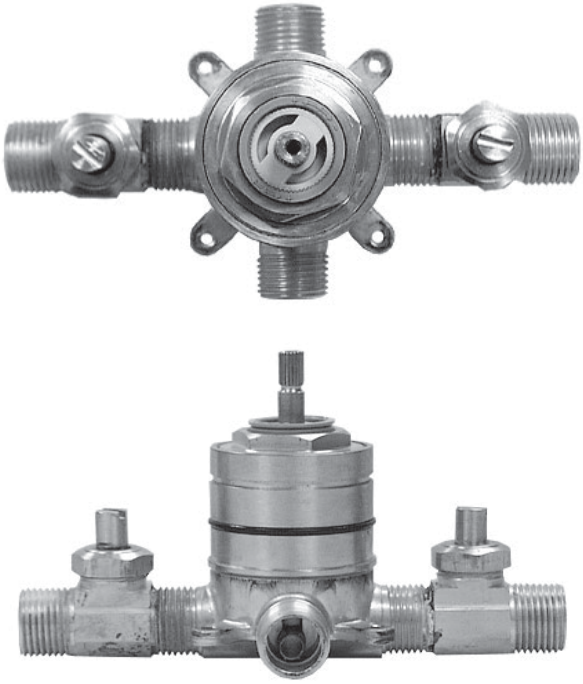
COVENTRY
BRASS WORKS LIMITED

Pressure Balance Valve Installation Instructions



LEAVE FOR HOME OWNER

Care Instructions:

The Coventry Brassworks Product you have just purchased is designed to provide you with long lasting beauty and dependability. To ensure your product's longevity, please follow the following care instructions.

When installing, we recommend you lay all parts on a soft cloth or towel to avoid scratching or damaging the product. To care for your fitting, wipe with a clean, soft, damp cloth and blot dry as often as possible. Never use abrasive cleansers, sponges, or acidic cleaning products as these may damage the finish and may VOID THE WARRANTY.

INSTALLATION INSTRUCTIONS FOR PRESSURE BALANCE VALVE

ROUGH-IN OF VALVE AND ASSEMBLY AND TRIM

1. Rough valve body into wall, connecting piping to 1/2" Female copper sockets or 1/2" Male I.P. nipples. **(SEE FIGURE 1)**
IMPORTANT: NOTE "UP AND DOWN" MARKINGS ON BACK OF VALVE.

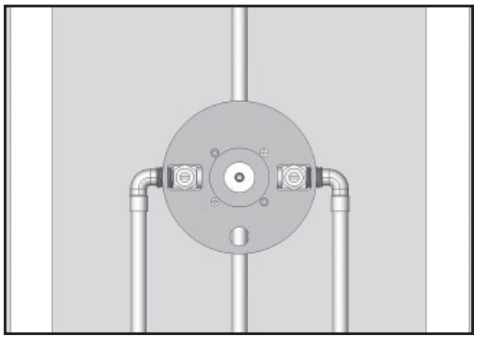


Figure 1

2. The depth of rough-in should account for thickness of wall materials to be used (Combined thickness of wall board and finished wall material) . Face of guard should be positioned to be flush with finished wall surface. **(SEE FIGURE 2)**

3. Anchor installation to bracing between studs (Ears on the valve body can be used for this by removing the plastic guard) - Otherwise, anchor the connection piping.

4. Valve should be pressurized and tested for leaks at the connections.

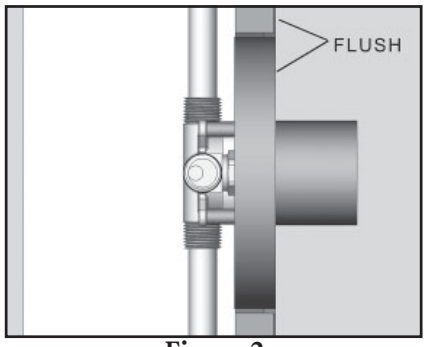


Figure 2

5. Plastic guard should be left attached to the valve until the finished wall material is installed.

6. After wall is finished, remove plastic guard and replace with trim sleeve and escutcheon plate. **(SEE FIGURE 3)** Orient handle so that lever is pointed down toward "Off" position.

