

INSTALLATION INSTRUCTIONS

P23115, P23116, P23215,
P23216, P24515, P24516,
P24615, P24616

INSTALLATION INSTRUCTIONS

IMPORTANT INSTRUCTIONS

⚠ WARNING: Risk of scalding or other severe injury.

- Before completing installation, the installer must set the maximum water temperature setting of this valve to minimize the risks associated with scalding hazards according to ASTM F 444.
- Do not install a shut-off device on either outlet of this valve. The installation of any such device may create a cross-flow condition at the valve and affect the water temperature.
- Factors that change the temperature of the water supplied to the valve, such as seasonal water temperature changes, and water heater replacement or servicing, will change the maximum water temperature supplied by the valve and may create a scalding hazard. The pressure-balanced valve **will not** compensate for changes in the water supply temperature; adjust the maximum water temperature setting of this pressure-balanced valve when such changes occur.
- Pressure-balanced valves may not provide protection against scalding if there is a failure of other temperature-limiting devices elsewhere in the plumbing system.

NOTICE: Only apply silicone based lubricants to these valves. Do not use petroleum based lubricants. Petroleum based lubricants will harm the O-rings, seals, and plastic components.

The installer is responsible for installing the valve and adjusting the maximum water temperature of this pressure-balanced valve according to instructions.

This valve meets or exceeds ANSI A112.18.1 and ASSE 1016.

If you do not understand any of the installation or temperature adjustment instructions in this document, in the United States please contact 1-888-4KALLISTA. Outside the U.S., please contact your distributor.

IMPORTANT NOTICE TO INSTALLERS! Please fill in the blanks in the adjacent box and on the valve label. Then insert these instructions into the plastic bag included with the valve package, and attach the plastic bag to the valve handle for the homeowner's reference.

NOTICE TO HOMEOWNERS! This device has been preset by _____ of _____ to ensure a safe maximum temperature.

Any change in the setting may raise the discharge temperature above the limit considered safe, and lead to scalds.

Date: _____

THANK YOU FOR CHOOSING KALLISTA

We appreciate your commitment to KALLISTA quality products. Please take a moment to review this manual before you install your KALLISTA product. If you encounter any installation or performance problems, please do not hesitate to contact us at the phone number listed at the bottom of the page.

INSTALLATION INSTRUCTIONS

BEFORE YOU BEGIN

-  **Risk of scalding or other personal injury.** If the water temperature is set too high, scalding will occur. The water temperature should never be set above 120°F (49°C).
-  **CAUTION: Risk of product damage.** Do not force the handle in any direction. Forcing the handle will damage the valve.
- Observe all local plumbing and building codes.
- Shut off the main water supply.
- The finished wall or bath/shower unit must be installed prior to installing this trim.
- Install the spout and/or showerhead according to the manufacturers instructions prior to installing this trim.
- When testing the water temperature, if there is no spout, test the water using the shower arm.
- The appearance of your product may differ from what is shown in these instructions, however, the installation procedure is the same.
- KALLISTA reserves the right to make revisions in the design of products without notice, as specified in the Price Book.

TOOLS AND MATERIALS



Adjustable
Wrench



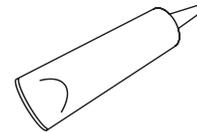
Assorted
Screwdrivers



Thread
Sealant



Plumbers
Putty

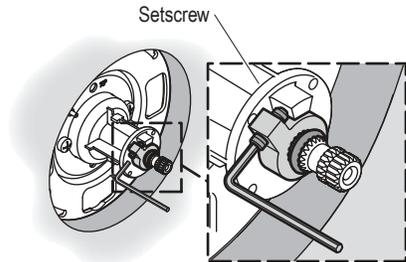


Silicone Sealant

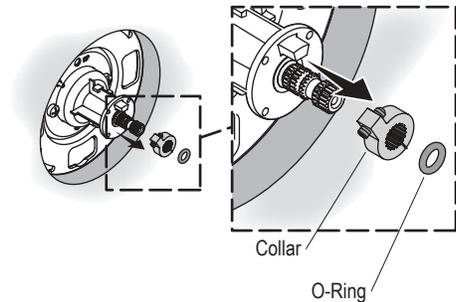
INSTALLATION INSTRUCTIONS

1. ADJUST THE WATER TEMPERATURE

- Turn the valve clockwise to the full open position.
- After several minutes, check the temperature at the spout or shower arm.
- For minor temperature changes, adjust the setscrew and recheck the temperature.

