

INSTALLATION

G U I D E

KALLISTA
RITE-TEMP™
PRESSURE-
BALANCING
VALVE & TRIM

KALLISTA®

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

This valve meets or exceeds ANSI A112.18.1M (all valves) and ASSE 1016 (pressure-balanced valves only).

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

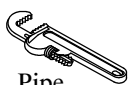
IMPORTANT: Please fill in the blanks below and on the valve label. Then insert these instructions into the plastic bag included with the valve package, and attach the plastic bag to the valve handle for the owner's reference.

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: _____

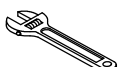
PRESSURE-BALANCED VALVES ONLY

- Pressure-balanced valves may not provide protection against scalding if there is a failure of other temperature-limiting devices elsewhere in the plumbing system.
- 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.

RECOMMENDED TOOLS AND MATERIALS



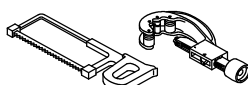
Pipe
Wrench



Adjustable
Wrench



Strap
Wrench



Hacksaw or
Tubing Cutter



Assorted
Screwdrivers



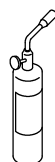
Plumbers
Putty



Thread
Sealant



Solder



Propane
Torch

BEFORE YOU BEGIN



CAUTION: Risk of product damage. Valve contains plastic components. Do not apply excessive heat if you solder the valve connections.

- Observe all local plumbing codes.
- The valve shuts off by water pressure. Do not force the handle in any direction. To turn the valve off, gently turn it to the “Off” position.
- Flush all piping thoroughly before installing this Rite-Temp valve.
- Do not use plastic pipe between the Rite-Temp valve and the spout. Use 1/2” nominal copper tube or 1/2” iron pipe.
- Do not connect a deck-mount spout, diverter, or hand shower to the spout outlet unless you cap the shower outlet on the valve.
- Install a pipe or tube in a straight drop of 7 to 18” with only one elbow between the valve and the wall-mounted spout. Other types of installation may cause unsatisfactory shower performance.
- We recommend that you determine if the maximum water temperature is acceptable prior to installing trim. If temperature adjustment is needed, refer to the Adjustments section.
- The valve shuts off by water pressure. Do not force the handle in any direction. To turn the valve, off, gently turn it to the “Off” position.

1. PREPARE SITE

ROUGH-IN PLUMBING

Shut off the main water supply.

Install or relocate the supplies as necessary.

NOTE: If the bath has been installed, cover it to prevent damage to the bath surface.

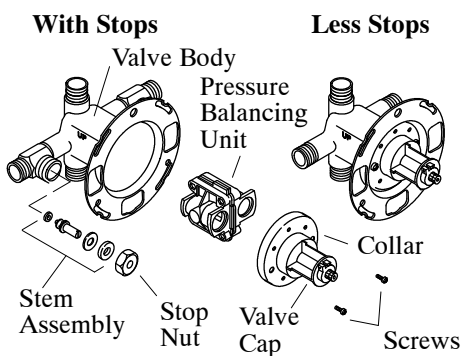
SUPPORT FRAMING

Determine the location of the valve, and install the support framing.

NOTE: To improve clarity, the plaster guard dome is not shown in some of the illustrations.

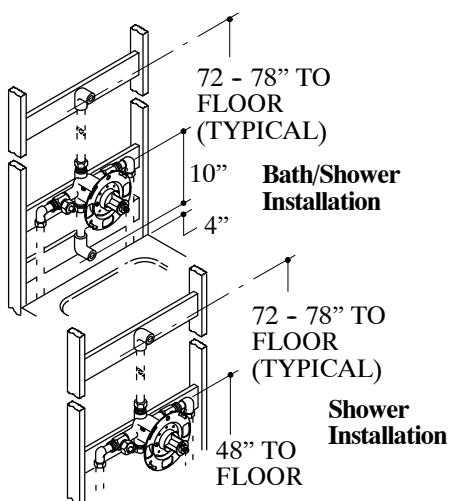
2. PREPARE VALVE

Carefully remove the stop nut and stem assembly, valve cap, collar, and pressure balancing unit before you apply soldering heat to the valve body.

