

Installation and Care Guide

Bath and Shower Valve

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Español, página "Español-1"

1128093-2-F

THE BOLD LOOK
OF **KOHLER**®

IMPORTANT INSTRUCTIONS

READ AND SAVE FOR THE CONSUMER



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-balancing valve **will not** compensate for changes in the water supply temperature; adjust the maximum water temperature setting of this pressure-balancing valve when such changes occur.
- Pressure-balancing valves may not provide protection against scalding if there is a failure of other temperature-limiting devices elsewhere in the plumbing system.



WARNING: Cancer and Reproductive Harm –
www.P65Warnings.ca.gov

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-balancing 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 our Customer Care Center at **1-800-4KOHLER**. Outside the U.S., please contact your distributor.

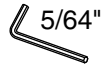
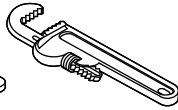
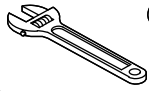
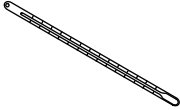
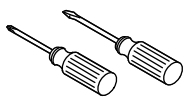
IMPORTANT INSTRUCTIONS (cont.)

IMPORTANT NOTICE TO INSTALLERS! Please fill in the blanks in the information box below and on the valve label. Retain this information for future reference.

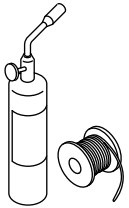
NOTICE TO HOMEOWNERS! This device has been preset by _____ of _____ to ensure a safe maximum temperature. Any change in the setting may raise the discharge temperature above the limit considered safe, and lead to scalds.

Date: _____

Tools



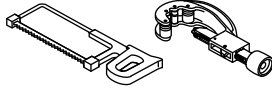
5/64"
Hex Wrench



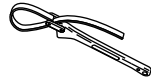
Solder



Sealant Tape



Hacksaw or Tubing Cutter



Strap Wrench

Important Information



WARNING: Risk of scalding. High water temperature can cause severe burns. Set the water temperature at or below 120°F (49°C) following the adjustment procedure.

NOTICE: Do not force the handle in any direction. Forcing the handle will damage the valve.

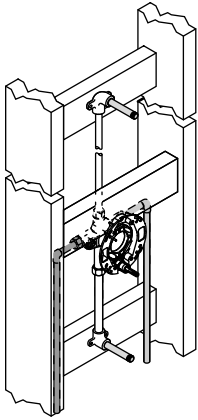
NOTE: The primary outlet is the outlet that the water will flow from when the valve is turned on. Water will flow from the secondary outlet when the diverter is pressed.

Important Information (cont.)

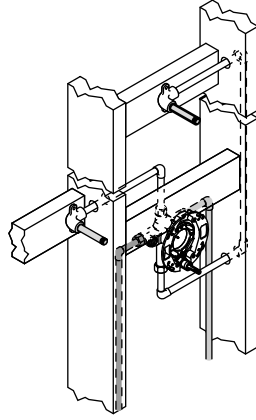
- This valve can be used for two different installation configurations: 1) Bath Spout (primary) with Showerhead or Handshower (secondary) and 2) Showerhead (primary) with Handshower (secondary). See the "Installation Options" section for example piping options. Follow only the instructions that apply to your chosen installation.
- This valve can be used for thin and thick wall installations. Thin wall installations are typically fiberglass and acrylic. Thick wall installations are typically tile, plaster, marble, or other similar material.
- Observe all local plumbing and building codes.
- Shut off the water supply.

Installation Options

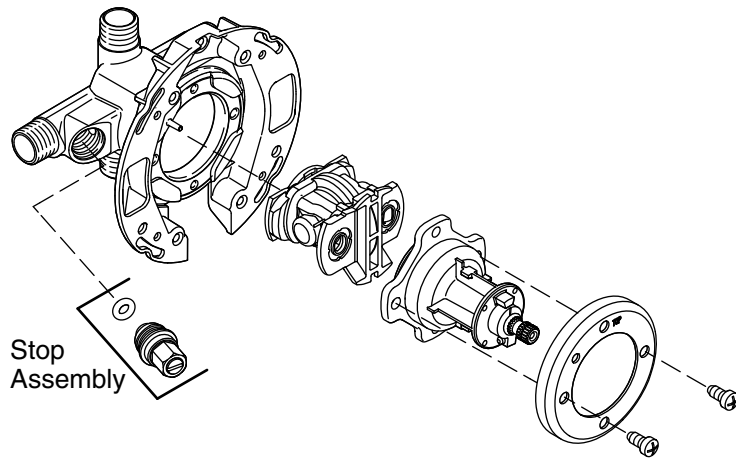
1 Bath as Primary Outlet



2 Showerhead as Primary Outlet



Preparation



1. Prepare the Valve

IMPORTANT! The internal components of the valve will only need to be removed for back-to-back installations (reversed valve only) or installations that require soldering of connections.

