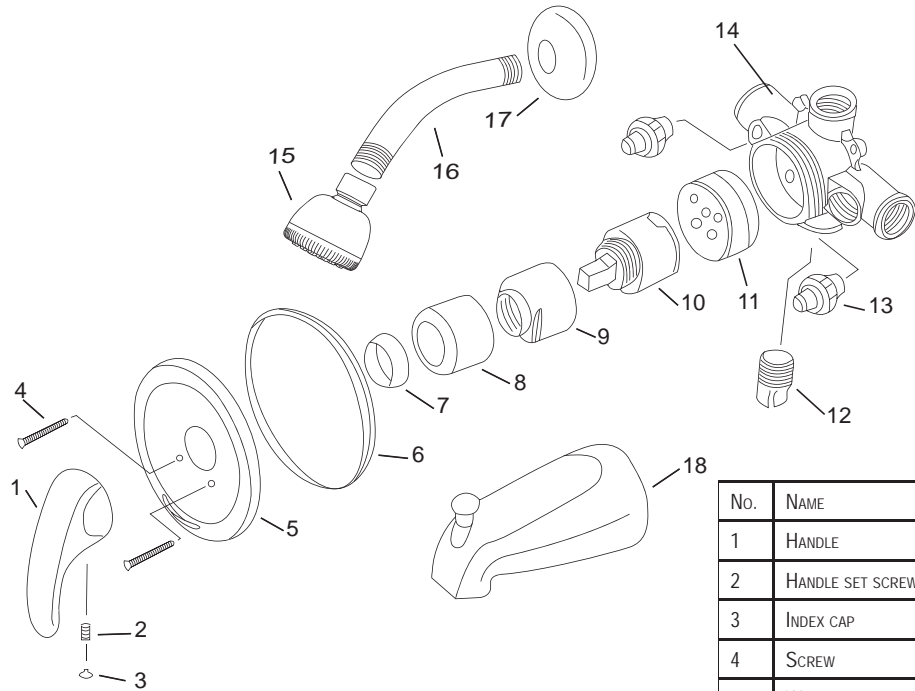


Limited Lifetime Warranty

Valterra Products, LLC warrants our faucets against defects in material or workmanship for the life of your faucet, ordinary wear and tear excluded. Should any faucet, part or parts thereof prove defective, contact Valterra Products, LLC at 800-806-6159 for repair assistance or return authorization. Repair or replacement will be made without charge. Liability for consequential damages under any and all warranties are excluded to the extent such exclusion is permitted by law. Some states do not allow exclusion or limitation and exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights with vary from state to state.



No.	NAME
1	HANDLE
2	HANDLE SET SCREW
3	INDEX CAP
4	SCREW
5	WALL FLANGE
6	RUBBER SEAL
7	DOMES CAP
8	SLEEVE
9	HUB
10	CARTRIDGE
11	SPOOL HOUSING
12	1/2" IPS PLUG
13	INTEGRAL STOP
14	VALVE BODY
15	SHOWERHEAD
16	SHOWER ARM
17	FLANGE
18	TUB SPOUT

NOTE: Actual parts for your faucet may not look like those shown here. This illustration is for the purpose of identifying the name and placement of parts.

*Asterisked parts are not standard on all models.

Valterra Products, LLC
Mission Hills, CA 91346
1.800.806.6159
www.valterra.com

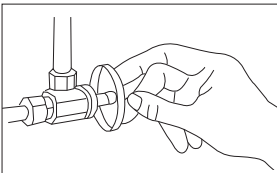


Making Water Work Beautifully



Pressure Balance Tub/Shower Valve

1

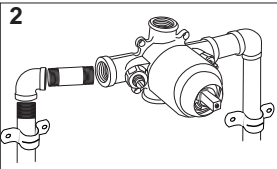


1. SHUT OFF SUPPLY

Shut off hot and cold water supply lines and remove old fittings, if any. Cut hole in wall to fit black plaster ground. Plaster ground face to be flush with finished wall.

Note: For thin wall installations, cut a 4" diameter hole and leave the plaster ground assembled to the valve.

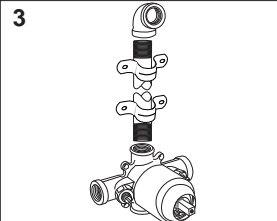
2



2. CONNECT SUPPLY LINES

Connect water supply lines; hot water to left and cold water to right. Strap piping to backer boards to prevent valve movement.

