

INSTALLATION INSTRUCTIONS

P21650, P21660, P24452, P24453,
P24454, P24456, P24743, P24745,
P24746, P24761, P24843

INSTALLATION INSTRUCTIONS

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.

BEFORE YOU BEGIN

⚠ 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 in the valve Installation Instructions.

⚠ CAUTION: Risk of scalding. KALLISTA low-flow showerheads/handshowers are designed for use with compatible KALLISTA valves. When installing a low-flow product to an existing showering system, verify compatibility before showering. Do not use this KALLISTA low-flow product with a shower valve that allows the water temperature to become too hot when other plumbing products are used.

Prior to using your shower, verify your new showerhead/ handshower is compatible with your shower valve (located behind the wall):

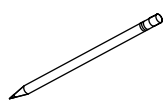
- ☐ While standing outside the shower, turn on the shower valve. Do not step into the shower.
- ☐ Adjust the water to your typical showering temperature.
- ☐ Have someone flush the nearest toilet.
- ☐ With your hand, carefully check the water temperature from the showerhead/handshower while the toilet is refilling.
- ☐ If the water becomes significantly more hot, you will need to replace the shower valve with a compatible KALLISTA valve or return your showerhead/handshower.

NOTE: Plumbing codes may require a vacuum breaker be installed in-line to handshowers. Please consult with local plumbing codes.

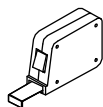
- ☐ Carefully plan the location of the wall supply elbow and fixed wall bracket to avoid the possibility of the handshower hose interfering with the operation of any faucets and/or drains, etc.
- ☐ Please read all instructions before you begin.
- ☐ Observe all local plumbing and building codes.
- ☐ Shut off the water supply.
- ☐ Inspect the supply piping for damage. Replace as necessary.
- ☐ KALLISTA reserves the right to make revisions in the design of products without notice, as specified in the Price Book.