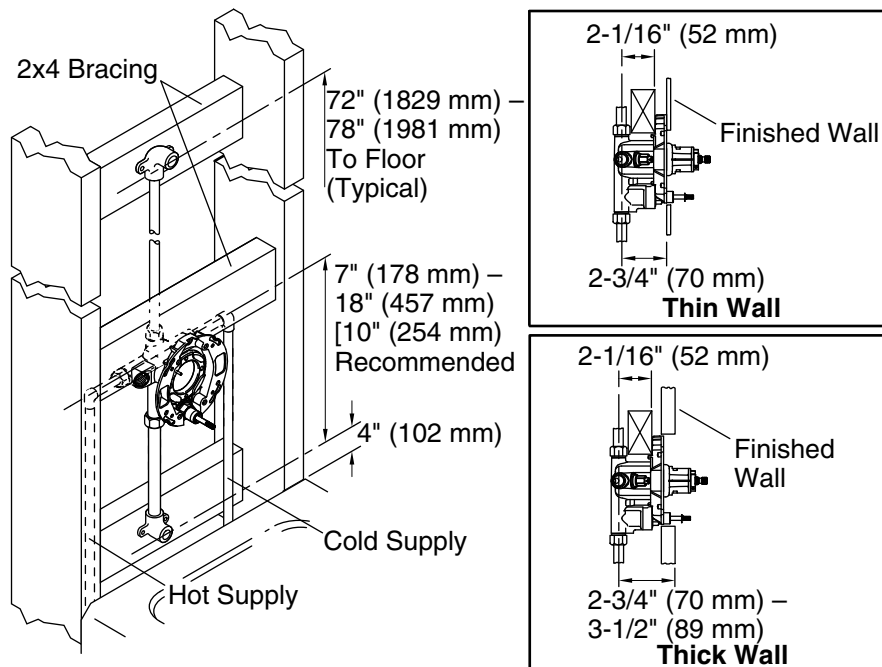
NOTE: Only valves with stops will include the stop assembly.

Installations Requiring Soldering

- Remove the plaster guard (not shown).
- Remove internal valve components as shown and set aside.

Back-to-Back Installations

- Remove the plaster guard (not shown).
- For the reversed valve, remove internal components as shown and set aside. The stop assembly does not need to be removed if soldering is not needed.



2. Roughing-In

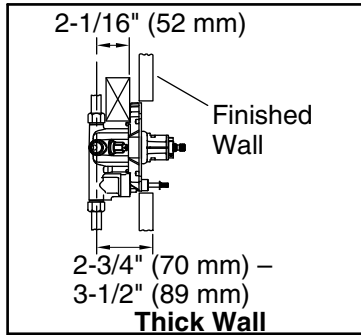
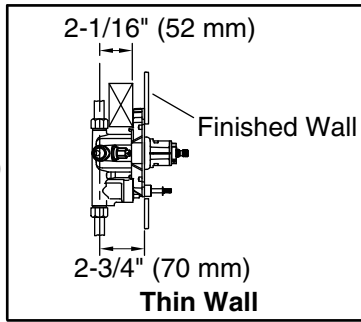
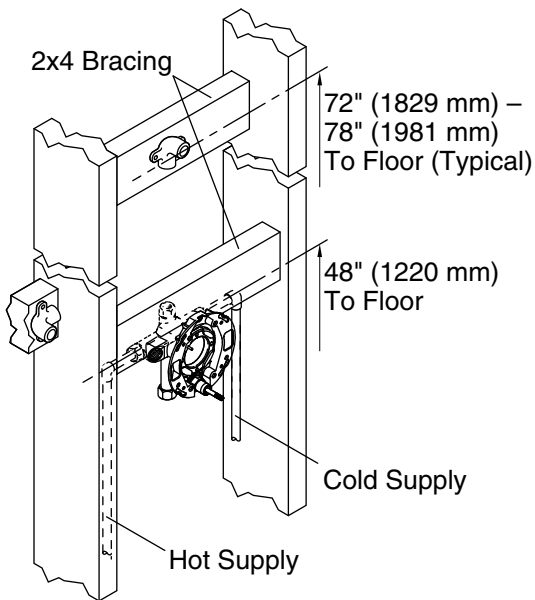
Showerhead/Bath Spout Installations

