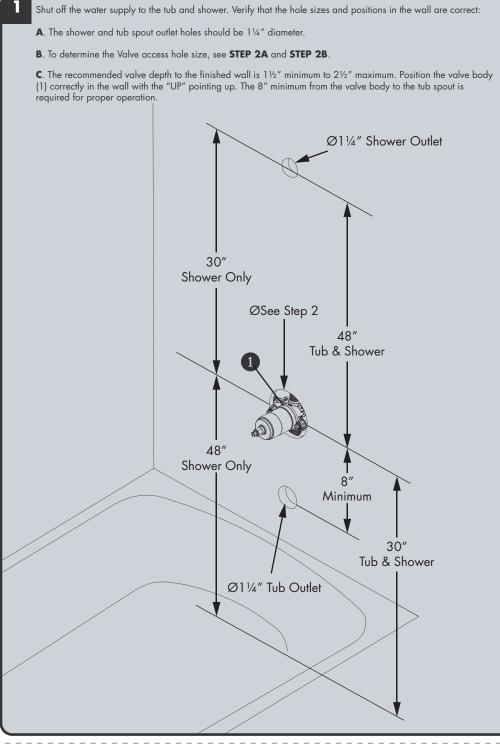
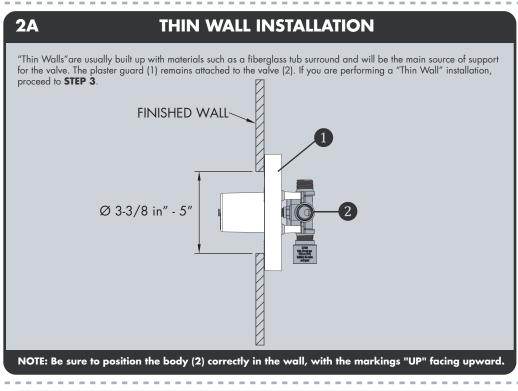
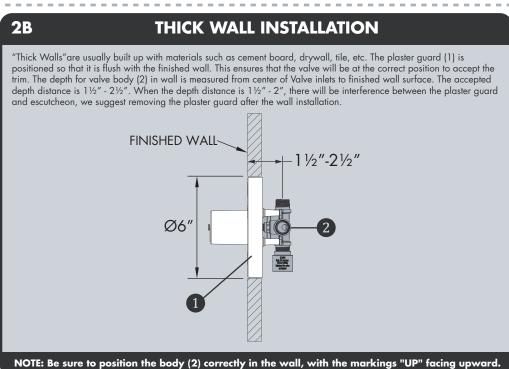
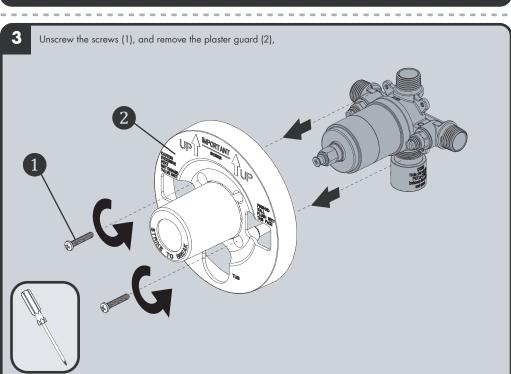


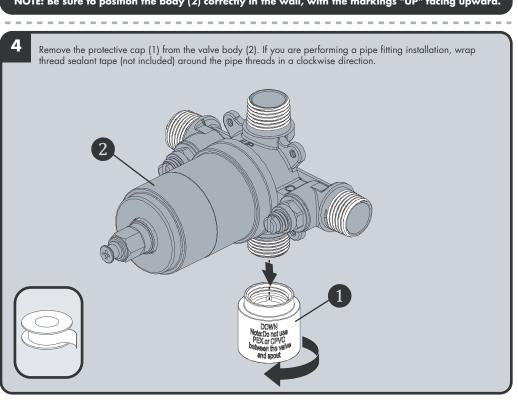
Additional warranty information can be found at:





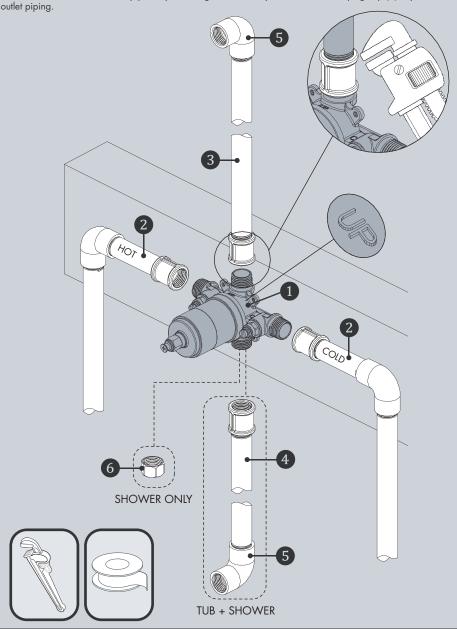






PIPE FITTING INSTALLATION

Connect the hot and cold water supply lines (2), not included, the shower outlet pipe (3), not included, and tub outlet pipe (4), not included, by threading them into the valve body (1) in a clockwise direction. Tighten the pipes to the valve body (1) with a pipe wrench (not included). Connect the pipe elbows (5), not included, to the end of the shower outlet and tub outlet pipes. If performing a shower only installation, install plug cap (6) in place of tub outlet pipes.

