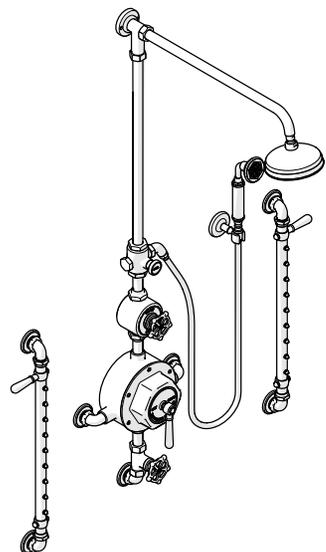


INSTALLATION GUIDELINES

STYLE No. RGXS50, RGXS51, RGXS55, RGXS56

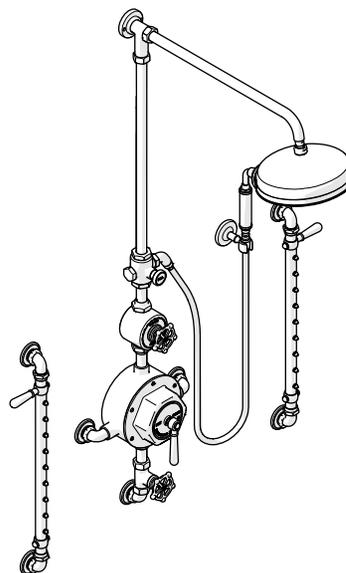
Regulator Exposed Thermostatic Shower System



STYLE No. RGXS50

Regulator Exposed Thermostatic Shower System with 6" Shower Rose, Handshower on Hook and Body Spray Bars, Black Lever and Wheel Handles

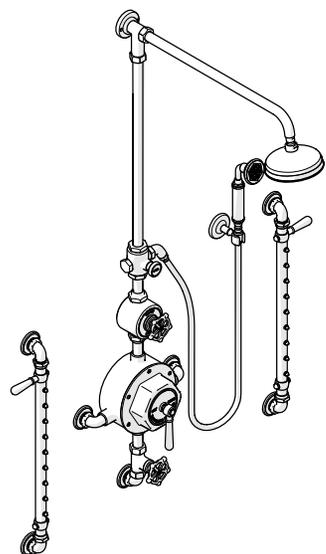
- **STYLE No.** RGX50C
Regulator Exposed Thermostatic Shower System with Handshower on Hook, Black Lever and Wheel Handles
- **STYLE No.** RGBS01
Regulator Body Spray Bar with Black Lever Handle
- **STYLE No.** UNSH20
Universal 6" Showerhead



STYLE No. RGXS55

Regulator Exposed Thermostatic Shower System with 10" Shower Rose, Handshower on Hook and Body Spray Bars, Black Lever and Wheel Handles

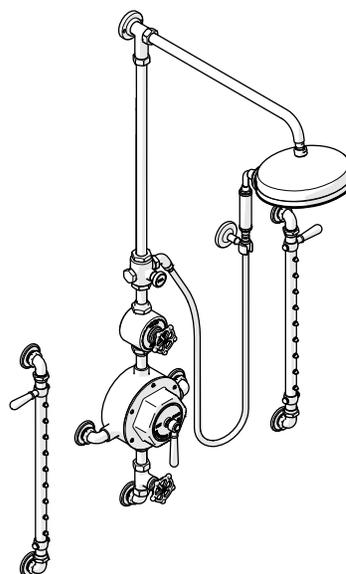
- **STYLE No.** RGX50C
Regulator Exposed Thermostatic Shower System with Handshower on Hook, Black Lever and Wheel Handles
- **STYLE No.** RGBS01
Regulator Body Spray Bar with Black Lever Handle
- **STYLE No.** UNSH21
Universal 10" Showerhead



STYLE No. RGXS51

Regulator Exposed Thermostatic Shower System with 6" Shower Rose, Handshower on Hook, Body Spray Bars, Metal Lever and Wheel Handles