For Back-to-Back Installations: Proceed to the "Install the Supply Piping and Valve, Back-to-Back" section.

- Route the supplies and install the valve. Refer to the roughing-in illustration for your installation.

NOTE: The position of the 2x4 bracing is dependent on the thickness of your finished wall.

- Install 2x4 bracing behind the plate as shown.
- Install bracing at the showerhead and bath spout outlet installation locations.
- Connect the water supplies using 1/2" copper, CPVC, or PEX components. Use thread sealant on all threaded connections.
- Proceed to the "Route the Piping" section for your installation configuration.



3. Roughing-In

Showerhead/Handshower Installations

For Back-to-Back Installations: Proceed to the "Install the Supply Piping and Valve, Back-to-Back" section.

- Route the supplies and install the valve. Refer to the roughing-in illustration for your installation.

NOTE: The position of the 2x4 bracing is dependent on the thickness of your finished wall.

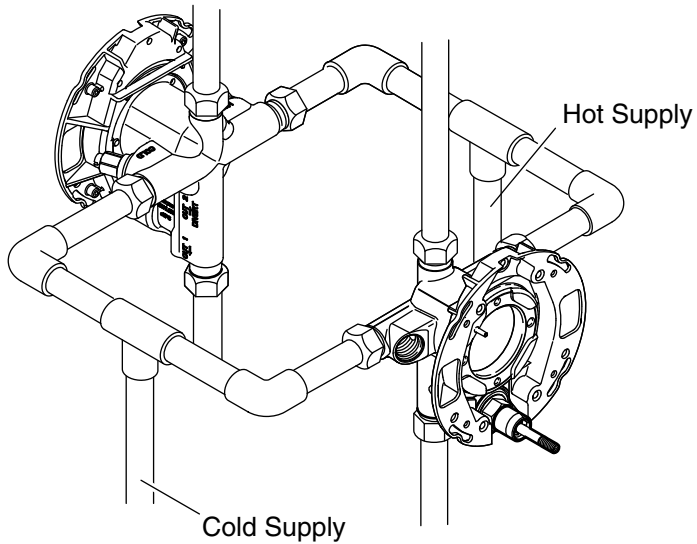
- Install 2x4 bracing behind the plate as shown.

NOTE: The outlet positions are dependant on your particular installation and may differ from the illustration shown.

- Install bracing at the showerhead and handshower outlet installation locations.
- Connect the water supplies using 1/2" copper, CPVC, or PEX components. Use thread sealant on all threaded connections.

Roughing-In (cont.)

- Proceed to the “Route the Piping” section for your installation configuration.



4. Install the Supply Piping and Valve

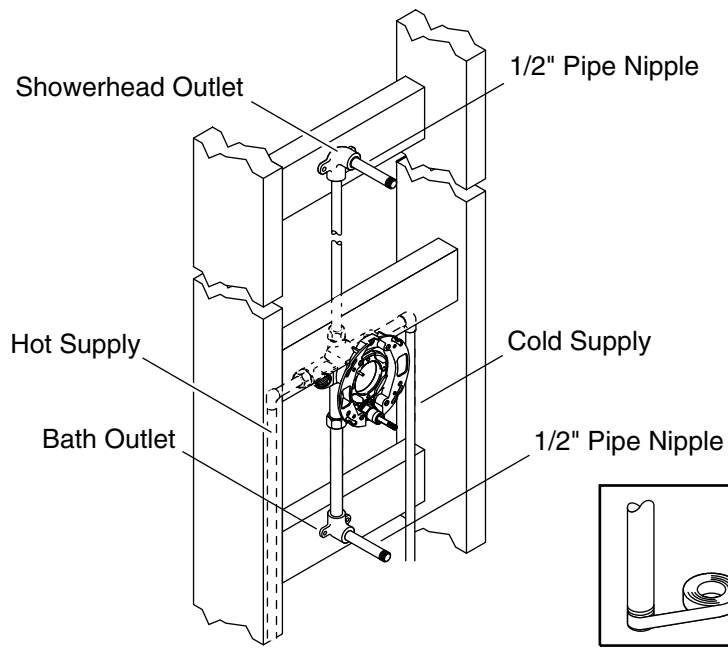
Back-to-Back Installation

NOTICE: Do not install the valve body upside down.

