

# Pressure Balance Valve

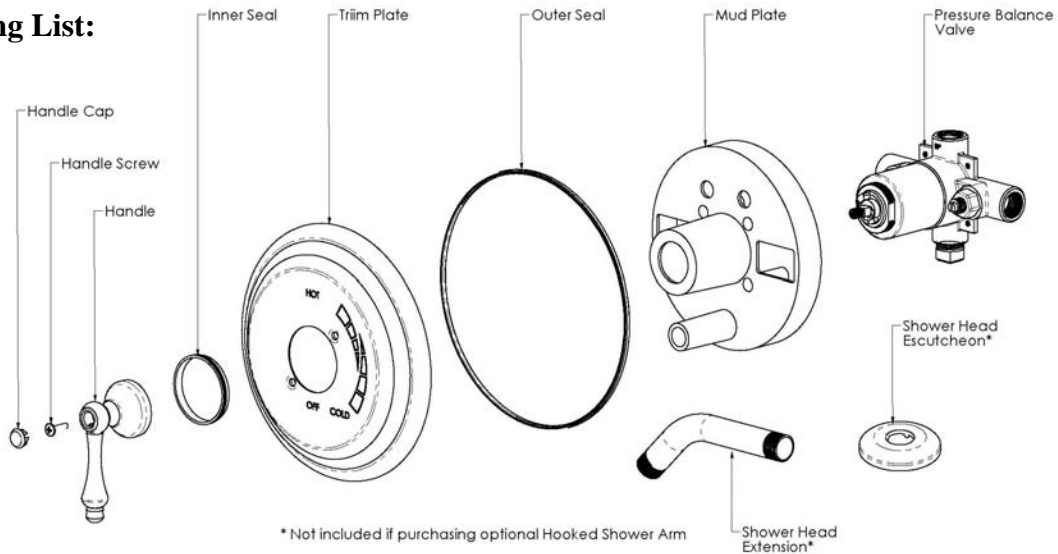
## Installation Instructions



### Tools Required:

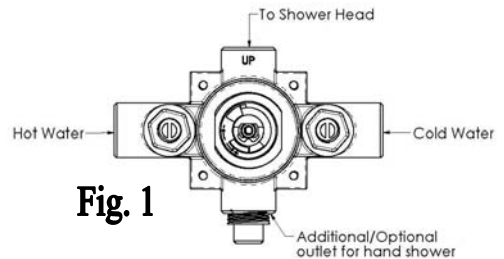
- Screw Driver
- Tubing Cutter
- Teflon Tape or Joint Compound
- Adjustable Wrench
- Channel-lock Pliers
- Needle Nose Pliers
- Measuring Tape
- Safety Goggles

### Packing List:

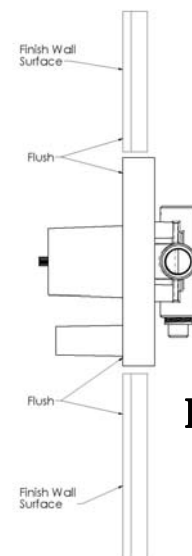


### Installation:

1. Flush all piping thoroughly to remove all dirt and debris from inside the pipes.
2. Shut off the water supply.
3. Make sure the mud plate is screwed snugly to the valve. Position the valve so the "UP" is facing upward towards the head shower outlet (Fig. 01).
4. Make the proper measurements to determine the depth at which to position the valve. The face of the mud plate should be flush with the face of the **finished** wall when completed (Fig. 02).
5. Connect the water supply pipes to the inlets. The valve has 1/2" NPT pipe threads. You must use Teflon tape or joint compound on all threaded fittings. Use the appropriate connectors to attach the pipes. If facing the valve, connect the hot water to the left side of the valve and the cold water to the right side of the valve (Fig. 01).
6. Determine the position of the head shower outlet. Make the appropriate measurements and connect it to the top outlet of the valve.
7. Check to make sure the bottom outlet on the valve has a brass plug in it. If it does not you must install one. Use Teflon tape or joint compound.
8. When all pipe connections are finished test the system for leaks. Remove the mud plate and make sure valve is in off position. Slowly turn on the water supply. Check for leaks.
9. Get a bucket to catch the water from the head shower outlet and connect the handle to the valve. Turn on the water and check for hot and cold operation. Check again for leaks.

