



# IMPORTANT NOTICE - READ CAREFULLY

## Supply Stop Instructions

A.Y. McDonald Mfg. Co. Water Supply Stops are available in a variety of configurations. Click below on the inlet and/or outlet that you are looking for...

**INLET:**

- “COMPRESSION ON COPPER TUBING (Inlet):”
- “FEMALE PIPE THREAD (FNPT) ON PIPE NIPPLE (Inlet):”
- “SWEAT ON COPPER TUBING (Inlet):”
- “COMPRESSION ON PEX TUBING (Inlet):”
- “SOLVENT WELD ON CPVC PIPE (Inlet):”
- “PEX (ASTM F1807) ON PEX TUBING (Inlet):”
- “EXPANSION PEX (ASTM F1960) ON PEX TUBING (Inlet):”
- “PUSH-FIT ON COPPER TUBING, PEX TUBING OR CPVC PIPE (Inlet):”
- “PRESS FIT ON COPPER TUBING (Inlet):”

**OUTLET:**

- “COMPRESSION ON COPPER TUBING (Outlet):”
- “COMPRESSION ON PEX TUBING (Outlet):”
- “SLIP JOINT ON COPPER TUBING (Outlet):”
- “WATER SUPPLY HOSE (Outlet):”



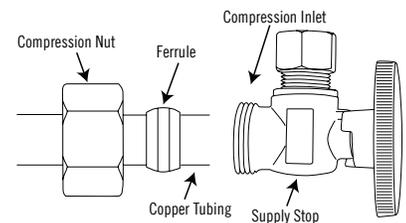
- **DO NOT INSTALL UNTIL YOU READ AND UNDERSTAND ALL INSTRUCTIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PRODUCT FAILURE AND PROPERTY DAMAGE.**
- **DO NOT OVERTIGHTEN, AS THIS CAN CAUSE THE PRODUCT TO CRACK AND FAIL OVER TIME!**
- **Manufacturer assumes no responsibility for failure, due to improper installation.**

**GENERAL INSTALLATION INSTRUCTIONS:**

- (1) Be sure to shut off main water supply before beginning installation.
- (2) Do not overtighten or overheat!
- (3) Test after installation.

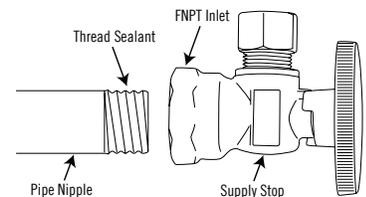
**COMPRESSION ON COPPER TUBING (Inlet):**

- (1) Make sure that riser or stub out are round and free of burrs. They must be squared to ensure straight installation and a permanent seal.
- (2) Place the compression nut and then brass ferrule onto copper tubing.
- (3) Apply one drop of oil (do not use pipe dope) to the compression inlet threads, to make tightening easier.
- (4) Install the valve body onto the copper tubing, ensuring that the tubing is completely seated into the valve body.
- (5) Orient the outlet of the valve into the desired location.
- (6) Hand tighten the compression nut. Then, tighten the compression nut an additional 3/4 to 1 turn with a hand tool. **DO NOT OVERTIGHTEN!**



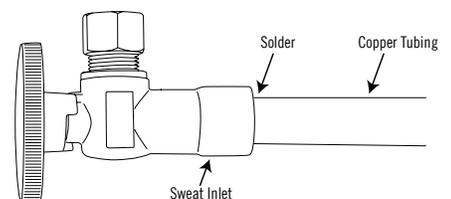
**FEMALE PIPE THREAD (FNPT) ON PIPE NIPPLE (Inlet):**

- (1) Apply thread sealant (pipe dope) or Teflon tape to pipe nipple.
- (2) Install the valve onto the pipe.
- (3) Hand tighten (turning clockwise) and then tighten with hand tool. Making sure to orient the outlet of the valve into the desired location.



**SWEAT ON COPPER TUBING (Inlet):**

- (1) Make sure that riser or stub out are round and free of burrs. They must be squared to ensure straight installation and a permanent seal.
- (2) Clean outside of copper tubing and inside the valve with sandpaper or steel wool. Then brush flux, that is suitable for use with potable water, onto all cleaned surfaces. Install the valve onto the copper tubing and rotate to distribute flux evenly.
- (3) Orient the outlet of the valve into the desired location.
- (4) Make sure the valve is in the open position. Using a torch, apply heat to all sides, checking temperature occasionally by touching end of solder to surface (not to flame). When solder liquefies, temperature is correct. Feed solder around edge of the valve as heat is applied. Enough solder has been applied when it can be seen emerging from the entire circumference of the joint.