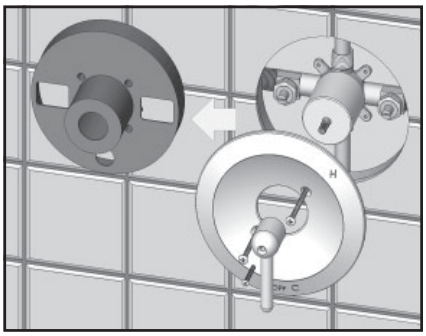


Figure 3

IMPORTANT!!! SETTING HOT LIMIT STOP

The removal of the warning label barrier on the face of this mixing valve constitutes the transfer of liability from the manufacturer to the installer under the laws of the United States. It is the installer's reponsibility to set the maximum output temperature of the valve to no more than 120°, in accordance with ASSE/ANSI standard 1016 - 1996 dealing with individual thermostatic, pressure balancing and combination pressure balancing and thermostatic control valves for individual fixtures Section 4.2.2., temperature limit setting.

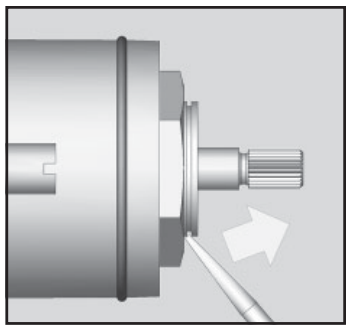


Figure 4

To properly set the limit ring, you must use a thermometer or calibrated sensing device to accurately measure the outlet water temperature. The adjustment ring is positioned as follows:

1. Expose the top of the cartridge by removing the trim sleeve from the valve body. **DO NOT** remove the hex nut holding it in place.

2. Remove the grey adjustment ring by placing the blade of a knife into the groove and prying it off. **(SEE FIGURE 4)**

3. **NOTE:** The stop tab on the bottom of the ring **(SEE FIGURE 5)**. The further it is re-oriented in a counter-clockwise direction, the shorter the travel allowed (and thus, the lower the temperature output possible).

IMPORTANT!!! BEFORE RE-ORIENTING THE RING, BE SURE THE STEM IS IN THE FULL OFF POSITION.

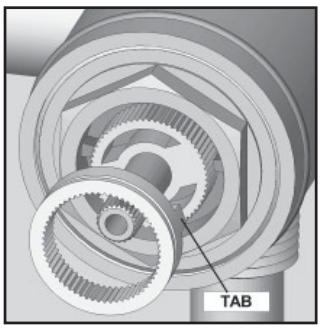


Figure 5

REVERSING CARTRIDGE FOR BACK-TO-BACK INSTALLATIONS ONLY

When a valve is installed with reversed supply connections (Typically in a Back-to-Back situation), the cartridge can be reversed to allow normal operation. **(SEE FIGURE 6)**

1. Remove trim sleeve to expose top of valve.

2. Loosen and remove hex nut above cartridge.

3. Remove cartridge from valve cavity.

4. Look into cavity to see upper and lower locating holes for cartridge pin on the floor of the cavity.

5. Re-insert cartridge, aligning the pin with lower locating hole (Partially cutaway by discharge opening).

6. Press cartridge in firmly to assure that pin has been properly inserted.

7. Secure cartridge by tightly re-assembling the hex nut.

8. Re-assemble trim.

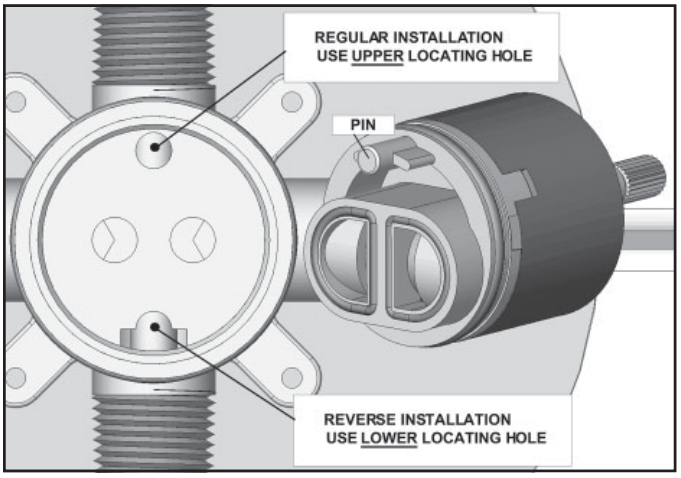


Figure 6

REPLACING CARTRIDGE

SAME PROCEDURE AS ABOVE, REVERSE IF NECESSARY.