

Water Supply Stops

▲ CAUTION: DO NOT INSTALL THIS PRODUCT UNTIL YOU READ AND UNDERSTAND ALL INSTRUCTIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY, PROPERTY DAMAGE OR PRODUCT FAILURE.

For over 70 years, BrassCraft® water supply stops have set the bar for quality, reliability and proven performance. Machined from solid brass, BrassCraft water stops are available in a variety of styles configurations that offer significant advantages for you and your customer. BrassCraft water stops are designed, machined and assembled in the USA.

Kt® Series ¼ Turn Ball Stops are first in its class with a robust design and superior performance. The KT Series precision machined brass ball is specially engineered and mated with PTFE seats to provide smooth operation even after long periods of non-use. 100% leak tested G2® Series ¼ Turn Stops offer durable construction and innovation. One-piece shut off mechanism provides smooth operation even after long periods of non-use. Available with a full range of options, including BrassCraft's push connect technology Multi-turn stops are the industry standard with proven performance. Its one-piece brass body provides strength, durability and long-lasting performance.

INSTALLATION INSTRUCTIONS

▲ CAUTION: FOR USE WITH WATER IN ACCESSIBLE LOCATIONS ONLY.

▲ CAUTION: DO NOT SWEAT WITHIN 12 INCHES OF A G2™ ¼ TURN STOP.

▲ CAUTION: DO NOT USE G2 OR MULTI-TURN STOPS ON RECIRCULATION SYSTEMS EXCEEDING 115° F.

▲ CAUTION: DO NOT USE WITH CONNECTORS HAVING A SOLID BRASS CONE OR BULL NOSE DESIGN - FRACTURES CAN DEVELOP.

▲ CAUTION: STOP MUST BE USED IN THE FULLY OPENED OR FULLY CLOSED POSITION.

▲ CAUTION: OUTLET MUST BE CAPPED IF STOP IS BEING USED AS A TERMINATION POINT.

Do not reuse, inspect annually, replace if damaged, deterioration or corrosion is detected. Failure to do so may result in product failure and property damage.

Manufacturer assumes no responsibility for failure due to improper installation.

GENERAL INSTRUCTIONS:

- BrassCraft Water Supply Stops are available in a variety of configurations. Select the inlet and outlet instructions that apply to the product purchased.
- Be sure stub out and riser are square, round and free of burrs.
- CAUTION: Overtightening can cause product to crack and fail over time. See more detailed instructions below:

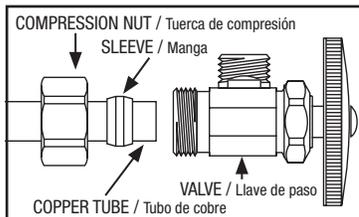
COPPER COMPRESSION INLET

Be sure to shut off water before starting.

For use with type L or M copper only.

1. Place compression nut and sleeve onto the copper tube.
2. A drop of general purpose oil will make tightening easier.
3. If using a drop of oil or thread sealant be sure the threads are clean of any debris and that sealant is also free of any metal debris. **DO NOT USE** a putty, gasket material or thread seal tape.
4. If using a thread sealant, apply a thin even coat to the male compression threads only taking care not to get thread sealant on the compression ring or sealing surface. **IMPORTANT:** Excessive thread sealant may cause joint to fail.
5. Hand tighten the compression nut onto the stop as far as it will allow.
6. Using hand tools, tighten 3/4 turn from the hand tight position. Note: Make sure that the stop remains seated and square to the copper tube. If the stop is not square to the copper tube, this could affect the ability to get a good connection. **CAUTION: DO NOT OVERTIGHTEN** as this could lead to future failure.
7. For riser tube installation, see that section.

Tools Needed for Installation: • Wrench • Tube Cutter



INSTALLATION INSTRUCTIONS (CONTINUED)

PEX COMPRESSION INLET

Be sure to shut off water before starting.

For use ASTM F876/F877 PEX only.

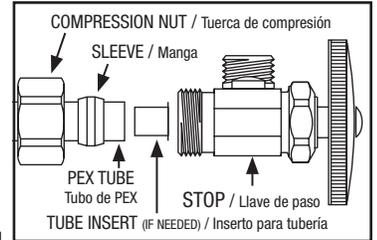
NOTE: On 3/8 in. OD and smaller, use plastic compression sleeve. On larger than 3/8" OD, use brass compression sleeve w/stainless steel tube insert.

1. Place compression nut and sleeve onto the PEX tube.
2. If larger than 3/8 in. OD, insert stainless steel tube insert.
3. A drop of general purpose oil will make tightening easier.
4. If using a drop of oil or thread sealant be sure the threads are clean of any debris and that sealant is also free of any metal debris.

DO NOT USE a putty, gasket material or thread seal tape.