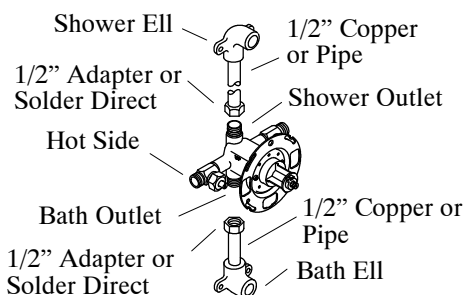


3. INSTALL VALVE

Install the valve on the support framing so the “UP” mark on the valve is facing upward.



Install elbows and adapters (if needed) to 1/2" copper tubing or 1/2" pipe of proper length. Apply thread sealant, and connect the piping to the bath and shower outlets of the valve.



⚠ CAUTION: Risk of product damage. The valve body contains plastic components. Remove the stop nut and stem assembly, valve cap, and pressure balancing unit before you apply soldering heat to the valve body.

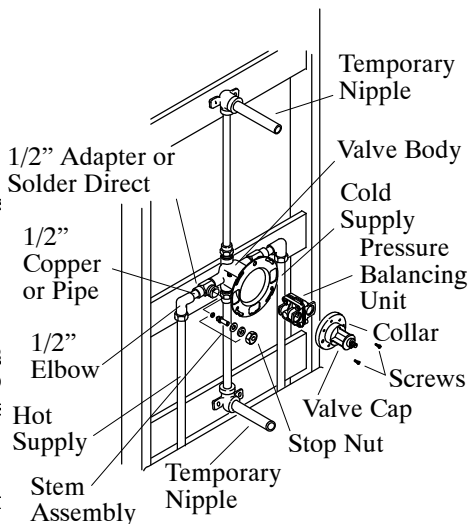
For copper or iron supplies:

Connect the water supplies to the valve body using elbows, 1/2" copper tubing or pipe, and adapter (if needed). Use thread sealant on all threaded connections.

For PVC supplies: Connect the water supplies to the valve body using PVC elbows, 1/2" PVC tubing, and PVC male adapters. Use thread sealant on all threaded connections.

All models: Secure the piping to the framing. Temporarily install 1/2" nipples to the bath and shower elbows so they will extend at least 2" beyond the finished wall.

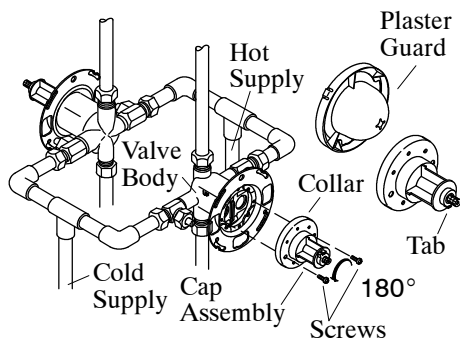
If you removed the inner valve components for soldering, carefully reinstall them now.



Back-to-Back Installation:

Never install the valve body upside down. If two valves are installed in a back-to-back configuration, install both as previously instructed. The supplies to one of the valves will be reversed.

Remove the plaster guard, cap assembly, and collar from the valve with the reversed supply connections. Rotate the cap assembly and collar 180° (tab on bottom), reassemble, and securely tighten the screws. Reinstall the plaster guard.



4. INSTALLATION CHECKOUT

Install caps to the temporary bath and shower nipples.

Turn on the hot and cold water supplies, and check the new installation for leaks.

Remove the caps from the temporary nipples.

Remove the plaster guard.

Turn the valve stem to the "On" position, and cycle the control through its operating range. Press the diverter stem, and verify that the water flows to the shower ell. Check for leaks.

Turn the valve off.

If the valve has stops, rotate both stop adjustments fully clockwise.

Turn the valve on, and verify that water does not run.

Turn the valve off, and rotate both stop adjustments fully counterclockwise.

Reinstall the plaster guard.

Install the trim according to the instructions packed with the trim.