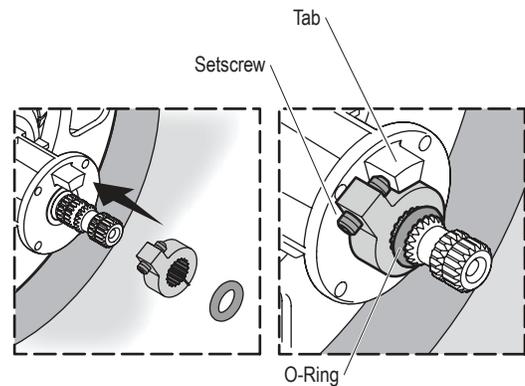


- For major temperature changes, remove the O-ring and the collar.
- Slowly turn the valve stem to adjust the maximum water temperature.



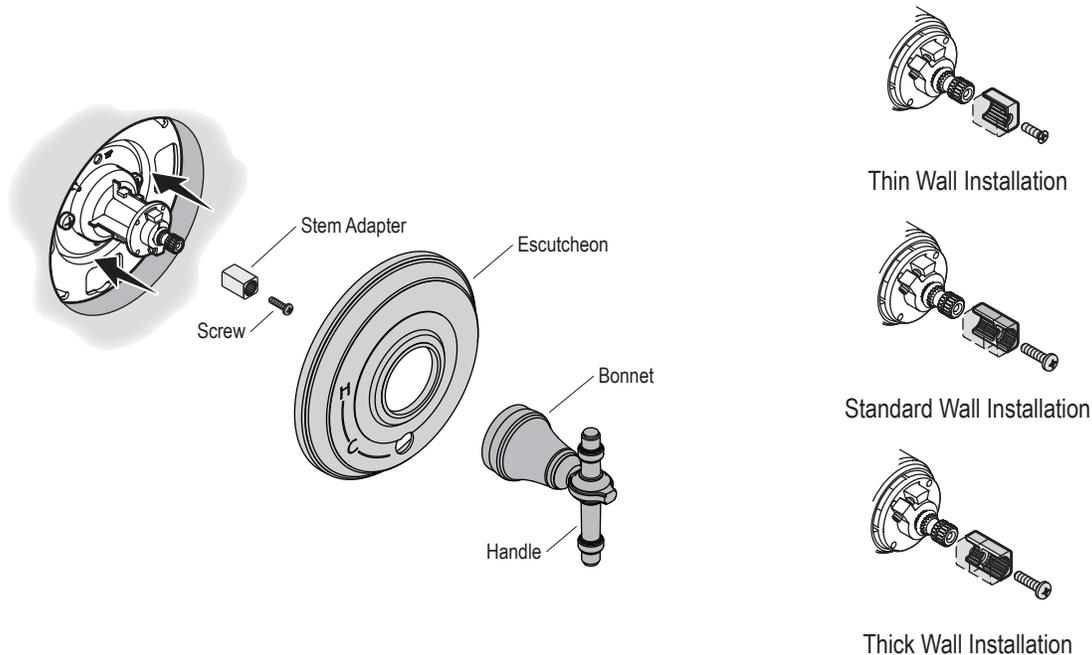
- Reinstall the collar with the setscrew against the tab.
- Reinstall the O-ring.
- Recheck the temperature.

The water temperature should never be set above 120°F (49°C)!



INSTALLATION INSTRUCTIONS

2. INSTALL THE STEM ADAPTER



NOTE: The hardware pack with some trims only contains one stem adapter and one screw.

- Remove and discard the plaster guard and/or dome, if installed.
- Turn the valve stem counterclockwise to the “OFF” position.
- Install the stem adapter. Begin with the thick wall installation.
- Place the escutcheon over the valve opening in the wall.
- Engage the square inside the bonnet into the square of the stem adapter. The escutcheon should be held tight against the wall.
- If the stem adapter is too long or the handle bonnet is not tight against the escutcheon, turn the stem adapter around and try the standard wall installation. If the stem adapter is still too long, use the stem adapter for the thin wall installation (if it is provided).
- Remove the handle and escutcheon. Set the escutcheon aside.
- With the handle oriented in the “OFF” position, engage the spline inside the bonnet into the spline in the valve stem and verify correct handle alignment.

NOTE: The handle alignment can be adjusted by removing the handle and valve stem. Rotate the valve stem one tooth and replace. Replace the handle and check the alignment. Repeat this procedure until the handle alignment is satisfactory.

