INSTALLATIONS: Water Supply Stops – All Connection Styles

Preparing the Site. Dos and Don'ts. General Instructions.

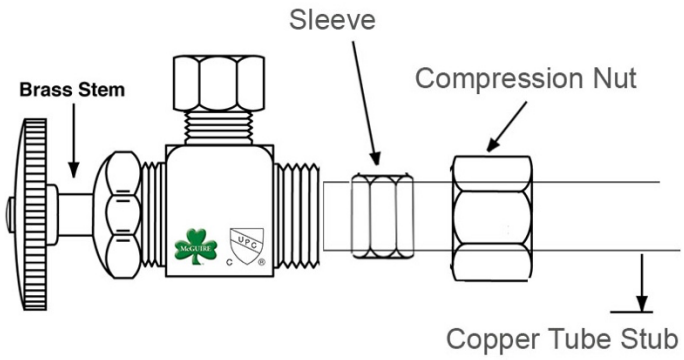
- Installation should be in accordance with local plumbing codes
- Use only type L or M copper pipe
- Follow tooling manufacturer's instructions for Press and PEX installations
- Be sure the water supply is shut off prior to any installation
- Clean stub out and riser of debris and be sure they are square and free of burrs
- Never overtighten McGuire stop valves. This can cause the product to crack or fail over time
- Verify installation by turning on water supply and check for leaks.
- Follow specific riser installations depending on the riser type and connection
- McGuire riser connection installations are for McGuire products only. All other outlet connections should be installed with the corresponding riser manufacturer
- McGuire is not liable for products installed incorrectly. See Warranty and Terms at www.mcguiremfg.com

For Copper Compression Water Supply Stop Valves

McGuire Part #s LFST09, LFHST09, LFBV09, LFBV2-09, LFCK09
Tools: Tube cutter, oil, and wrench
Don't use thread tape, putty, or gasket sealant

1. Inspect the pipe and stop valve. Be sure the copper tube is clean and free of debris and burs.
2. Slide the compression nut and brass sleeve on type M or L copper tube.
3. A drop of thread oil on the threads will assist in the tightening of nut.
4. Slide the stop valve onto the copper tube, then slide the nut and brass sleeve onto the stop. Make sure the stop is square on the pipe and the brass sleeve and nut are properly aligned/seated within stop.
5. Turn the compression nut by hand until tight. Verify the valve is square on the pipe and the brass sleeve is properly seated.
6. Using hand wrench tighten nut 3/4 turn to complete the installation.
7. Do not over tighten or forcefully apply pressure to the stop valve. Overtightening can cause a failure.

McGuire Part#: LFST09, LFHST09, LFBV09, LFBV2-09, LFCK09



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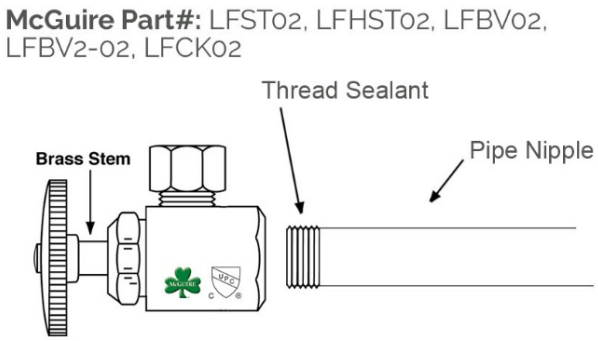
For IPS - Female Iron Pipe Water Supply Stop Valves

McGuire Part #s LFST02, LFHST02, LFBV02, LFBV2-02, LFCK02
Tools: Thread sealant and wrench

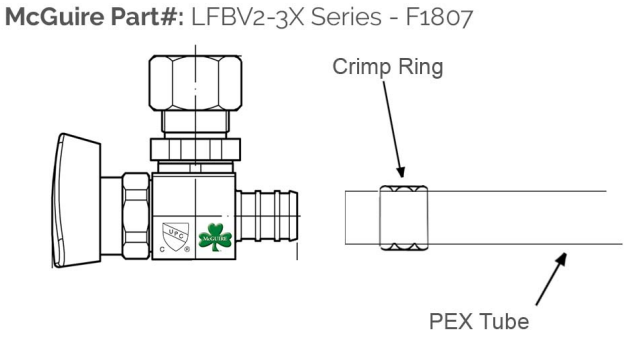


1. Inspect the stop valve and make sure all the components are with the valve.
2. Apply thread sealant to pipe nipple.
3. Screw thread valve onto pipe nipple and tighten with the wrench.
4. Verify the outlet is properly aligned and positioned.