- Route the supplies and install the valves. Refer to the roughing-in illustration for your installation.

NOTE: One valve will have reversed supply connections, hot supply to "COLD" inlet and cold supply to "HOT" inlet.

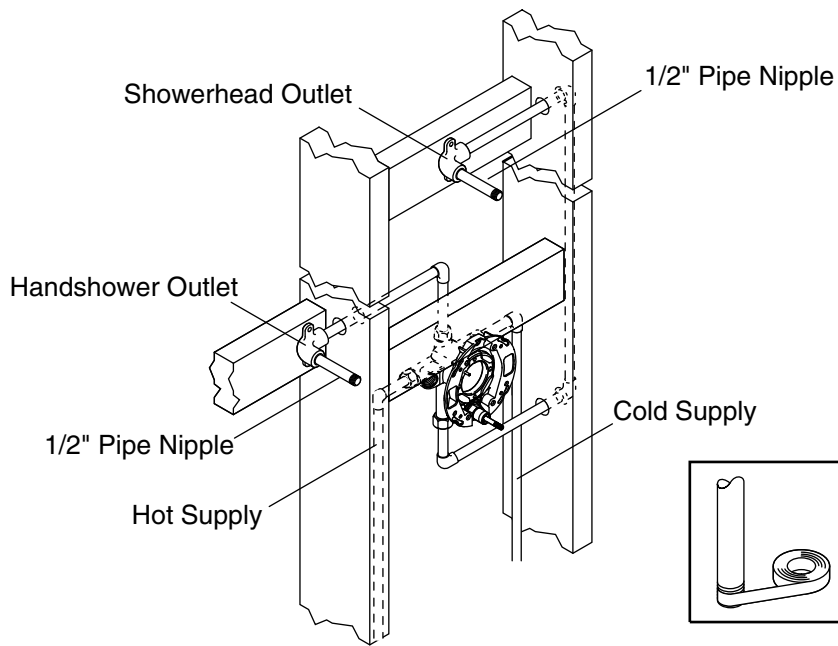
- Connect the water supplies as shown. Use sealant tape on all threaded connections.
- Install 2x4 bracing behind the plate (not shown).
- Proceed to the "Route the Piping" section for your installation configuration.



5. Route the Piping

Bath Spout as Primary Outlet

- Install piping and elbows to the bath and showerhead installation locations. Use thread sealant on all threaded connections.
- Secure the piping to the framing.
- Solder all needed connections.
- Temporarily install 1/2" pipe nipples to the elbows so they will extend at least 2" (51 mm) beyond the finished wall.
- Install caps to both pipe nipples.
- Proceed to the "Reassemble the Valve" section.

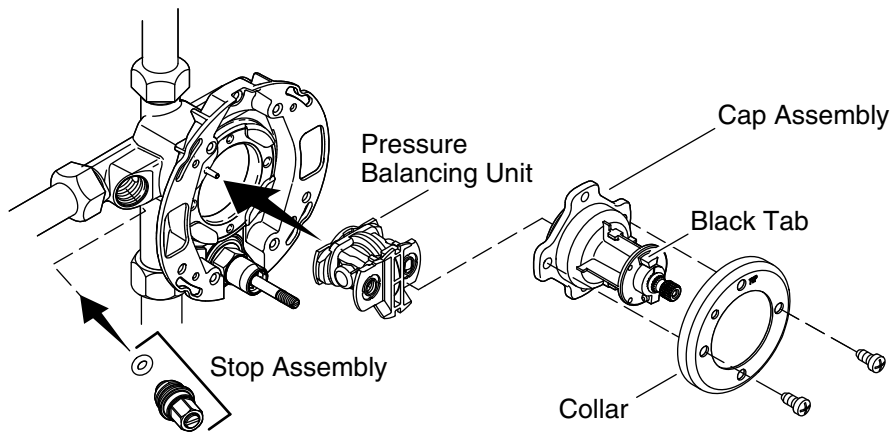


6. Route the Piping

Showerhead as Primary Outlet

NOTE: Illustration shows the recommended piping configuration. Piping may need to be modified to accommodate your specific site.

