

INSTRUCTION GUIDE

QUARTER TURN VALVE



COPPER COMPRESSION

FOR USE WITH TYPE L OR M COPPER ONLY.

1. Debur and clean end of pipe if necessary. Slide the compression nut, then compression sleeve (ferrule) onto the pipe end.
2. Slide valve body onto pipe end until it bottoms out. Thread the compression nut onto the male threads of the valve body. **NOTE:** Do NOT use pipe joint compound or thread sealant tape on threads.
3. Using two adjustable wrenches, tighten the compression nut to a leak-tight position. This is normally accomplished by an additional one-half turn of the compression nut after the compression sleeve compresses onto the copper tubing.

PEX COMPRESSION

1. Debur and clean end of pipe if necessary. Slide the compression nut, then compression sleeve (ferrule) onto the pipe end.
2. Slide valve body onto pipe end until it bottoms out (stiffener must fit into pipe end). Thread the compression nut onto the male threads of the valve body. **NOTE:** Do NOT use pipe joint compound or thread sealant tape on threads.
3. Using two adjustable wrenches, tighten the compression nut to a leak-tight position. This is normally accomplished by an additional one-half turn of the compression nut after the compression sleeve compresses onto the PEX tubing.

FEMALE IRON PIPE - FIP

1. After an approved thread sealant is applied to the male threads of nipple or adaptor, thread valve onto the male threads.
2. Using two adjustable wrenches, hold back on the nipple or adaptor. Tighten the valve body to a watertight position and the valve outlet aligns with the inlet connection to your fixture.

COPPER SWEAT

1. Debur pipe end, then clean and flux the pipe end and inside of fitting to remove all debris.
2. Apply flux to copper stub out, push valve onto the pipe and then apply heat and solder to create connection. Make sure to align the valve so the outlet is facing the end connection point. Do not move the valve until the solder connection has hardened.

CPVC

1. Prepare CPVC pipe by cutting square, chamfering, deburring, and cleaning.
2. Apply primer and cement (or approved one step cement) to the pipe end and inside valve hub, then push valve onto pipe end.
3. Follow solvent cement manufacturer instructions on cure time prior to testing.

COLD EXPANSION PEX

1. Slide PEX ring over the tubing and follow PEX manufacturer's instructions for installation of the barb inlet.

PUSH CONNECT

USE WITH PEX, COPPER AND CPVC

1. Debur stub out and mark 3/4 in. from the end, firmly pushing valve onto the pipe to ensure it is seated in place and collar has met the mark.
2. Position shut-out valve to receive water supply tube.
3. Place nut and sleeve on the supply tube and tighten compression nut to valve securely. Do not twist or adjust the valve while under water pressure.
4. Safety clip should be on at all times, unless removing valve.

To remove valve, turn off water then remove the safety clip. Pull collar towards valve body as you remove from the stub out. Replace safety clip.

SLIP JOINT

1. Debur stub and ensure roundness prior to install. Slide slip joint nut, ring and washer onto the tube. Make sure to confirm alignment.
2. Using a wrench, tighten nut. Be careful not to overtighten.

PEX CRIMP CONNECTION

1. Slide the PEX F1807 crimp ring over the tubing.
2. Follow the PEX manufacturer's instructions for installation of the valve inlet.