- **STYLE No.** RGX51C
Regulator Exposed Thermostatic Shower System with Handshower on Hook, Metal Lever and Wheel Handles
- **STYLE No.** RGBS02
Regulator Body Spray Bar with Metal Lever Handle
- **STYLE No.** UNSH20
Universal 6" Showerhead



STYLE No. RGXS56

Regulator Exposed Thermostatic Shower System with 10" Shower Rose, Handshower on Hook and Body Spray Bars, Metal Lever and Wheel Handles

- **STYLE No.** RGX51C
Regulator Exposed Thermostatic Shower System with Handshower on Hook, Metal Lever and Wheel Handles
- **STYLE No.** RGBS02
Regulator Body Spray Bar with Metal Lever Handle
- **STYLE No.** UNSH21
Universal 10" Showerhead

INSTALLATION GUIDELINES

Regulator Exposed Thermostatic Shower System

IMPORTANT:

- **WARNING:** This product is large and extremely heavy. It is **STRONGLY** recommended that 2 or more persons install this product.
- The BODY SPRAY BARS are packaged separately from the THERMOSTATIC VALVE. Refer to the Installation Guidelines provided with the Regulator Body Spray Bar (RGSB01, RGSB02) for full installation details and other important information.
- To ensure this product is installed properly, you must read and follow these guidelines.
- The owner/user of this product must keep this information for future reference.
- This product must be installed by a professional licensed contractor and must be onsite prior to rough-in. This allows the installer to visualize the installation and verify the on-center inlet supply spreads.
- Inspect this product to ensure you have all the parts required for proper installation. Product is sold partially assembled but shown fully disassembled for illustrative and service purposes only.
- Be sure your installation conforms to federal, state, and local codes. In the State of Massachusetts, all installations must comply with the rules and regulations set forth within 248 CMR.
- Adequate BLOCKING in the wall is **REQUIRED** for:
 - The 2-1/2" length FINISHED WOOD SCREWS provided for mounting the RISER TUBE SUPPORT POST and
 - At least **two** of the **four** 1-1/2" length WOOD SCREWS provided for mounting the THERMOSTATIC VALVE BODY.
- Adequate BLOCKING in the wall is **RECOMMENDED** for:
 - The 1-1/2" length WOOD SCREWS provided for mounting the HANDSHOWER HOOK.
- DRYWALL ANCHORS, intended for use in a typical 1/2" drywall installation, are provided for situations where blocking is not installed.
- This product is supplied with a THERMOSTATIC VALVE which features anti-scald protection. The risk of scalding exists until the installer has properly calibrated/adjusted the temperature setting during final trim installation.
- If this product will remain unused for an extended period of time (over 3 months), then the water to the VALVE should be shut off (via service stops or system control valve) and the SHUT OFF VALVES should be opened to allow the water in the THERMOSTATIC VALVE to evaporate. This is to keep the THERMOSTATIC CARTRIDGE from being exposed to stagnant or hard water, which can cause the VALVE to malfunction.

- The use of certain plumber's putty may stain stone or tile surfaces.
- Use only a strap wrench or protected/smooth-jaw wrench on any finished surface.
- If further assistance is required, please contact Product Support at 1-800-927-2120 Monday through Friday, 8am - 6pm EST.
- Refer to the separate Service Parts Documents for available replacement parts.