INSTALLATION INSTRUCTIONS

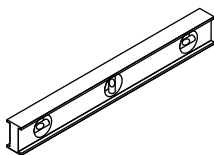
TOOLS AND MATERIALS



Pencil



Tape Measure



Level



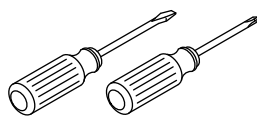
Hex Wrench



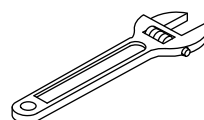
Thread Sealant



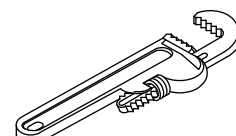
Drill



Assorted Screwdrivers

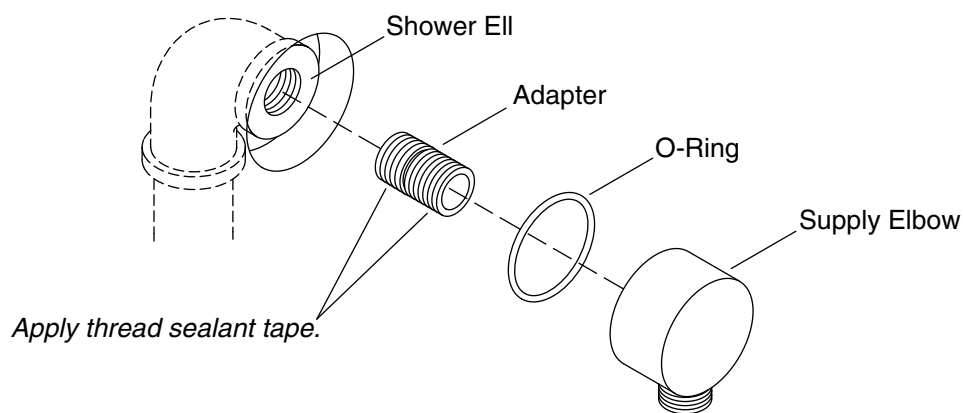


Adjustable Wrench



Pipe Wrench

1. INSTALL THE SUPPLY ELBOW (P24452)



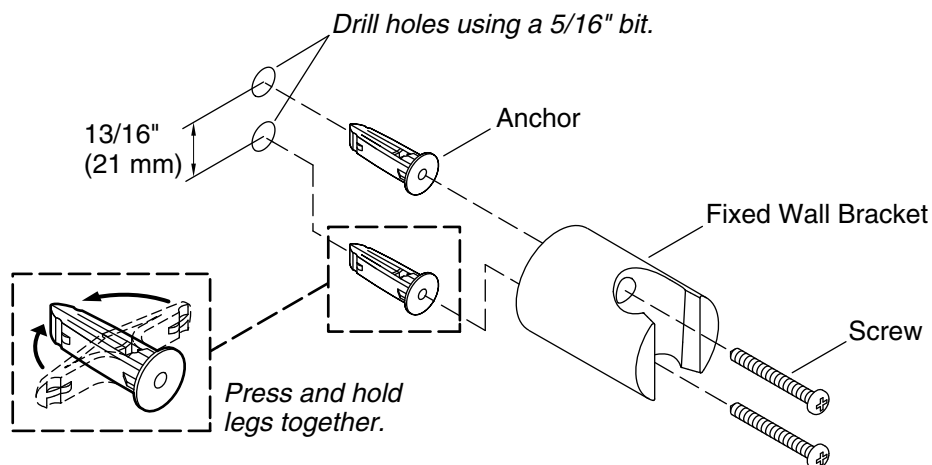
- ☐ Install a temporary nipple into the shower ell.
- ☐ Run water through the system to flush out dirt and debris.
- ☐ Remove the temporary nipple from the shower ell.
- ☐ Apply several layers of sealant tape around the straight end of the threaded adapter.
- ☐ Install the threaded adapter into the supply elbow.

NOTE: A hex wrench can be used to tighten the threaded adapter.

- ☐ Apply several layers of sealant tape around the exposed tapered end of the threaded adapter.
- ☐ Install the O-ring into the back of the supply elbow.
- ☐ Thread the adapter and supply elbow onto the shower ell.
- ☐ Turn on the water and allow water to flow through the supply elbow.
- ☐ Check connection for leaks. Repair as needed.

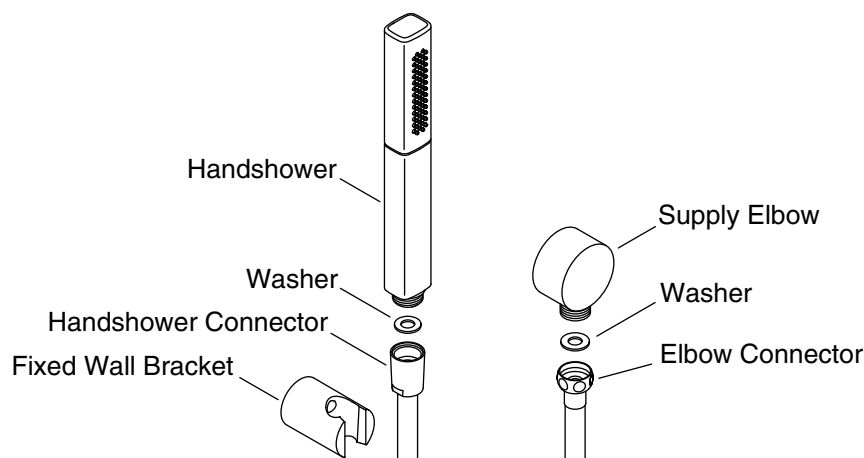
INSTALLATION INSTRUCTIONS

2. INSTALL THE FIXED WALL BRACKET (P24453)



- ☐ Determine the location for the fixed wall bracket.
- ☐ Mark the hole locations for the wall anchors.
- ☐ Drill the holes and install the wall anchors.
- ☐ Attach the fixed wall bracket to the wall with the screws.

