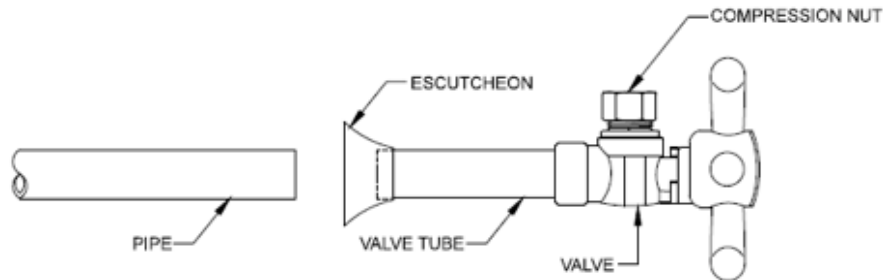


INSTALLATION INSTRUCTIONS

Sweat Fitting Installation

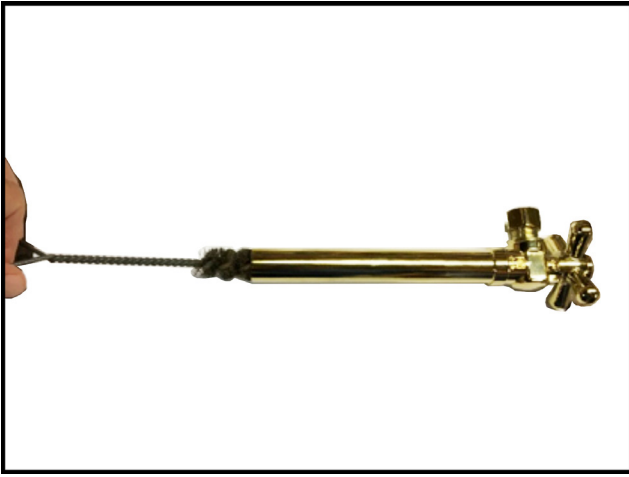
Part #'s: 316, 317, 582, 5826, 629, 630, 631, 635

JACLO[®]
Confidence from start to finish.™

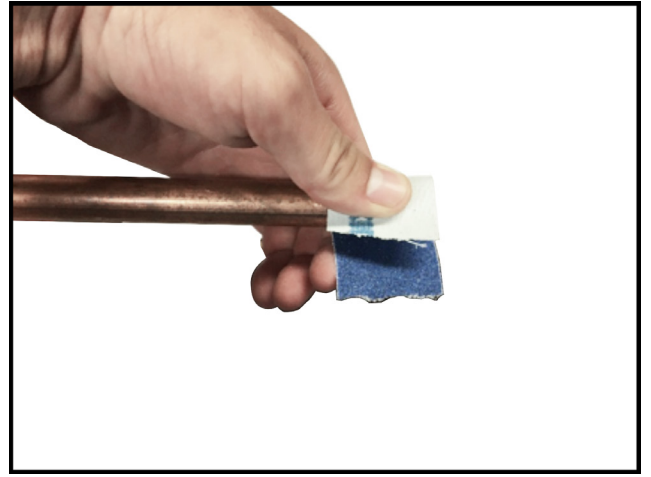


READ INSTRUCTIONS CAREFULLY PRIOR TO INSTALL

1. Shut off water supply. **Pipes must be dry for this process.**
2. Check tubing for dents, bends, putty or burrs and make sure it is cut square. Also stub should only come out of wall no more than 1.5 inches, to allow for a half inch penetration into the valve tube. Fix/cut accordingly.
3. Clean the end of the pipe that is being soldered with plumber's abrasive cloth or similar, removing loose particles. Also clean the inside of the tube of the supply valve with a metal brush. Can use emery cloth, steel wool, etc.
4. Slide the escutcheon on the valve tube with the small end facing the valve (shown in Images 11 & 12). Apply a light amount of flux (soldering paste) to clean end of pipe with a small brush. Also put flux on inside of the cleaned valve tube.
5. Attach the supply valve tube to the end of the water supply pipe for a minimum 1/2" and wipe off excess flux. Use a propane torch to heat the area where the pipes join uniformly. Do not apply heat directly to the flux and do not overheat the copper (will become discolored).
6. To tell if copper is hot enough, touch the solder to the pipe. If the solder begins to run into joint, the pipe is at soldering temperature. Apply a little bit of solder to pipe where it joins the fitting (solder should be applied on the opposite side of the flame). Solder should flow easily into the fitting. Keep soldering until solder appears completely around the circumference of the fitting. Do not apply excess amounts of solder; more is not necessarily better in this case.
7. After solder joint is completed, wipe away excess solder with a towel/rag and allow fitting to cool thoroughly.