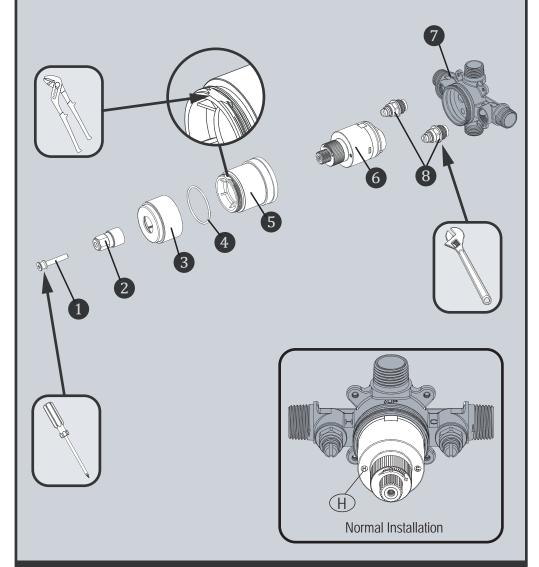


NOTE: The hot water supply lines go into the H inlet, and the cold water supply lines go into the C inlet. Do not use PEX or CPVC between the valve and spout.

COPPER SWEAT INSTALLATION

When performing a Copper Sweat installation, it is recommended that you remove the Valve Cartridge (6), and Valve Stops (8) to prevent damage during soldering. Remove Screw (1), Inverter (2), Sleeve (3), and O-Ring (4). Use Slip Joint Wrench on the machined flats of Bonnet (5) to unthread the Bonnet (5) from Valve Body (7). Remove Valve Cartridge (6) from Valve Body (7). Unthread and remove Valve Stops (8) using Adjustable Wrench or Socket Wrench.

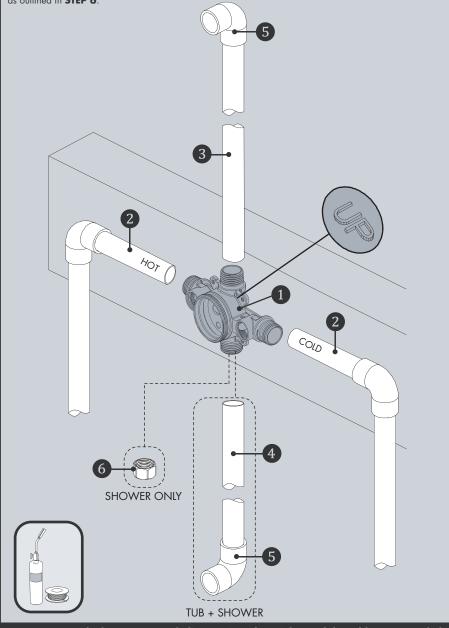
After soldering (STEP 7) is completed, Install the Valve Cartridge (6), making sure that the key is fully engaged with the slot in the Valve Body (7), with the "H" marking to the left side as shown below. Slide Bonnet (5) over the Valve Cartridge (6) and thread onto the Valve Body (7). Tighten securely with Slip Joint Wrench on the machined flats of the Bonnet (5). Final torque should be 88-106 IN*LBS. Take care to not over tighten connection or damage may occur. Reassemble O-Ring (4), Sleeve (3), Inverter (2) and Screw (1). Reinstall Valve Stops (8) and wrench tighten to 70-106 IN*LBS.



NOTE: Never install the valve body upside down!

COPPER SWEAT FITTING INSTALLATION

Connect the hot and cold water supply lines (2), not included, the shower outlet pipe (3), not included, and tub outlet pipe (4), not included, by soldering them into the valve body (1). Connect the pipe elbows (5), not included, to the end of the shower outlet and tub outlet pipes. If performing a shower only installation, install plug cap (6) in place of tub outlet piping. Verify that all connections are soldered. Reassemble Valve components as outlined in **STEP 6**.



NOTE: The hot water supply lines go into the H inlet, and the cold water supply lines go into the C inlet. Do not use PEX or CPVC between the valve and spout.

BACK TO BACK INSTALLATION

If you are not making a reverse or back to back installation, skip this step, and continue with **STEP 9**. If the HOT and COLD inlets are reversed (HOT on right and COLD on left), disassemble Valve components as outlined in **STEP 6**. Remove and rotate cartridge (6) 180° so "H" appears on the right. Install the Valve Cartridge (6) making sure that the key is fully engaged with the slot in the Valve Body (7). Slide Bonnet (5) over the cartridge and thread onto the body. Tighten securely with Slip Joint Wrench on the machined flats of the Bonnet (5). Final torque should be 88-106 IN*LBS. Take care to not over tighten connection or damage may occur. Reassemble O-Ring (4), Sleeve (3), Inverter (2) and Screw (1).