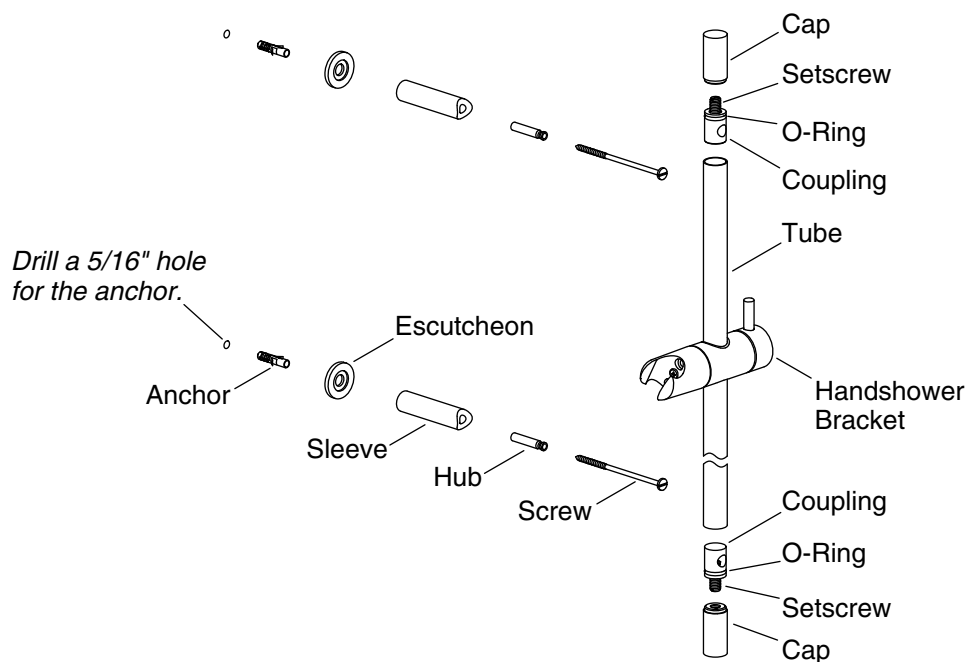
3. INSTALL THE HANDSHOWER AND HOSE



- ☐ Insert a washer into the elbow connector end of the shower hose.
- ☐ Attach the shower hose to the supply elbow. Run cold and hot water through the shower hose to flush out dirt and debris.
- ☐ Insert the other washer into the threads of the handshower connector.
- ☐ Thread the handshower into the shower hose. Tighten with an adjustable wrench.
- ☐ Turn on the water. Check for leaks and smooth operation.
- ☐ Place the handshower in the fixed wall bracket.

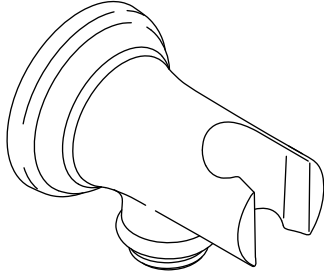
INSTALLATION INSTRUCTIONS

4. INSTALL THE OPTIONAL SLIDEBAR (P24456)

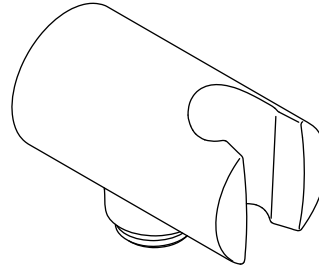


- ☐ Determine the location for the slidebar.
- ☐ Mark the hole locations for the wall anchors.
- ☐ Drill the holes and install the wall anchors.
- ☐ Attach the escutcheons, sleeves, and hubs with the screws.
- ☐ Slide the handshower bracket onto the tube.
- ☐ Insert the couplings into the ends of the tube. Line up the holes in the tube with the holes in the couplings.
- ☐ Place the tube over the sleeves.
- ☐ Tighten the setscrews so they engage with the groove in the hubs.
- ☐ Screw the caps onto the exposed ends of the setscrews.

INSTALLATION INSTRUCTIONS



P21651



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INSTALLATION INSTRUCTIONS

THANK YOU FOR CHOOSING KALLISTA

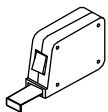
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BEFORE YOU BEGIN

NOTE: Plumbing codes may require a vacuum breaker be installed in-line to handshowers. Please consult with local plumbing codes.

- ☐ Carefully plan the location of the wall bracket to avoid the possibility of the handshower hose interfering with the operation of any faucets and/or drains, etc.
- ☐ Please read all instructions before you begin.
- ☐ Observe all local plumbing and building codes.
- ☐ Shut off the water supply.
- ☐ Inspect the supply piping for damage. Replace as necessary.
- ☐ KALLISTA reserves the right to make revisions in the design of products without notice, as specified in the Price Book.