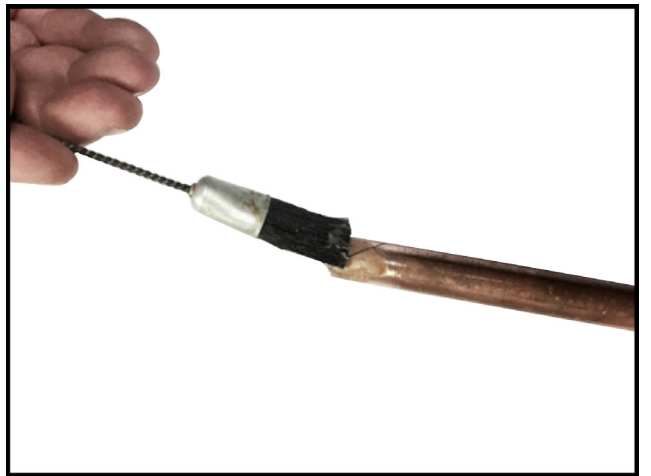
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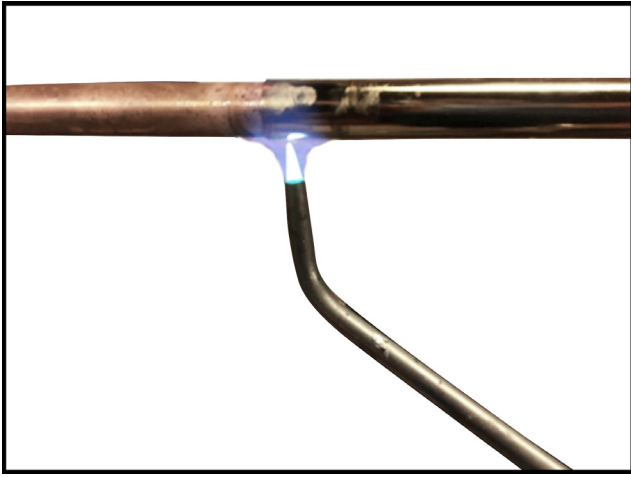
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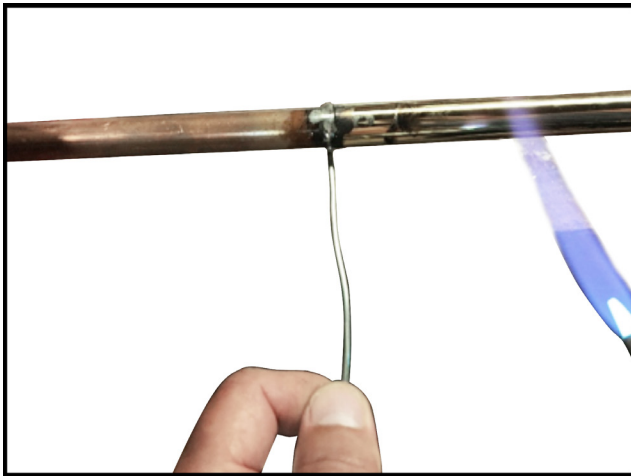
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11



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CARE INSTRUCTIONS

In order to maintain the high quality finish of JACLO products, please adhere to the following product care instructions:

Cleaning JACLO products: For routine cleaning, simply use a soft damp cloth and common household soap, then rinse and dry. Proper care of your product is important because most water contains calcium that deposits on surfaces, forming unpleasant spots. This can be avoided by routine cleaning and drying after every use. Use only mild soap based detergents.

Never use abrasive cleaners, bleach, disinfectants or cleaning products containing alcohol, ammonia, hydrochloric or phosphoric acids as they will damage the product finish.

Please note: Your product warranty may not be valid if the above cleaning guidelines are not followed.

The use of water softeners, which are loaded with salt, will destroy any finish in time. Use of water softeners void all warranties.

WARRANTY

Residential Warranty: Your new plumbing fixture is warranted by **JACLO INDUSTRIES**, 129 Dermody Street, Cranford, NJ 07016. This warranty is extended to original consumer purchasers only. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

The product (including the finish on the product but excluding any custom finishes and any installation hardware not supplied by JACLO) is warranted to be free from defects in material or workmanship under normal use and service for the lifetime* of the fixture, so long as the original consumer purchaser owns it. JACLO's sole obligation under this or any other warranty is limited to repairing or replacing at JACLO's option, without labor, any part or parts of the fixture which fall to conform to such warranty.

JACLO WILL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES CAUSED BY A BREACH OF THIS OR ANY OTHER WARRANTY.

Some states do not allow the exclusion of limitation of incidental or consequential damages, so the above limitation may not apply to you.

To secure warranty performance, the original consumer purchaser must have the fixture properly and professionally installed in accordance with all codes and installation instructions.

Items and actions that will void the JACLO warranty are:

- Abuse, misuse, neglect and accidental damage
- Improper cleaning care of maintenance of the fixture
- Alteration of the fixture in any way including removal of a flow regulator/restrictor

All warranty claims must be made in accordance with the JACLO return policy (see below).

JACLO does not authorize any distributor, retailer or other person to modify this warranty or assume any liability on its behalf with respect to it. Any question regarding the operation of warranty should be addressed to JACLO's warranty department.

*Due to the unpredictable environment, all kitchen drains, strainers and garbage disposal flanges are warranted for the period of one year from date of purchase from an authorized JACLO dealer

Commercial Warranty: JACLO extends the above warranty for a period of one year from date of purchase to purchasers of products for industrial, commercial, business and all non-private residential uses.

To learn more about JACLO's warranty, please visit [**jaclo.com**](http://jaclo.com)