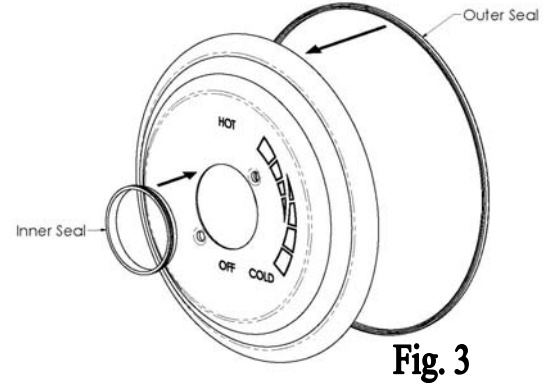


**Fig. 1**



**Fig. 2**

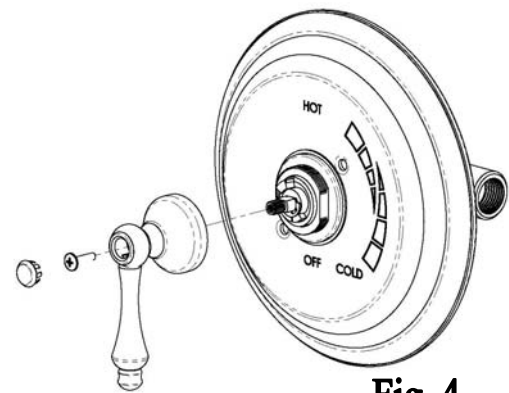
10. If all is well, turn off the valve and water supply.
11. Locate the trim plate outer seal and place on the outside edge of the trim plate (Fig. 03).
12. Locate the trim plate inner seal and install on the inside hole of the trim plate. The larger side of the seal goes towards the inside of the trim plate (Fig. 03).
13. Slide the trim plate over the valve so the HOT label is facing up. Using your fingers, get both screws started and aligned before final tightening.
14. Install the handle on the valve making sure the handle is positioned straight down in the off position.
15. Use the screw provided and screw the handle into position (Fig. 04).
16. Place the handle cap on the handle by applying pressure (Fig. 04).
17. Once you have finished the installation turn on the water supply and allow the shower to run on for three minutes. Check for and repair any leaks.



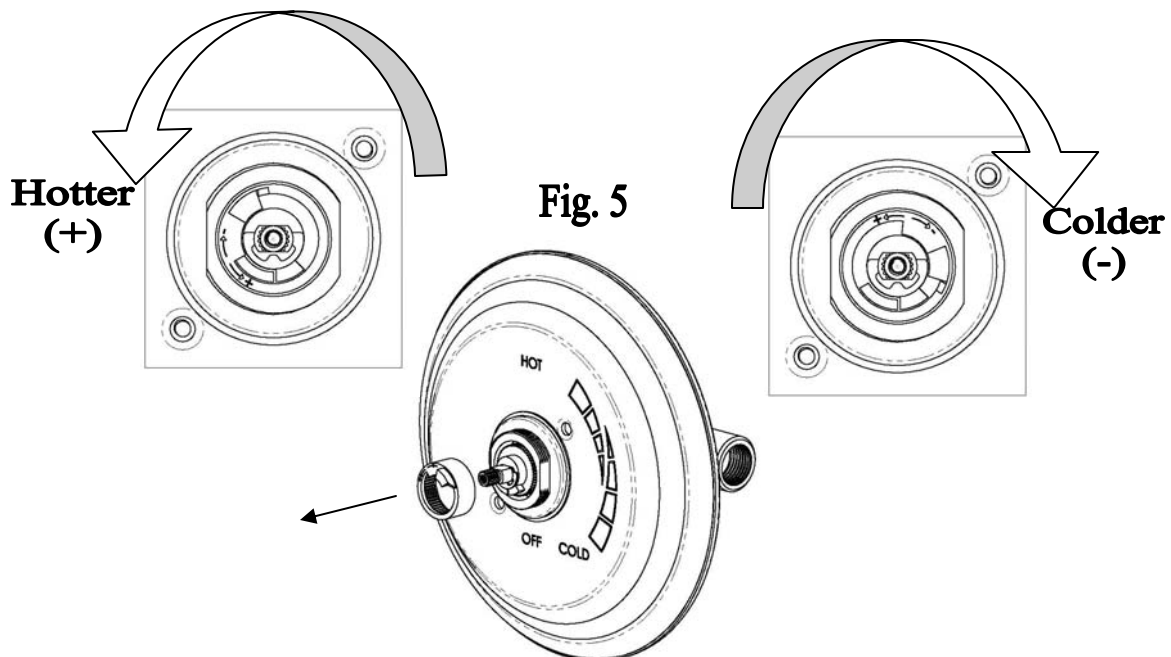
**Fig. 3**

Note: The valve is equipped with an adjustable temperature regulator to protect against scalding. Depending on your water supply system this may need adjustment. This adjustment can be made at anytime, even after the shower system has been completely installed.

18. To adjust the temperature regulator remove the handle.
19. Using pliers pull the temperature regulator ring straight out towards the handle. Rotate the ring counter clockwise for hotter operation and clockwise for colder operation (Fig. 05). We suggest only making slight adjustments at a time.
20. Push the ring back onto the valve in the new position.
21. Install the handle on the valve.
22. Test the shower for hot and cold operation. Continue to adjust the ring until you reach your temperature requirements.



**Fig. 4**



**Fig. 5**