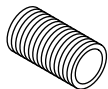
TOOLS AND MATERIALS



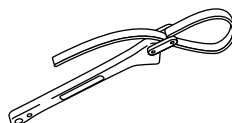
Tape
Measure



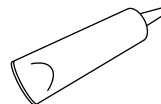
Sealant
Tape



1/2" NPT
Nipple



Strap
Wrench



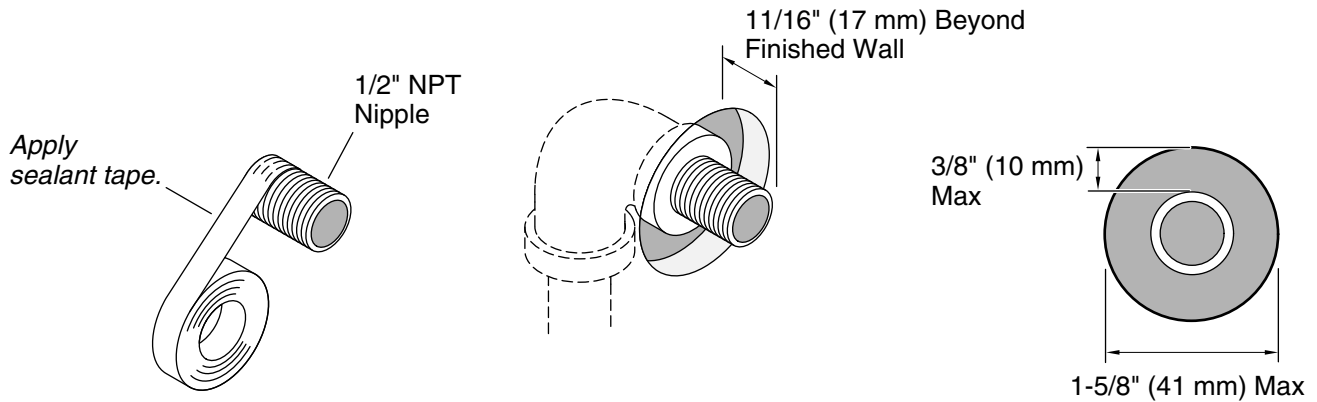
Clear
Sealant



Rags

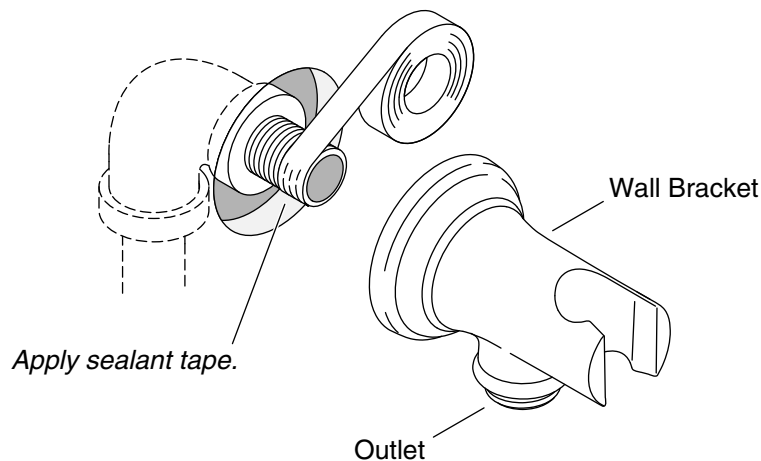
INSTALLATION INSTRUCTIONS

1. INSTALL THE PIPE NIPPLE



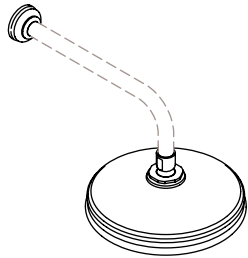
- ☐ Apply sealant tape to one end of a 1/2" NPT nipple.
- ☐ Install the nipple to extend 11/16" (17 mm) beyond the finished wall.
- ☐ Ensure the gap between the nipple and finished wall is no more than 3/8" (10 mm).

2. INSTALL THE WALL BRACKET

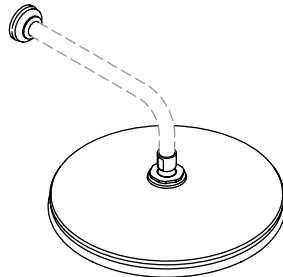


- ☐ Apply sealant tape to the exposed threads of the nipple.
- ☐ Thread the wall bracket onto the nipple.
- ☐ Using a clean strap wrench, tighten the bracket flush to the wall with the outlet oriented down.
- ☐ Apply a bead of clear sealant around the perimeter of the bracket.
- ☐ Turn on the water and allow water to flow through the bracket to flush out debris.
- ☐ Check connection for leaks. Repair as needed.