For Barbed PEX Water Supply Stop Valves

McGuire Part# s: LFBV2-3X Series F1807
Tools: Tube cutter, crimping tool with instructions, crimp gauge

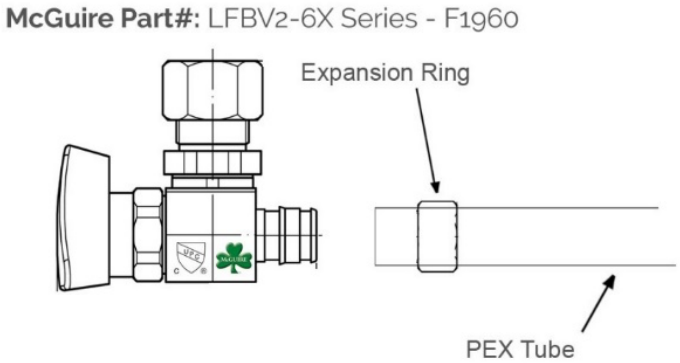
1. Cut the PEX tube so the end of the tubing is squared.
2. Slide the crimp ring onto the PEX tube.
3. Insert the stop valve's inlet barbs until in stops at the valve body.
4. Place the crimp ring over the barb area and follow the crimp tool manufacturer's crimping instructions to seal and secure.



For Cold Expansion PEX Water Supply Stop Valves

McGuire Part# s: LFBV2-6X Series F1960
Tools: Tube cutter and expansion tool with instructions

1. Cut the PEX tube so the end of the tubing is squared.
2. Slide the PEX reinforcement expansion ring over the tubing.
3. Follow the PEX expansion manufacturer's instructions for the installation of the stop valve inlet.



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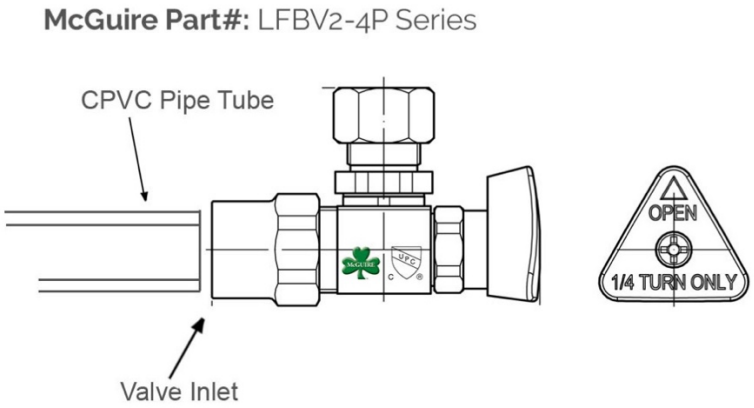
For CPVC Compression Water Supply Stop Valves

McGuire Part #s LFBV2-4P Series
Tools: CPVC Primer or fine sandpaper, CPVC cement and wrench