- Install piping and elbows to the showerhead and handshower supply locations. Use thread sealant on all threaded connections.
- Secure the piping to the framing.
- Solder all needed connections.
- Temporarily install 1/2" pipe nipples to the elbows so they will extend at least 2" (51 mm) beyond the finished wall.
- Install caps to both pipe nipples.
- Proceed to the "Reassemble the Valve" section.



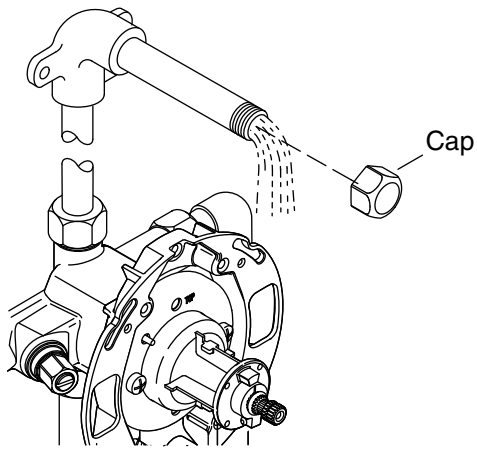
7. Reassemble the Valve

Solder Installations Only

- Slowly open the water supply and flush the lines and valve body before assembling the internal components. Turn off the water supply.
- Reinstall the stop assembly (certain models) and the pressure balancing unit.
- For reversed valves in back-to-back installations proceed to "Back-to-Back Installations Only."
- Reinstall the cap assembly with the black tab oriented up.
- Install the collar and secure with the screws.

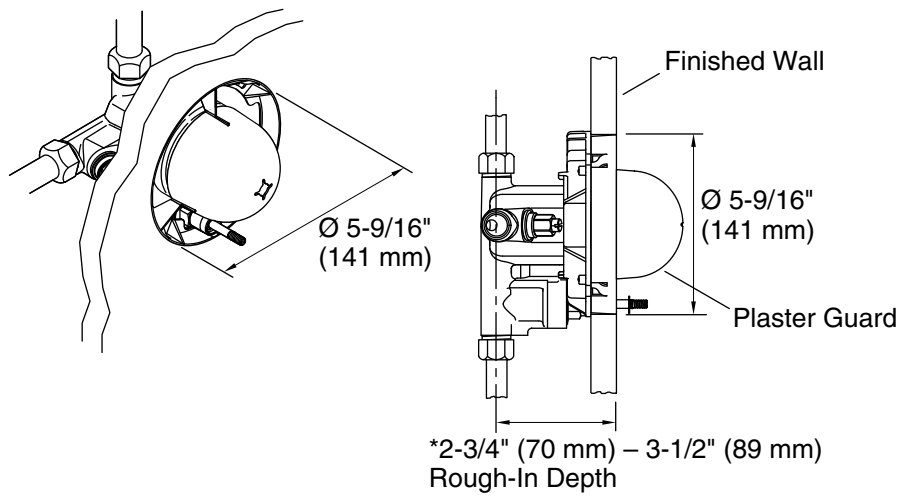
Back-to-Back Installations Only

- The cap assembly for the reversed valve **only** will need to be reinstalled, with the black tab oriented **down**, to the valve with the reversed supply connections. Install the cap assembly to the second valve with the black tab oriented up.
- Install the collar and secure with the screws.



8. Flush the System

- Remove the cap from one of the pipe nipples.
- Turn the valve stem clockwise to the full open position. Water will flow from the uncapped outlet.
- Turn the valve stem counterclockwise to close.
- Reinstall the cap.
- Repeat for the second pipe nipple.
- Reinstall the cap.