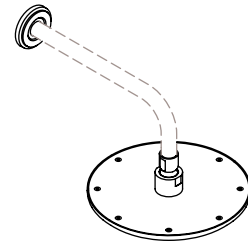
INSTALLATION INSTRUCTIONS



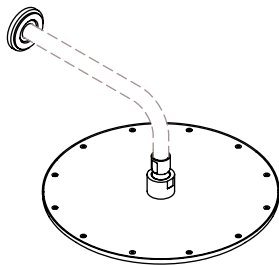
P21510



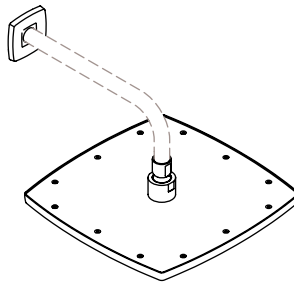
P21511



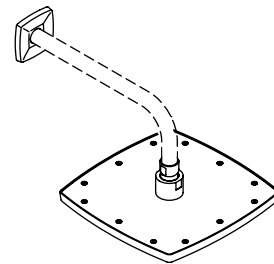
P21512



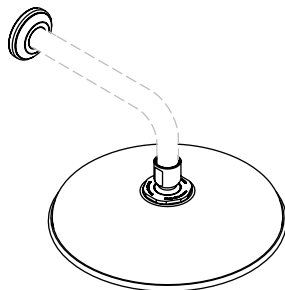
P21513



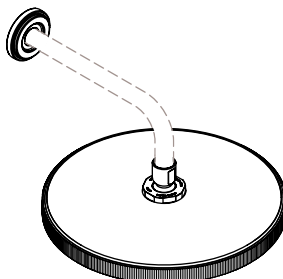
P21514



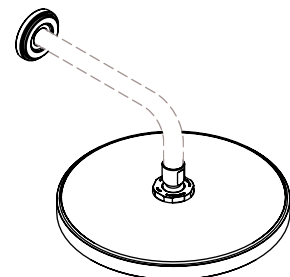
P21515



P21540



P21671



P21676

INSTALLATION INSTRUCTIONS

THANK YOU FOR CHOOSING KALLISTA

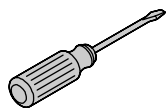
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IMPORTANT INFORMATION

⚠ 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 in the valve Installation Instructions.

- ☐ Prior to installation, unpack the new showerhead and inspect it for damage. Return the showerhead to its protective carton until you are ready to install it.
- ☐ Observe all local plumbing and building codes.
- ☐ Shut off the water supply.
- ☐ 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.