- ⚠ CAUTION:** Direct the flame away from the center portion of the valves body. **DO NOT OVERHEAT!**
- (5) Do not turn the stop to the closed position or pressure test until the stop has fully cooled.



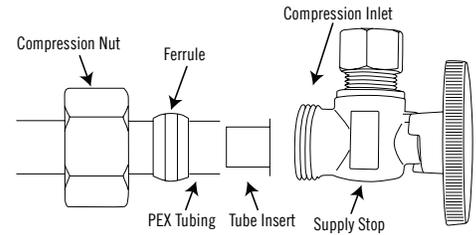
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## Supply Stop Instructions

#### COMPRESSION ON PEX TUBING (Inlet):

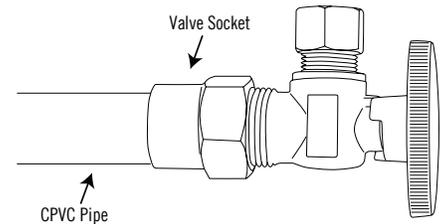
- (1) Make sure that PEX tubing is square and round, to ensure straight installation and a permanent seal.
- (2) Place the compression nut and then brass ferrule onto PEX tubing.
- (3) Add tube insert.
- (4) Apply one drop of oil (do not use pipe dope) to the compression inlet threads, to make tightening easier.
- (5) Install the valve body onto the PEX tubing, ensuring that the tubing is completely seated into the valve body.
- (6) Orient the outlet of the valve into the desired location.
- (7) Hand tighten the compression nut. Then, tighten the compression nut an additional 3/4 turn with a hand tool. **DO NOT OVERTIGHTEN!**

*\*\*\*Recommended installation is with use of the brass ferrule which is provided. Should you choose to use a plastic ferrule, hand tighten the compression nut and then using a hand tool, tighten 1/2 turn from the hand tight position.*



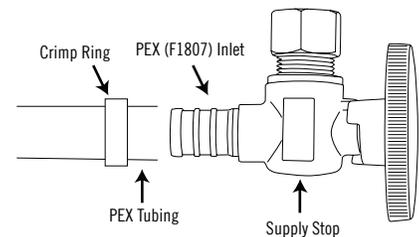
#### SOLVENT WELD ON CPVC PIPE (Inlet):

- (1) Make sure that the pipe is round and free of burrs. It must be squared to ensure straight installation and a permanent seal.
- (2) Orient the outlet of the valve into the desired location.
- (3) Use a quality primer and CPVC cement. Follow the solvent weld manufacturer's instructions.



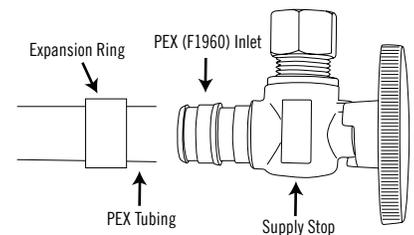
#### PEX (ASTM F1807) ON PEX TUBING (Inlet):

- (1) Make sure that PEX tubing is square and round, to ensure straight installation and a permanent seal.
- (2) Place the copper crimp ring or stainless-steel clamp onto PEX tubing.
- (3) Install the valve body onto the PEX tubing, ensuring that the tubing is completely seated into the valve body.
- (4) Orient the outlet of the valve into the desired location.
- (5) Position copper crimp ring or stainless-steel clamp over barbed area and follow the crimp tool manufacturer's instructions to properly secure.



#### EXPANSION PEX (ASTM F1960) ON PEX TUBING (Inlet):

- (1) Make sure that PEX-a tubing is square and round, to ensure straight installation and a permanent seal.
- (2) Place the expansion ring onto PEX-a tubing.
- (3) Orient the outlet of the valve into the desired location.
- (4) Follow the expansion PEX tool manufacturer's instructions to properly secure.





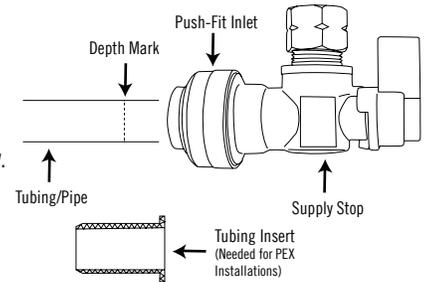
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## Supply Stop Instructions

#### PUSH-FIT ON COPPER TUBING, PEX TUBING OR CPVC PIPE (Inlet):

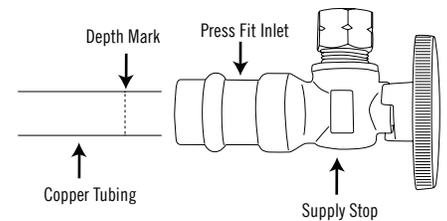
- (1) Make sure that tubing/pipe is round and free of burrs. It must be squared to ensure straight installation and a permanent seal.
  - (2) Mark 1" insertion depth from end of tubing/pipe.
  - (3) Add tube insert, if using PEX tubing.
  - (4) Install the valve body in the desired position, ensuring that the tubing is completely seated into the valve body. This should correspond with the insertion depth mark.
  - (5) Grasp the tubing/pipe and valve body. Then, gently attempt to pull them apart, to verify a proper connection.
- NOTE: No movement should occur!