5. If using a thread sealant, apply a thin even coat to the male compression threads only taking care not to get thread sealant on the compression ring or sealing surface. **IMPORTANT:** Excessive thread sealant may cause joint to fail.
6. Hand tighten the compression nut onto the stop as far as it will allow.
7. Using hand tools, tighten 3/4 turn from the hand tight position. Note: Make sure that the stop remains seated and square to the PEX tube. If the stop is not square to the PEX tube, this could affect the ability to get a good connection. **CAUTION: DO NOT OVERTIGHTEN** as this could lead to future failure.
8. For riser tube installation, see that section.

Tools Needed for Installation: • Wrench • Tube Cutter



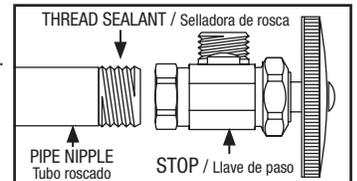
FEMALE IRON PIPE (FIP INLET)

Be sure to shut off water before starting.

1. Apply thread sealant to pipe nipple. Thread valve onto pipe. Wrench tighten. Make sure outlet is positioned correctly.

Tools Needed for Installation:

- Thread sealant • Wrench



SWEAT INLET

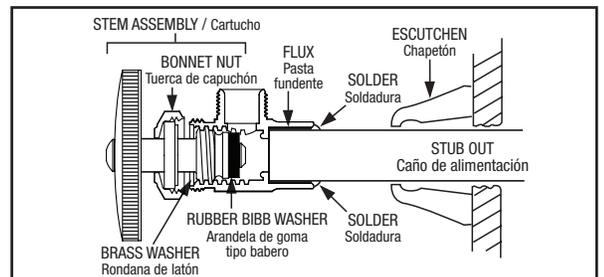
Be sure to shut off water before starting.

NOTE: MULTI TURN: Remove complete stem assembly by loosening bonnet nut and unthreading stem to prevent heat damage to washer. Reassembly after installation is complete 1/4-Turn Stops: Make sure the stop is in the open position. Do not turn the stop to the off position until the stop has fully cooled. Do not use a wet rag to cool the stop.

1. Clean outside of copper stub out and inside of fitting/valve with emery cloth or steel wool and remove all loose particles.
2. Coat outside of copper stub out and inside of fitting/valve with flux. Push fitting/valve over stub out and rotate to distribute flux evenly.
3. 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 fitting/valve as heat is applied.
4. While stub out is still hot, carefully wipe valve with damp rag to leave an attractive chrome-like finish. Avoid moving fitting/valve until solder hardens.

Tools Needed for Installation:

- Emery cloth or steel wool • Flux • Solder • Wrench • Damp rag



INSTALLATION INSTRUCTIONS (CONTINUED)

CPVC INLET

Be sure to shut off water before starting.

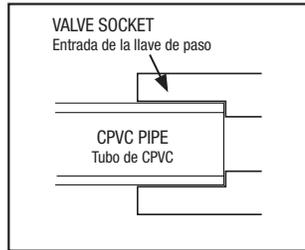
CAUTION: USE ONLY CPVC CEMENT OR AN ALL-PURPOSE CEMENT CONFORMING TO ASTM F-493 OR JOINT FAILURE MAY RESULT.

CAUTION: ASSEMBLE VALVE ACCORDING TO SOLVENT WELD MANUFACTURER'S INSTRUCTIONS.

1. Cut pipe squarely and remove all inside and outside burrs.
2. Follow solvent weld manufacturer's instructions.

CAUTION: TOO MUCH CEMENT CAN CLOG WATERWAYS AND WEAKEN INSERT IN FITTING OR STOP.

Tools Needed for Installation: • CPVC Cleaner/Primer (or fine sandpaper)
• CPVC Cement • Wrench



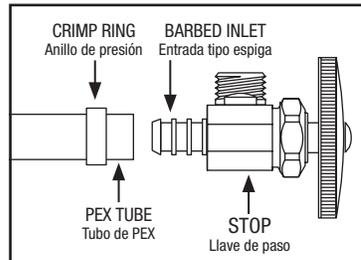
BARBED PEX INLET

Be sure to shut off water before starting.

For use with ASTM F876 / F877 / F1807 PEX only

CAUTION: ASSEMBLE STOP ACCORDING TO CRIMP TOOL MANUFACTURER'S INSTRUCTIONS.

1. Cut PEX tube so the end is square and round.
2. Slide crimp ring over PEX tube.
3. Insert valve barb inlet into PEX tube completely until tube stops at shoulder.
4. Position crimp ring over barb area and follow crimp tool manufacturer's instructions to secure.



Tools Needed for Installation: • Tube Cutter • Crimp Tool • PEX Crimp Gauge

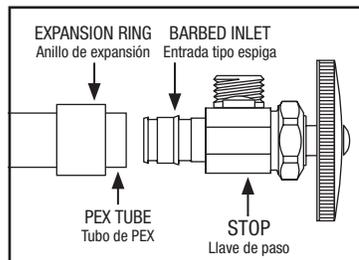
COLD EXPANSION PEX ON INLET

Be sure to shut off water before starting.