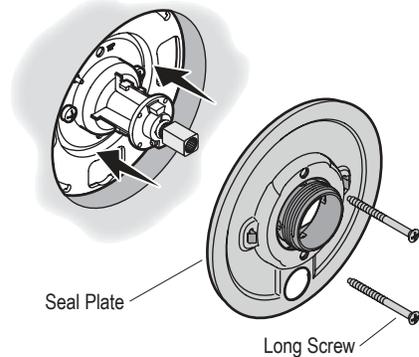
- When proper handle alignment is achieved, remove the handle and set aside. Fasten the stem adapter to the valve with the appropriate screw.

INSTALLATION INSTRUCTIONS

3. INSTALL THE SEAL PLATE (NO DIVERTER)

- ❑ For installation over a tiled wall, apply a bead of silicone sealant around the back edges of the faceplate.
- ❑ Slide the seal plate onto the valve. Position and secure as shown. Do not overtighten.

Important: With P29303, Use the 1-5/8" screws. The 2-3/8" screws will damage the valve.

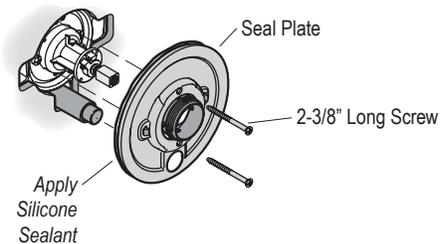
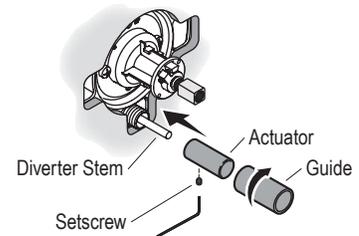


4. INSTALL THE SEAL PLATE (WITH DIVERTER)

For Trims P23116 & P24516:

NOTE: If the diverter stem has an E-clip and an O-ring, these must be removed before the actuator and guide can be installed.

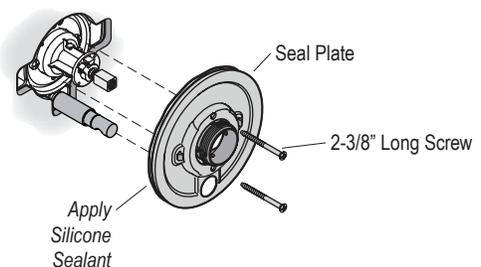
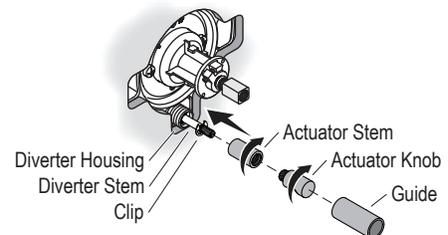
- ❑ Position the actuator over the diverter stem. Secure with the setscrew.
- ❑ Thread the guide onto the diverter stem.
- ❑ For installation over a tiled wall, apply a bead of silicone sealant around the back edges of the faceplate.
- ❑ Slide the seal plate onto the valve. Position and secure as shown. Do not overtighten.



For Trims P23216 & P24616:

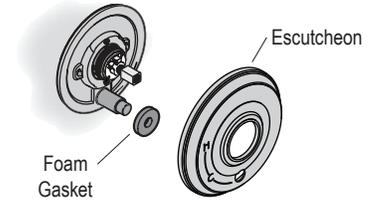
NOTE: The diverter stem must have the E-clip and O-ring in place, before the actuator and guide can be installed.

- ❑ Unscrew the actuator knob from the actuator stem.
- ❑ Place the actuator stem over the diverter stem. Use a slotted screwdriver to hold the diverter stem stationary and thread the actuator stem onto the diverter stem until it bottoms out.
- ❑ Hold the actuator stem with one hand and thread the actuator knob into it with the other hand.
- ❑ Thread the guide onto the diverter housing.
- ❑ For installation over a tiled wall, apply a bead of silicone sealant around the back edges of the faceplate.
- ❑ Slide the seal plate onto the valve. Position and secure as shown. Do not overtighten.



INSTALLATION INSTRUCTIONS**5. INSTALL THE ESCUTCHEON**

- Install the foam gasket (if used).
- Place the escutcheon over the seal plate with the drain notch located at the bottom.

**6. INSTALL THE HANDLE**

- Ensure that the valve is in the “OFF” position.
- Attach the handle by holding the handle in the “OFF” position and threading the bonnet on clockwise. The escutcheon should be held tight against the wall.