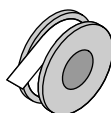
TOOLS AND MATERIALS



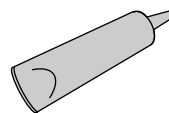
Small Bladed
Screwdriver



Adjustable
Wrench



Sealant
Tape



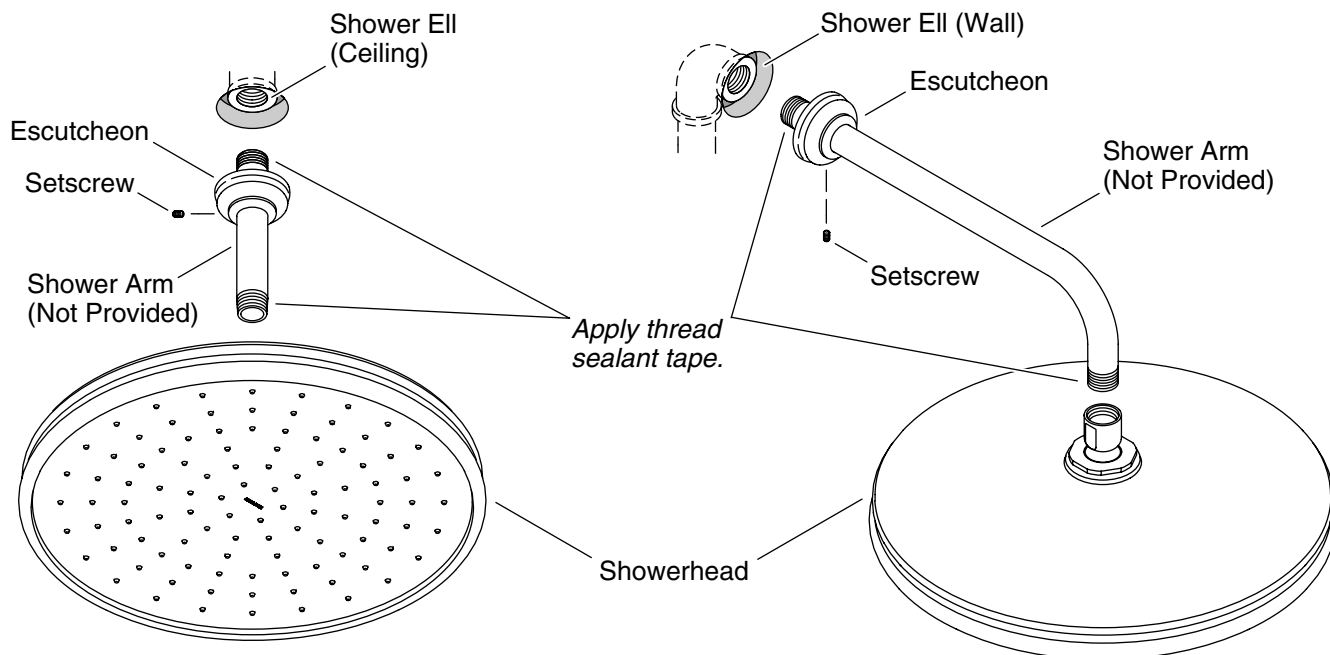
Silicone
Sealant



Rags

INSTALLATION INSTRUCTIONS

INSTALL THE SHOWERHEAD

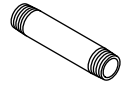


CAUTION: Risk of product damage. To avoid plugging the showerhead spray outlets, use thread sealant tape on the shower arm threads. Do not use thread sealant compound.

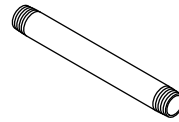
NOTE: The shower arm is not provided.

- ☐ Slide the escutcheon onto the end of the shower arm that will be closest to the wall/ceiling.
- ☐ Install the shower arm onto the shower ell according to the shower arm manufacturer's instructions.
- ☐ With the showerhead off, turn on the water to flush out the system.
- ☐ Apply thread sealant tape to the threads of the exposed end of the shower arm.
- ☐ Handtighten the showerhead to the shower arm.
- ☐ Use a clean adjustable wrench to tighten the showerhead onto the shower arm.
- ☐ Check for proper operation.
- ☐ Check all connections for leaks. Repair as needed.
- ☐ If desired, apply a bead of clear silicone sealant to the back perimeter of the escutcheon.
- ☐ Carefully slide the escutcheon to the finished wall/ceiling; be careful not to scratch the finish.
- ☐ Using a small bladed screwdriver, tighten the setscrew to secure the escutcheon to the shower arm.
- ☐ Remove any excess sealant.

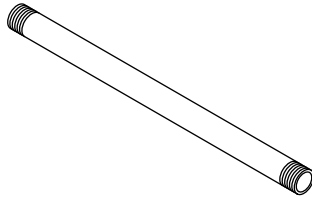
INSTALLATION INSTRUCTIONS



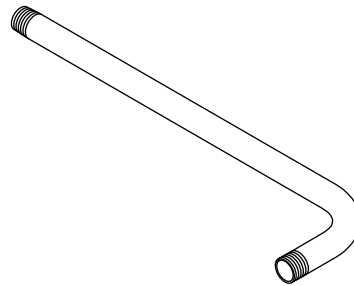
P21520



P21521



P21522



P21523

INSTALLATION INSTRUCTIONS

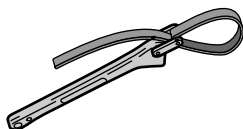
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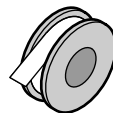
IMPORTANT INFORMATION

- ☐ Observe all local plumbing and building codes.
- ☐ Shut off the main water supply.
- ☐ 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



