

# Installation instructions

## Supply Kit

Model No. 493-1, 493-3, 493X-1, 493X-2

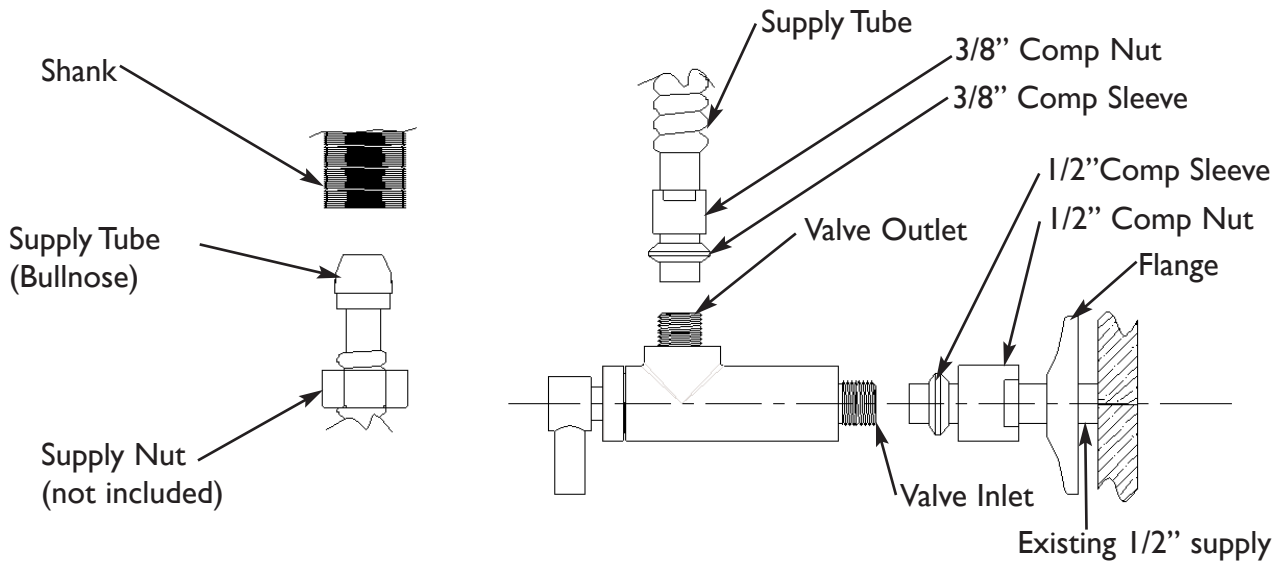
(for 1/2" Inlet x 3/8" Outlet)



### Recommended Installation by a Professional Plumbing Contractor

**! Warning:** This product is for use with type L or M copper only (must meet per ASTM B88). This product is not designed to connect directly to pex tubing. A well-round OD stub out is required if used with pex tubing.

1. Turn off water supply before installation.
2. Place Flange, 1/2" Compression Nut and Valve and sleeve over existing 1/2" copper pipe wall fitting.
3. Position valve outlet to allow for water supply hookup to faucet. Verify the valve outlet with supply tube installed is aligned with the faucet shank to ensure proper length.
4. Check length and alignment of supply tube between faucet shank to valve outlet, modify supply tube as necessary.
5. Slide supply nut, (not included) up to bull nose end of supply tube.
6. Tighten supply nut to faucet shank.
7. Place compression nut and sleeve onto inlet end of supply tube.
8. A drop of general-purpose oil will make tightening easier.
9. 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.
10. 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. **Warning:** Excessive thread sealant may cause joint to fail.
11. Hand tighten the compression nut onto the stop as far as it will allow.
12. Place protective tape on nut & tighten to valve outlet.
13. Using hand tools, tighten 3/4 turn from the hand tight position. **Note:** Make sure that the stop remains seated and square to the supply tube. If the stop is not square to the supply tube, this could affect the ability to get a good connection.
14. Turn on water supply. If leaks appear, check alignment and carefully re-tighten.



**Important notes for proper seal:**

- Supply Tube to have straight alignment into Shank & Valve Outlet.
- Any bending to tube shall be a minimum of 2" from either end.
- Allow for 1/2" excess length to slip into fitting after cutting.
- After cutting ensure Supply Tube is perfectly round and free of burrs.
- Avoid excessive bending of Supply Tube.

**Contents:** (1) Valve, (1) Supply Tube, (1) Flange, (2) Compression Sleeves, (2) Compression Nuts, (1) Nosecone Washer, (1) Friction Ring

**Tools required:** (2) adjustable wrenches, tube cutter, tube bender (if needed), protective tape