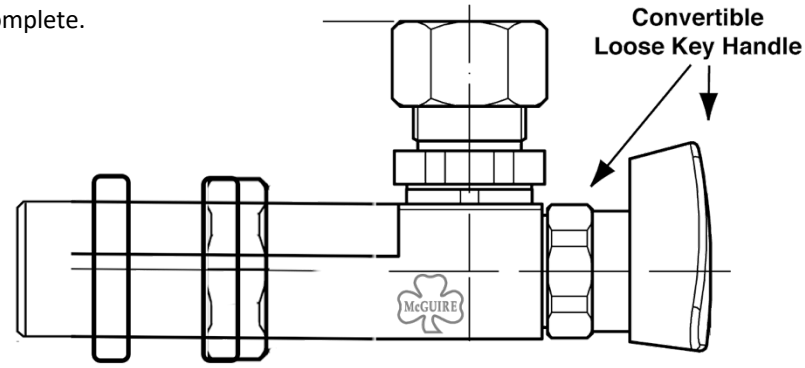
1. Use only CPVC cement or an all-purpose cement conforming to ASTM F-493 or joint failure may occur.
2. Too much cement can result in clogged waterways and weaken insert in the fitting or the valve.
3. Cut the pipe squarely and remove all inside and outside debris.
4. Follow the solvent weld manufacturer's instructions.



For BV2Press Water Supply Stop Valves

McGuire Part #s LFBV2-PPT Series
Tools:

1. Make sure copper pipe has been deburred and free from defects.
2. Mark insertion depth of 1-7/16 in.
3. Slide valve and slightly turn until it makes contact with the stop. Visually verify with mark. Position valve accordingly.
4. Open press jaw and place at a right angle of the valve. Verify position and depth using the mark on the tube.
5. Begin press process and hold until the tool has engaged press end. (Follow press tool instructions for steps 5 and 6)
6. The jaw can be removed once the press is complete.



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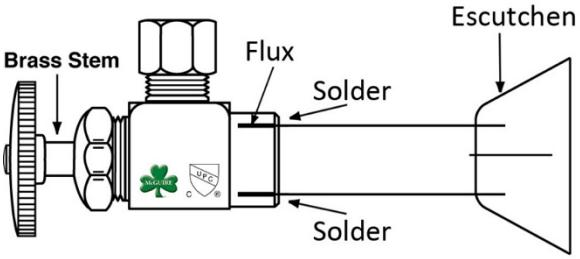
For Sweat Water Supply Stop Valves

McGuire Part #s LF082 and 084 Series
Tools: Flux, solder, wrench, damp rag, emery cloth

1. Open the stop valve to the full turn position including ¼ turn ball valves.
2. For Multi-Turn, remove stem to prevent EPDM washer from being damaged.
3. Verify copper pipe is type L or M
4. To prevent pressure from building in the valve, which results in a poor solder joint, solder with the ball valve in the open position and allow to cool prior to closing.
5. Clean pipe and inside of valve using emery cloth.
6. Coat the tube pipe and inside fitting with a thin coat of flux.
7. Push the valve onto the stub out and turn valve to evenly coat the flux on the inside of the valve.
8. Solder evenly to both sides of the valve (not to flame). As the solder melts, touch solder around the edges of the entrance of the valve while applying the heat.
9. While the tube pipe is hot, gently wipe the valve with a damp rag to smooth the chrome shiny solder in place in finish. Be careful not to disrupt or move the valve while the solder is cooling and setting.
10. Allow the valve to completely cool after soldering and prior to closing the valve in preparation for turning the water source back on.
11. Add stem back to valve once cooled down.
12. Remember, soldering is about heat control. It takes longer to heat up than it does to stay hot.

McGuire Part#: LFST082, LFHST082, LFBV082, LFBV2-082, LFCK082, LFST084, LFHST084, LFBV082, LFBV2-084, LFCK084



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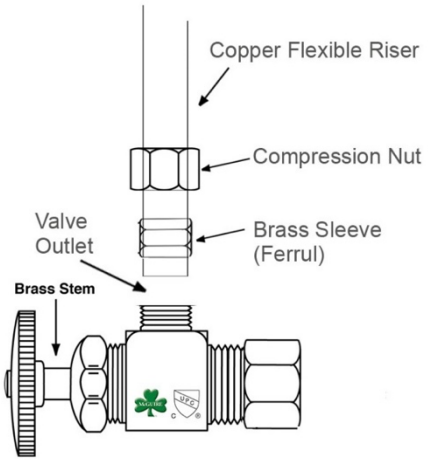
Riser Outlet Hook-Up Instructions
For Copper Compression Outlet Supply Stop Valves