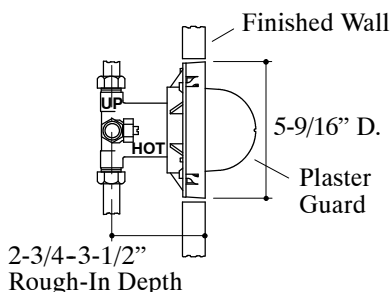
5. INSTALL WALL

Thick Wall Installation

(Tile, Plaster, Marble, etc.): Provide a 5-9/16" diameter hole in the rough wall material. The flat front surface of the plaster guard must be flush with the finished wall.

Complete the finished wall.

Do not remove the plaster guard until instructed.



6. ADJUSTMENTS

MAXIMUM WATER TEMPERATURE ADJUSTMENT

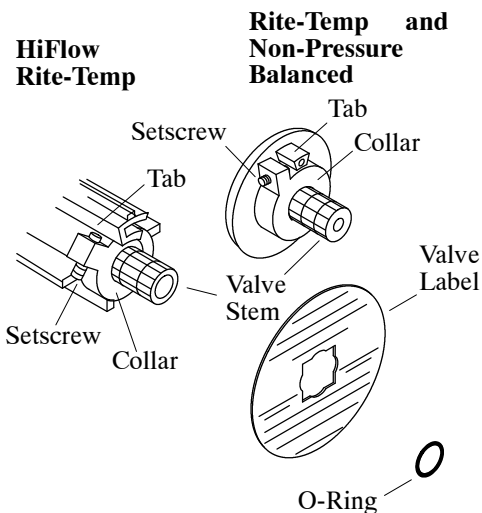
NOTE: Do not remove the O-ring and collar at this time. Removing the O-ring and collar will change the factory setting for the maximum water temperature.

For minor water temperature changes, adjust the setscrew.

To check for significant water temperature changes, turn the valve clockwise to the full open position and let the hot water run for several minutes. Then position a thermometer in the water stream. The water temperature should never be set above 120° F.

For major water temperature changes, remove the O-ring and collar from the valve stem. Slowly rotate the valve stem until the water temperature is as desired. Then re-install the collar on the valve stem so the setscrew is against the side of the tab. Re-install the O-ring, and rotate the valve stem counterclockwise to shut the water off. Re-check water temperature to ensure desired water temperature.

NOTE: After installation, complete the required information on the valve label.



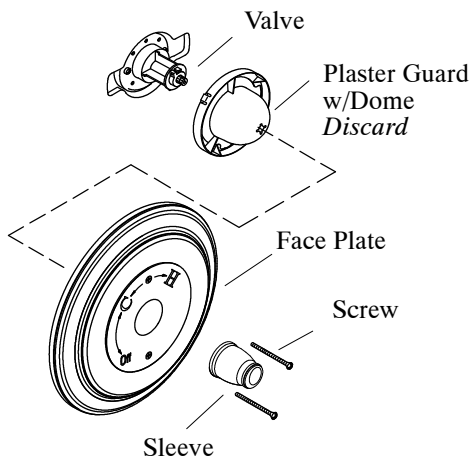
7. INSTALL FACE PLATE AND HANDLE

Remove and discard the plaster guard and/or dome, if installed.

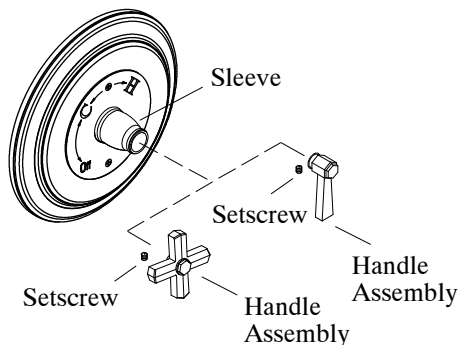
Fit the face plate over the valve, and secure with two screws.

Rotate the valve stem fully counterclockwise.

Slide the sleeve over the valve stem.



Align the handle assembly so the lever handle points straight down (lever handle only), and press it onto the valve stem. Turn the sleeve as needed so the notch lines up with the handle assembly setscrew. Secure the handle assembly in place by tightening the setscrew.



CALL US FOR HELP

Questions? Problems? First review the installation instructions to ensure correct installation. For additional assistance in the USA, call our Customer Service Department for direct help. You may also contact us at our web site listed below.

Call 1-888-4-KALLISTA

Fax 1-888-272-3094

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