For use ASTM F876/F877/F1960 PEX only.

CAUTION: ASSEMBLE STOP ACCORDING TO PEX COLD EXPANSION TOOL MANUFACTURER'S INSTRUCTIONS.

1. Cut PEX tube so that the end is square and round.
2. Slide the PEX reinforcement ring over the PEX tube.
3. Follow the PEX cold expansion tool manufacturer's instructions for installation of the stop barb inlet.
4. For riser tube installation, see that section.



Tools Needed for Installation: • Tube Cutter • Expansion Tool

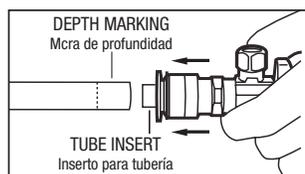
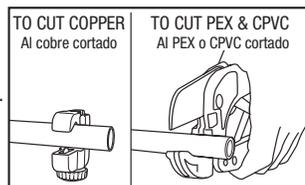
PUSH CONNECT INLET

- For use with Copper, PEX and CPVC
- For use with water in exposed locations only.

Be sure to shut off water before starting.

INSTALLATION

1. Cut Copper, PEX or CPVC tube square, round and free of burrs. If sharp edges are not removed, connection may leak. Make sure stub-out length will accommodate depth of stop and flange.



PUSH CONNECT INLET (CONTINUED)

2. Mark tube: if 1 in. from end. Push valve onto tube as far as possible, at least to line marking on tube is reached. Tube insert will self align in tubing.

REMOVAL

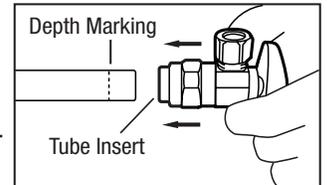
1. With water pressure off and system depressurized, be sure to remove supply line and drain any remaining water from tube.
2. Position stop firmly in palm as shown. With two fingers, depress removal flange back towards stop and pull from tubing.

Tools Needed for Installation: • Tube Cutter • Marker • Measuring Tape

CAUTION:

- FAILURE TO PUSH VALVE TO MARK MAY RESULT IN A LEAK.
- DO NOT USE ANY PLUMBER'S PUTTY, PIPE THREAD TAPE, OR OTHER SEALANT TO CONNECT VALVE.
- IF G2 1/4 TURN VALVE INSTALLATION, DO NOT SWEAT WITHIN 12 INCHES OF THE VALVE.
- ONLY INSERT COPPER, PEX OR CPVC TUBING INTO THE VALVE.
- DO NOT ATTEMPT TO REMOVE TUBE SUPPORT.

G2PC



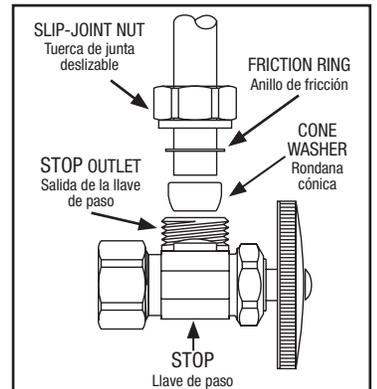
SLIP-JOINT OUTLET

Be sure to shut off water before starting.

NOTE: Do not use pipe compound on slip-joint threads.

1. Be sure tube is not flattened out-of-round and all burrs are removed. If tube is oval or out-of-round, do not rely on the nut to correct. Bring into shape before tightening nut. Replace tube if it is grooved, pocked or scarred as abrasions prevent a good seal.
2. Slide slip-joint nut, friction ring and cone washer onto tube.
3. Be sure tube is lined up with valve so it enters straight and "bottoms" true. If cocked or tilted, nut will not seat properly and could eventually develop a leak.
4. Tighten nut, wrench tighten. **DO NOT OVERTIGHTEN.** Use tape to protect the finish.
5. Turn on main water supply. Turn on valve counterclockwise. If slip-joint nut leaks, turn off water supply. Back off (loosen) nut completely, realign and retighten. **CAUTION: DO NOT OVERTIGHTEN** as this could lead to future failure.

G2PS



Tools Needed for Installation: • Wrench • Protective tape
• Sandpaper or file (if necessary)

COPPER COMPRESSION OUTLET

Be sure to shut off water before starting.

1. Cut the riser tube to length so it bottoms out in the stop.
2. Place compression nut and sleeve onto the copper tube.
3. A drop of general purpose oil will make tightening easier.
4. If using a drop of oil or thread sealant be sure the threads are clean of any debris and that sealant is also free of any metal debris. **DO NOT USE** a putty, gasket material or thread seal tape.