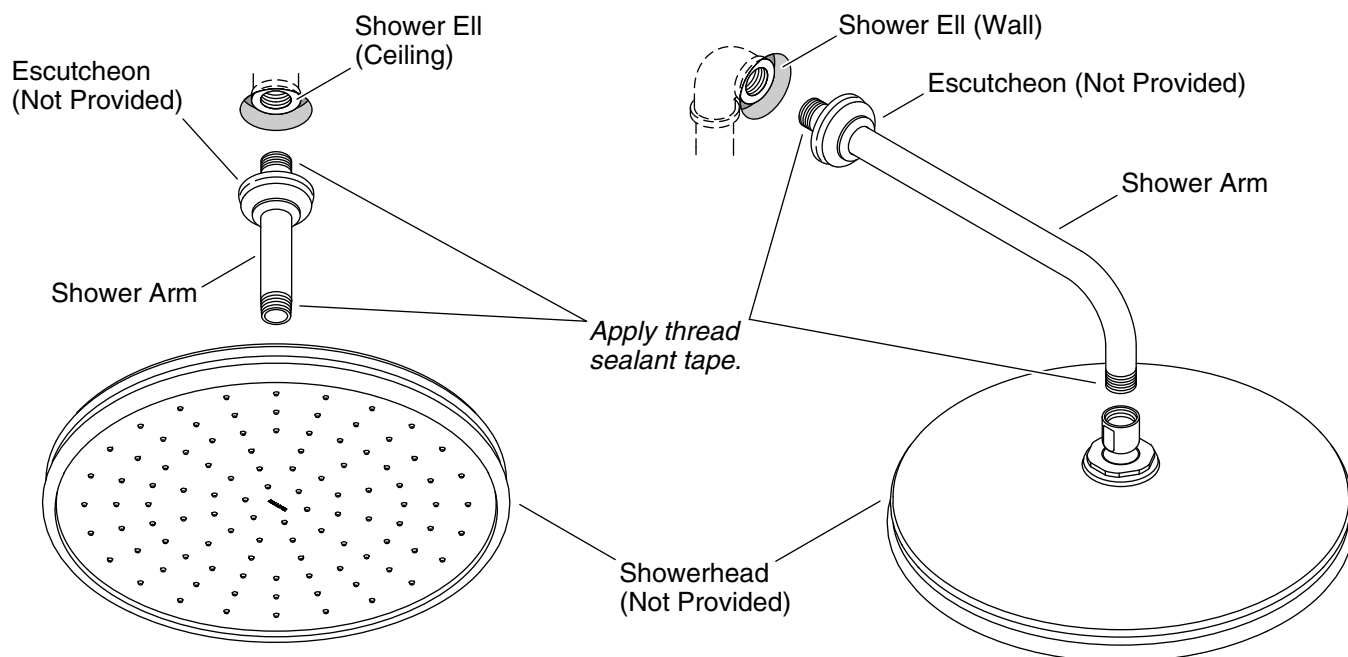
Strap Wrench



Sealant Tape

INSTALLATION INSTRUCTIONS

INSTALL THE SHOWER ARM



CAUTION: Risk of product damage. To avoid plugging the showerhead spray outlets, use thread sealant tape on the shower arm threads. Do not use thread sealant compound (pipe dope).

NOTE: The showerhead and escutcheon are not provided.

- ☐ Remove the temporary nipple from the shower ell.
- ☐ Slide the escutcheon onto the end of the shower arm that will be closest to the wall/ceiling.
- ☐ Apply thread sealant tape to the shower arm threads closest to the wall/ceiling.
- ☐ Thread the showerarm into the shower ell.
- ☐ Carefully tighten the shower arm with a clean strap wrench.
- ☐ With the showerhead off, turn on the water to flush out the system.
- ☐ Check connections for leaks. Repair as needed.
- ☐ Turn off the water.
- ☐ Install the showerhead according to the showerhead manufacturer's instructions.

INSTALLATION INSTRUCTIONS

P24015, P24016,
P24115, P24116,
P24215, P24216,
P24415, P24416

INSTALLATION INSTRUCTIONS

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-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: _____

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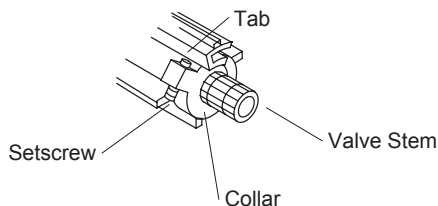
BEFORE YOU BEGIN

- ☐ 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.
- ☐ We recommend that you determine if the maximum water temperature is acceptable before installing this trim. If temperature adjustment is needed, refer to the Water Temperature Adjustment 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.
- ☐ KALLISTA reserves the right to make revisions in the design of products without notice, as specified in the Price Book.

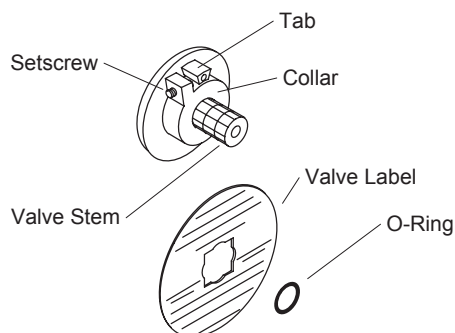
INSTALLATION INSTRUCTIONS

1. WATER TEMPERATURE ADJUSTMENT

High Flow Valve



Standard Valve



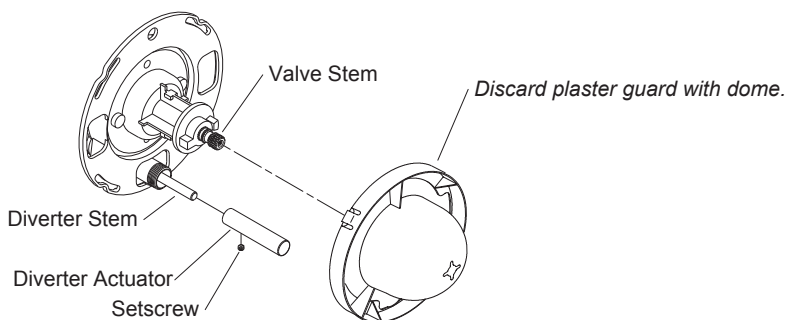
CAUTION: Risk of personal injury. The water temperature should never be set above 120° F (49° C).