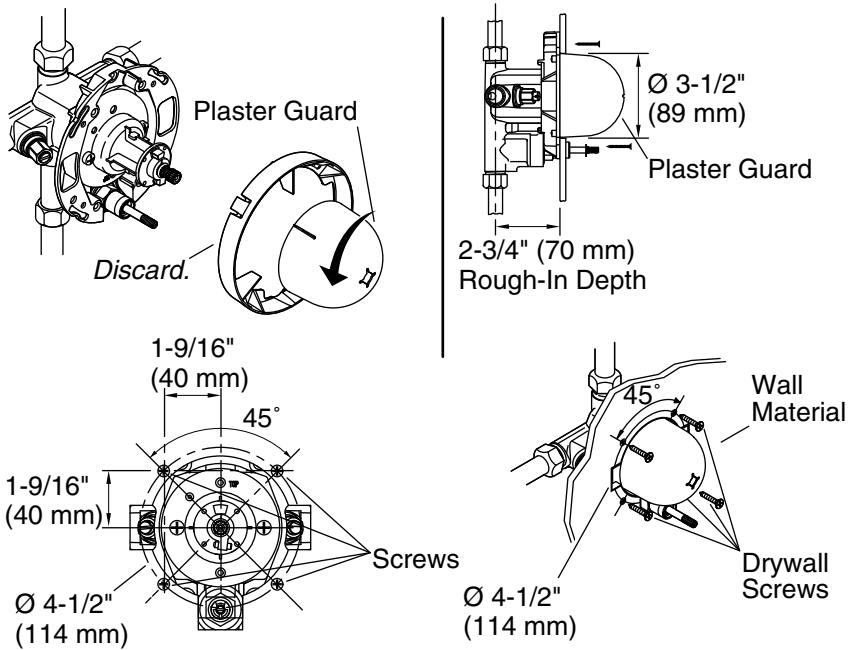
*** Refer to the valve trim specification sheet
for roughing-in dimensions.**

9. Install the Finished Wall

Thick Wall

NOTE: The plaster guard can be used as a guide for marking the cut out.

- Cut a 5-9/16" (141 mm) hole in the wall material.
- Install the finished wall material.
- Leave the plaster guard in place at this time.



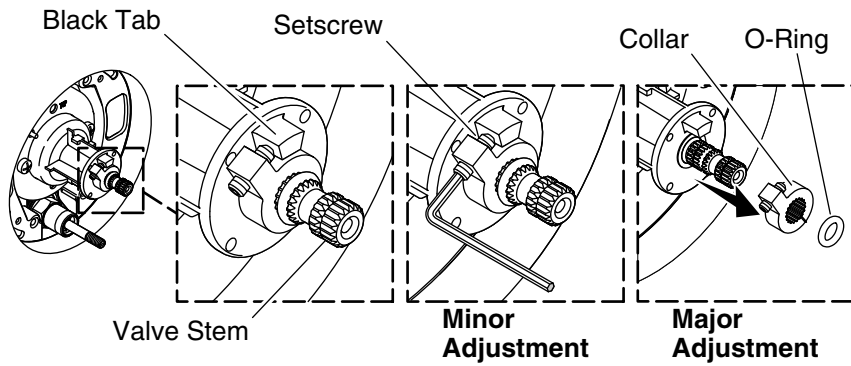
10. Install the Finished Wall

Thin Wall

- Twist the dome of the plaster guard to separate it from the outer ring. Discard the outer ring.
- Slide the dome over the valve stem.

NOTE: The plaster guard dome can be used as a guide for marking the cut out.

- Cut a 4" (102 mm) hole in the wall material.
- For valves with stops:** Using the holes in the valve backplate as a guide, cut openings for the stops.
- Secure the wall material to the valve backplate at the locations shown.
- Leave the plaster guard dome in place at this time.



Temperature Limiting Adjustment



WARNING: Risk of scalding. High water temperature can cause severe burns. Set the water temperature at or below 120°F (49°C) following the adjustment procedure.

- Turn the valve stem clockwise to the full open position. Allow the water to run for several minutes.
- Using a thermometer, check the water temperature.
- Turn off the water.

Minor Temperature Adjustment

- Using a hex wrench, turn the setscrew clockwise to lower the temperature and counterclockwise to raise the temperature.
- Recheck the water temperature.

Major Temperature Adjustment

- Remove the O-ring and collar from the valve stem.
- Slowly turn the valve stem until the water temperature is 120°F (49°C) or less.
- Leave the water running at the desired maximum temperature and reinstall the collar with the setscrew positioned against the tab.
- Turn off the water.
- Reinstall the O-ring.