

# Tub / Shower 3 Valve Rough

## Installation Instructions

Model No. I-501

Recommended Installation by a Professional Plumbing Contractor

NOTE: Use Teflon tape or equivalent to seal all threaded port joints.

Warning: To prevent severe damage to valve body, any solder/braze process must be performed a min. of 4" from ports.

1. Turn off water to valve.
2. Slide union nuts onto copper supply pipes and solder/braze union tailpieces onto copper supply pipes.
3. Tighten union nuts onto valve body. Check the level of valve body assembly.
4. Connect end device lines to the 1/2" NPT outlet ports.
5. Turn on water supply, pressurize system and check for leaks.
6. Install escutcheon/bonnet trim and mark the all-thread nipple where excess needs to be trimmed.
7. Remove escutcheon/bonnet trim and cut all-thread nipple 1/16" less than indicated mark to prevent exposure of nipple threads.
8. Cut cartridge stem at least 1/2" past the end of the cut all-thread nipple. Final stem length may vary based on individual handle base insertion. (See diagram for cylinder style handle exception.)
9. Reinstall escutcheon/bonnet trim and handle.
10. Secure handle into place by tightening handle setscrew.

NOTE: To achieve desired handle rotational alignment, the cartridge MUST be tightened in a clockwise rotation only, remove stem from cartridge and reposition on cartridge spline.

(Cartridge Bonnet factory torque is 14 ft-lbs.)