*Push-Fit Supply Stops are detachable. Release tool is sold separately.*



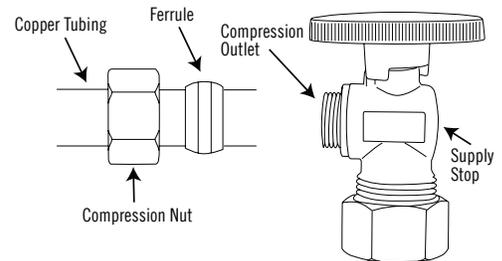
#### PRESS FIT ON COPPER TUBING (Inlet):

- (1) Make sure that riser or stub out are round and free of burrs. They must be squared to ensure straight installation and a permanent seal.
- (2) Mark 3/4" insertion depth from end of tubing.
- (3) Install the valve body onto the copper tubing, by turning slightly and ensuring that the tubing is completely seated into the valve body. This should correspond with the insertion depth mark.
- (4) Orient the outlet of the valve into the desired location.
- (5) Follow the Press Fit tool manufacturer's instructions to properly secure.



#### COMPRESSION ON COPPER TUBING (Outlet):

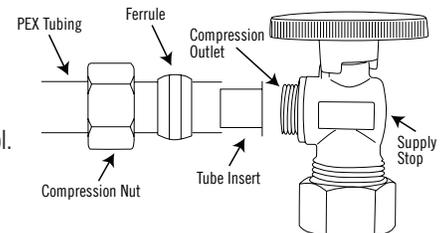
- (1) Make sure that riser or stub out are round and free of burrs. They must be squared to ensure straight installation and a permanent seal.
- (2) Place the compression nut and then brass ferrule onto copper tubing.
- (3) Apply one drop of oil (do not use pipe dope) to the compression outlet threads, to make tightening easier.
- (4) Install the valve body onto the copper tubing, ensuring that the tubing is completely seated into the valve body.
- (5) Hand tighten the compression nut. Then, tighten the compression nut an additional 3/4 turn with a hand tool. DO NOT OVERTIGHTEN!



#### COMPRESSION ON PEX TUBING (Outlet):

- (1) Make sure that PEX tubing is square and round, to ensure straight installation and a permanent seal.
- (2) Place the compression nut and then brass ferrule onto PEX tubing.
- (3) Add tube insert.
- (4) Apply one drop of oil (do not use pipe dope) to the compression outlet threads, to make tightening easier.
- (5) Install the valve body onto the PEX tubing, ensuring that the tubing is completely seated into the valve body.
- (6) Hand tighten the compression nut. Then, tighten the compression nut an additional 3/4 turn with a hand tool. DO NOT OVERTIGHTEN!

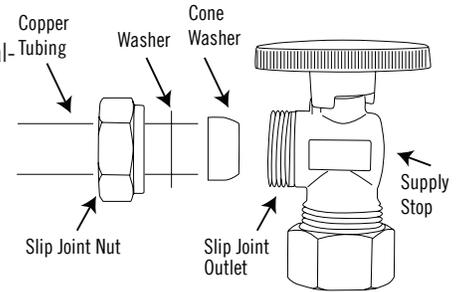
*\*\*\*Recommended installation is with use of the brass ferrule which is provided. Should you choose to use a plastic ferrule, hand tighten the compression nut and then using a hand tool, tighten 1 1/4 turn from the hand tight position.*



**SLIP JOINT ON COPPER TUBING (Outlet):**

- (1) Make sure that riser or stub out are round and free of burrs. They must be squared to ensure straight installation and a permanent seal.
- (2) Place the slip joint nut, washer, and then the cone washer onto copper tubing.
- (3) Insert the cone washer into the outlet, ensuring that it is lined up square with the valve.
- (4) Tighten nut with a hand tool. **DO NOT OVERTIGHTEN!**

NOTE: Do not use pipe compound on slip joint threads



**WATER SUPPLY HOSE (Outlet):**

- (1) Making sure to use the correct supply hose, connect the compression nut to the compression outlet.
- (2) Hand tighten the compression nut. If the connector has a metal nut, then after hand tightening it, use a hand tool to tighten 1/4 turn more. **DO NOT OVERTIGHTEN!**

NOTE: Do not use thread sealant

