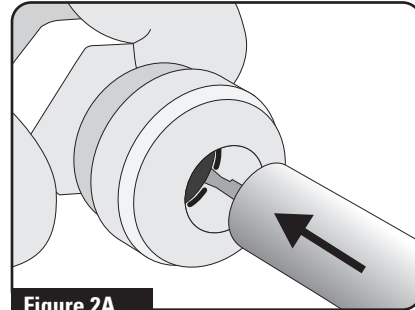


Figure 2A

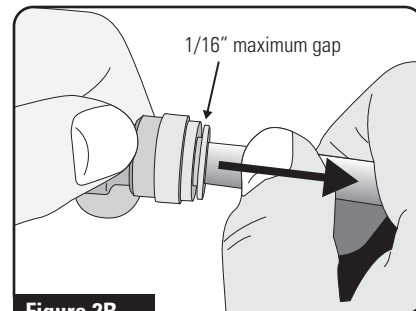


Figure 2B

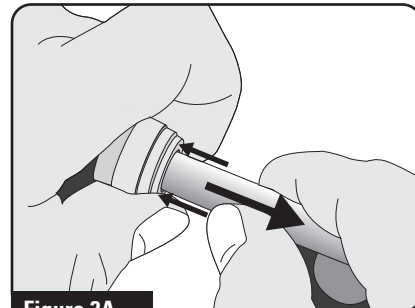


Figure 3A

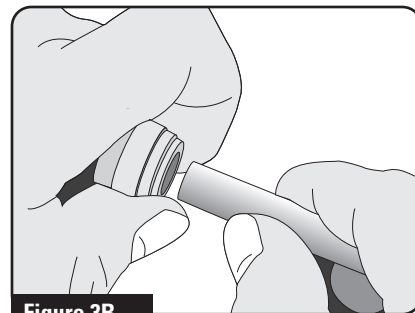


Figure 3B

 **LEGEND**  
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