Tools: Tube cutter and wrench

Copper Compression Outlet



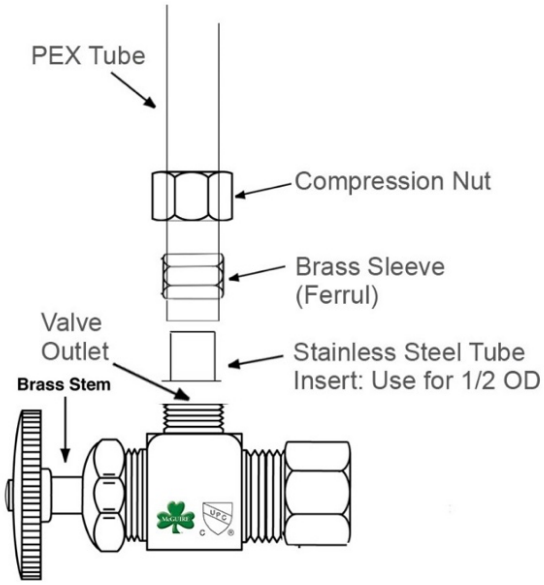
1. Cut the copper riser flexible tube to length at the stop valve entrance and push into the bottom of the stop valve.
2. Place the compression nut and sleeve onto the copper tube.
3. A drop of oil makes the riser and nut tighten with ease.
4. If using oil, be sure the threads are clean from debris before tightening the nut to preserve the integrity of the seal.
5. Hand tighten the compression nut onto the stop as far as it will go.
6. Using a wrench, tighten 1 to 1-1/5 turns from the hand tight position to make sure the nut is seated.

For PEX Compression Outlet Supply Stop Valves

Tools: Tube cutter and wrench

1. Cut the copper riser flexible tube to length at the stop valve entrance and pushes into the bottom of the stop valve.
2. Place compression nut and sleeve onto the PEX tube.
3. If the outlet is larger than 3/8 OD insert the stainless-steel tube insert.
4. A drop of oil will make the nut tightening easier.
5. If using oil, clean the threads of any debris or burrs inside and out. Do not use putty, gasket material or thread tape.
6. If using thread sealant, apply a thin coat to the male compression threads. Be sure to keep the compression ring or sealing surface clean as excessive thread sealant may cause the joint to fail.
7. Hand tighten the compression nut onto the stop as far as it will go.
8. Using hand tools, tighten 1-1/2 to 2 turns from the hand position.
9. Be sure the riser remains seated and square with the stop for the reliability of the connection.

PEX Compression Outlet



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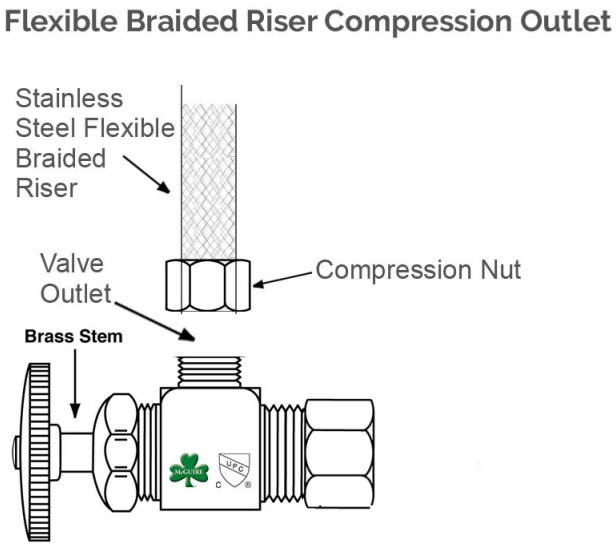
For Flexible Braided Riser Nut Compression Outlet Supply Stop Valves

Tools: Tube cutter and wrench

Follow braided riser manufacturer's instructions for installation

1. Install braided connector at its neutral length.
2. Clean both braided connector and stop valve threads to ensure a reliable seal.
3. Tighten 1/4 turn more using a wrench from a hand-tight position.
4. Do not overtighten or failure can occur.



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