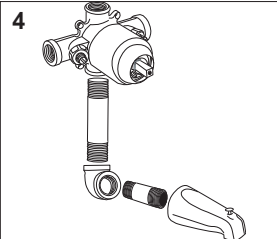
3



3. INSTALL SHOWER SUPPLY

Install 1/2" shower supply line (not included) to center connection on valve assembly and to a 1/2" pipe elbow (not included) at desired shower height. Apply two right hand turns of Teflon® tape to all IPS joints. **For shower only installation, plug bottom outlet.**

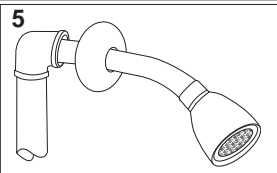
4



4. ASSEMBLE TUB SPOUT SUPPLY

Assemble 1/2" tub spout supply line to 1/2" elbow (not included). Screw this assembly into bottom opening of valve assembly. The bottom edge of the tub spout discharge must be 2" above the flood rim of the tub. Attach tub spout to elbow. Apply two right hand turns of Teflon® tape to all IPS joints. **For tub only installation, plug top outlet.**

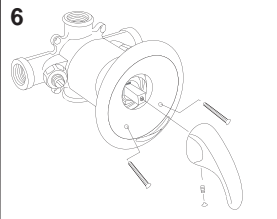
5



5. INSTALL SHOWER ARM & FLANGE

Place flange over long end of shower arm and apply two right hand turns of Teflon® tape to threads on end. Screw into elbow at the shower supply line. The shower head can now be attached to the shower arm. **SEE CAUTION**

6



6. INSTALL WALL FLANGE

Slip flange over valve cover and screw into valve body.

7. FLUSH LINES

To flush water lines, let faucet run fully open through tub spout (unless unit is shower only) for one minute each in the hot and cold positions.

8. ADJUST TEMPERATURE LIMIT STOP

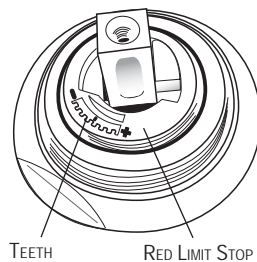
Before attaching the handle, adjust the temperature limit stop. Follow the directions below and **NOTE THE CAUTION**.

9. ATTACH HANDLE

Slip handle onto stem and screw securely into place using the screw provided. Snap on plug button, red color (hot) on left.

TEMPERATURE LIMIT STOP

Your Phoenix shower valve comes with a temperature limit stop installed to ensure the water coming from the shower or tub spout doesn't become too hot or too cold. It may be necessary



to adjust the limit stop if maximum water temperatures are too hot or too cold. NOTE: Allowing maximum hot water temperature to exceed 120F can result in scalding.

ADJUSTING THE LIMIT STOP

- » Turn the water on full hot and let it run until its as hot as its going to get.
- » Place a thermometer in a plastic cup and hold it under the running water. If the temperature is above 120°F you will need to decrease the temperature. If its below 120°F you can increase it.

TO CHANGE THE TEMPERATURE:

- » Remove the handle and Dome cap to expose the cartridge stem.
- » Remove the red limit stop (it should pull straight out with your fingernails) and rotate it one tooth at a time. One tooth equals approximately 6 degrees in temperature.

TO DECREASE THE MAXIMUM HOT WATER TEMPERATURE:

- » Remove the limit stop and rotate it counter-clockwise the appropriate number of teeth to reach 120°F.

TO INCREASE THE MAXIMUM HOT WATER TEMPERATURE:

- » Remove the limit stop and rotate it clockwise the appropriate number of teeth to reach 120°F.

Recheck the maximum hot water temperature.

Reassemble the handle.

OPERATING INSTRUCTIONS

- » Pulling on the lever handle opens the ceramic cartridge and causes water to flow out of the tub spout or shower head. The degree of handle opening determines the volume of water flow.
- » Moving the lever counter clockwise increases cold water flow. Moving the lever clockwise increases hot water flow. Pushing the lever in closes the ceramic cartridge and stops the water flow.
- » The faucet's comfort zone insures a safe and reliable adjustment of mixed water temperatures. The lever handle provides simple and easy control for the young, elderly and disabled.

» CAUTIONS:

» TEMPERATURE LIMIT STOP

Maximum discharge water temperature **MUST BE TESTED AND ADJUSTED**. According to industry standards, the maximum allowable water discharge temperature is 120°F. Typical temperatures for comfortable bath or shower are 90° to 110°F. Any change in the setting may raise the discharge temperature above the limit considered safe and may lead to hot water burns. This valve does not automatically adjust for inlet temperature changes. Further adjustments may be necessary due to seasonal water temperature change. **SEE ADJUSTING THE LIMIT STOP SECTION FOR DIRECTIONS**

HELPFUL HINTS

- » Be especially careful when screwing threaded connections together. Do not tighten any connection if the parts are not threading evenly. Unscrew the parts and start over.
- » Although Phoenix faucets are 100% tested for proper functioning, problems may arise after installation due to sediment and impurities which are found in all water systems. In new installations, copper filings, solder, pipe joint compound or other sealing compounds and sand are commonly found. Older systems usually contain a considerable build-up of lime scale deposits. During installation, these impurities may be loosened from existing pipes, carried by flowing water and possibly clog your faucet upon first use. Due to these existing conditions in most pipe systems, we recommend you flush the newly installed faucet as outlined in the installation steps.

» CLEANING TIPS

The finish on your Phoenix faucet is designed to retain its beautiful sheen for years. To maintain the original look of the finish, we recommend the use of mild soap and water to clean the faucet. **THE USE OF ABRASIVE CLEANERS MAY SCRATCH THE FINISH.**