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.

- ☐ Discard the plaster guard.
- ☐ Turn the valve clockwise to the full open position. After several minutes, check the temperature.
- ☐ 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.
- ☐ Turn the valve stem counterclockwise to the "OFF" position.

NOTE: After adjustment, complete the required information on the valve label (if supplied).

2. DIVERTER ASSEMBLY (IF APPLICABLE)

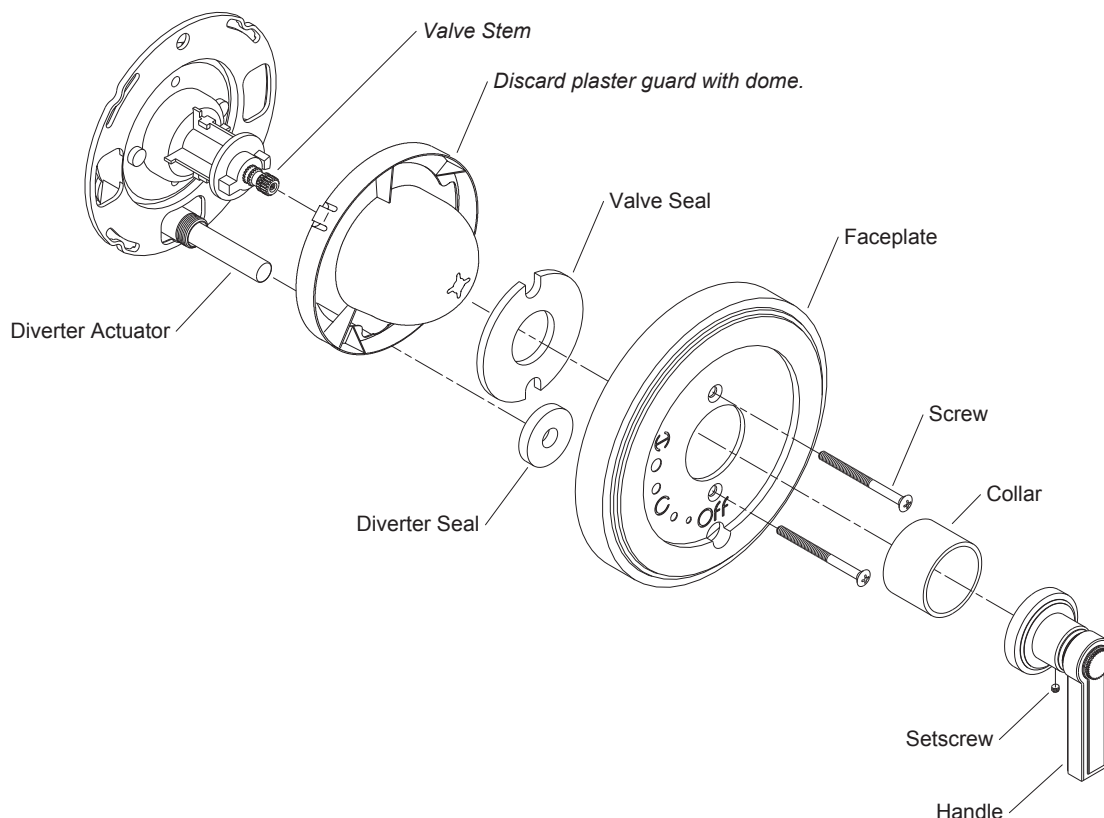


NOTE: If the diverter stem has an E-clip and an O-ring, these must be removed before the actuator and guide can be installed.

- ☐ Position the actuator over the diverter stem. Secure with setscrew.

INSTALLATION INSTRUCTIONS

3. INSTALL THE FACEPLATE AND HANDLE



- ☐ **Tiled Wall Installations Only**, apply silicone sealant.
- ☐ Fit diverter seal over diverter actuator (if applicable) and valve seal over valve stem, as shown. Align the notches in the valve seal with the threaded holes in the valve.
- ☐ Install the faceplate onto the valve. Secure with two screws. Do not overtighten.
- ☐ Rotate the valve stem fully counter clockwise.
- ☐ Slide the collar onto the valve.
- ☐ Place the handle assembly over the valve stem so that the setscrew is aligned with the large groove on the valve stem. If using the lever handle, make sure that the handle points straight down. Tighten the setscrew.
- ☐ If supplied, remove the aerator.
- ☐ Run the water to flush debris, then reinstall the aerator.