TECHNICAL DETAILS:

DETAIL	SPECIFICATION
ADJUSTABLE VERSUS FIXED SPRAY	FIXED
DIAMETER OF SHOWER HEAD (RGXS50, RGXS51 - ONLY)	Ø6-1/4" [158mm]
DIAMETER OF SHOWER HEAD (RGXS55, RGXS56 - ONLY)	Ø10-1/16" [255mm]
DIAMETER OF HANDSHOWER HEAD	Ø2-1/2" [64mm]
DIAMETER OF TUBES	1-1/16" [27mm]
SHUTOFF HANDLE TURN ANGLE	QUARTER TURN
DIVERTER HANDLE TURN ANGLE	PUSH-PULL
HANDSHOWER HOSE LENGTH	59" [1.5m]
INLET CONNECTION	3/4" COPPER COMPRESSION
INTEGRATED DIVERTER	YES
NUMBER OF HOLES	SEVEN
PIVOT (SHOWER HEAD & SPRAY BAR ONLY)	YES
THERMOSTATIC VALVE MATERIAL	BI-METALIC STRIP
WATER PRESSURE RANGE	20psi [1.5 bar] MIN - 85psi [6.0 bar] MAX
WATER PRESSURE RECOMMENDED	45psi [3.0 bar]

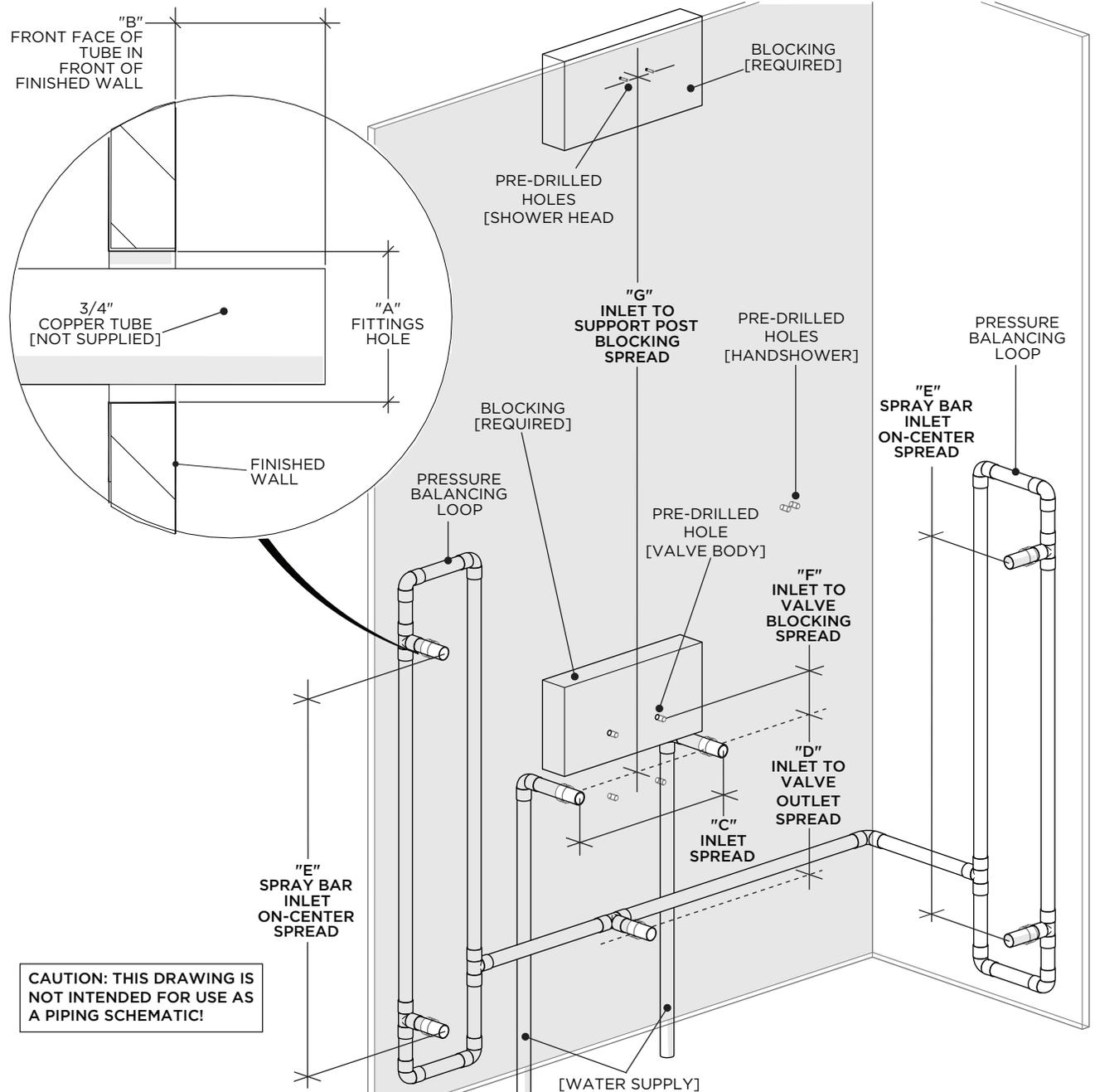
INSTALLATION GUIDELINES

Regulator Exposed Thermostatic Shower System

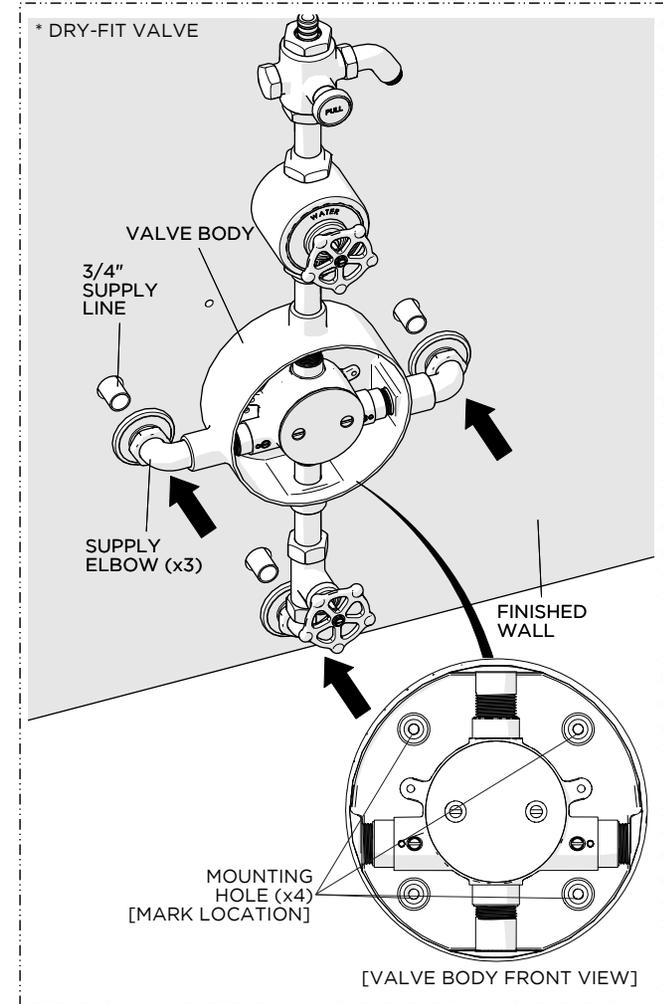
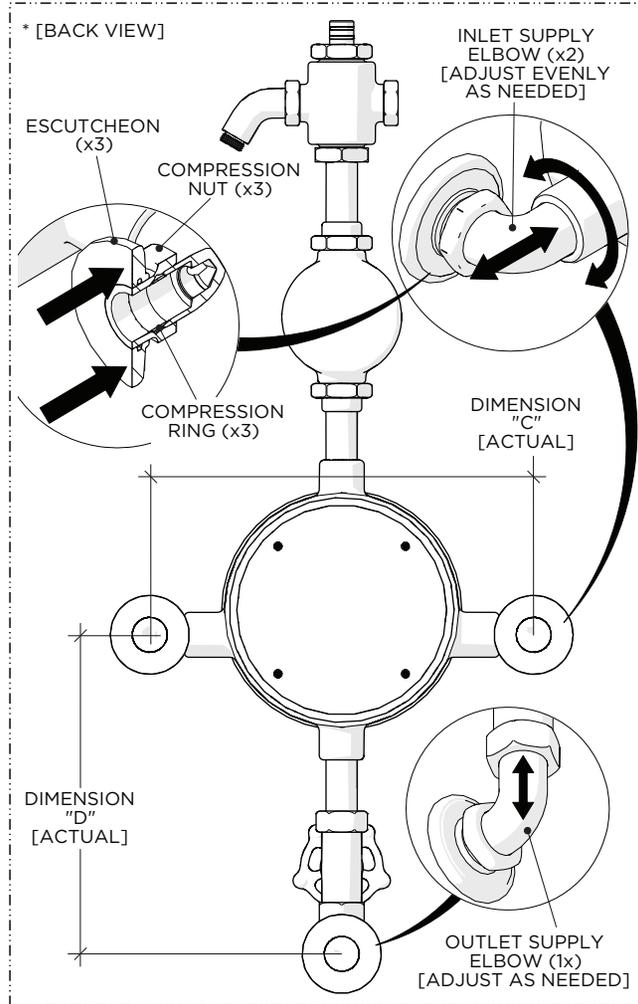
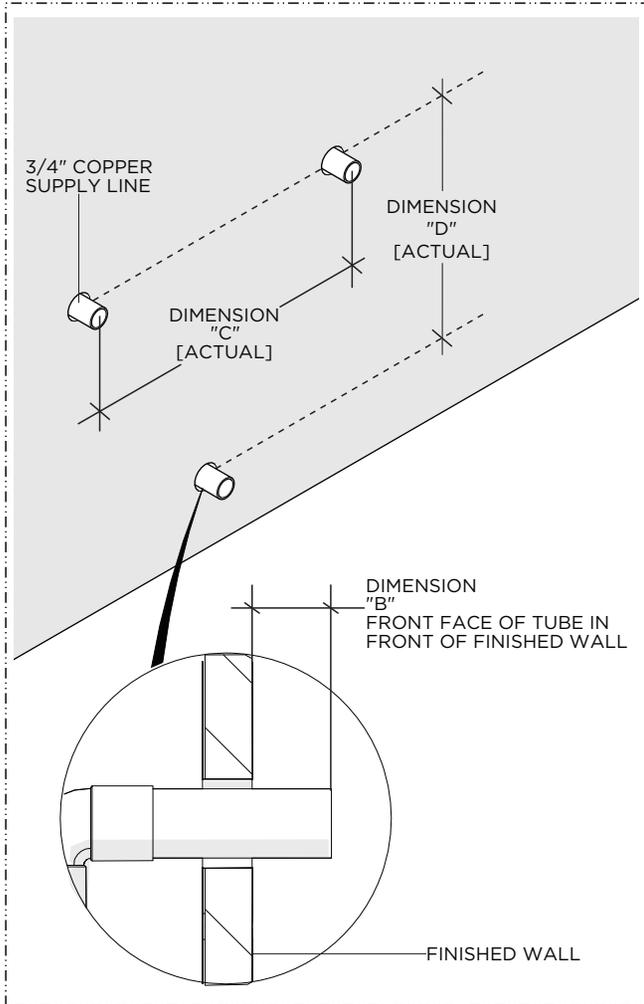
ROUGH-IN:

- ✦ Determine the ideal location for the VALVE and INLET ELBOWS based on user preference then, with the HOT supply on the left and the COLD supply on the right, run well supported 3/4" copper supply lines for **MAXIMUM** water flow.
- **WARNING:** The inlet supply spread **MUST** be between 12-3/4" [324mm] **MINIMUM** and 13-3/8" [340mm] **MAXIMUM**. Verify the supply lines are secure, level, perpendicular to the finished wall, parallel to each other at the proper spread and at equal depths. The installation will be difficult or impossible if the rough-in is not accurate.
- **IMPORTANT:** The supply lines **MUST** project between 1-1/4" [32mm] **MAXIMUM** and 1" [25mm] **MINIMUM** from the surface of the finished wall.
- Adequate **BLOCKING** in the wall is **REQUIRED** for:
 - The 2-1/2" length **FINISHED WOOD SCREWS** provided for mounting the **RISER TUBE SUPPORT POST** and
 - At least **two** of the **four** 1-1/2" length **WOOD SCREWS** provided for mounting the **THERMOSTATIC VALVE BODY**.
- Adequate **BLOCKING** in the wall is **RECOMMENDED** for:
 - The 1-1/2" length **WOOD SCREWS** provided for mounting the **HANDSHOWER HOOK**.
- **DRYWALL ANCHORS**, intended for use in a typical 1/2" drywall installation, are provided for situations where blocking is not installed.
- Cap off the supply lines and check for leaks.

DIM	VALUE
A	1-1/8" [29mm]
B	1" [25mm] MIN - 1-1/4" [32mm] MAX
C	12-3/4" [324mm] MIN 13-3/8" [340mm] MAX
D	10-3/4" [273mm] MIN - 11" [279] MAX
E	25-1/2" [648mm]
F	2-15/16" [75mm]
G	46-7/8" [1190mm] [NOT ADJUSTABLE]



INSTALLATION GUIDELINES

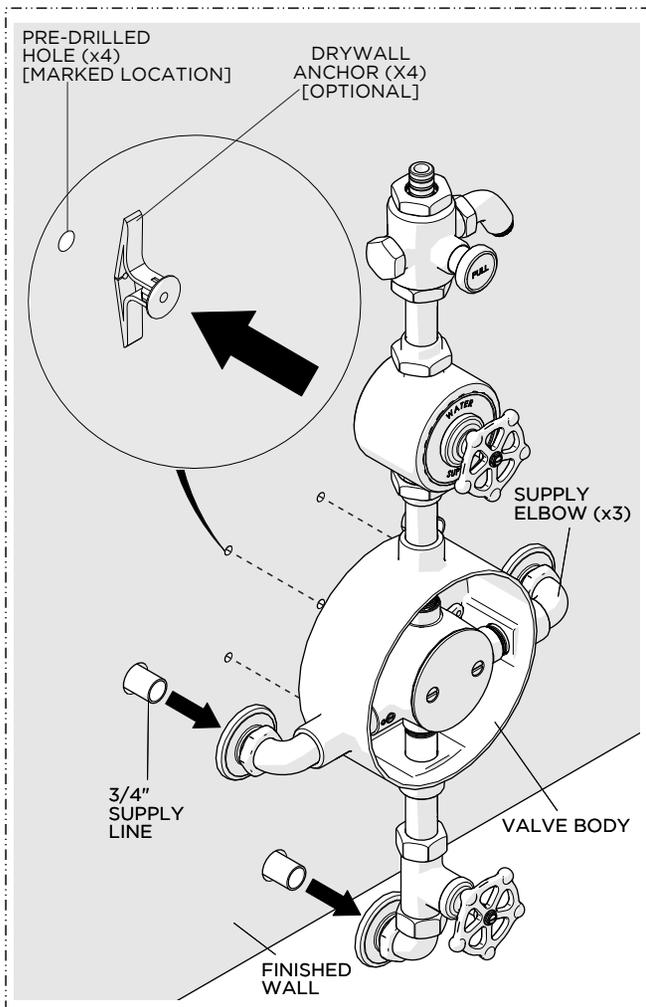


1. Measure the **ACTUAL** on-center spreads of the SUPPLY LINES:
DIMENSION C: 12-3/4" [324mm] and 13-3/8" [340mm].
DIMENSION D: 10-3/4" [273mm] and 11" [279mm].
 Ensure the SUPPLY LINES project (DIMENSION B) between 1" [25mm] and 1-1/4" [32mm] from the surface of the finished wall.
CAUTION: Make sure the cuts are straight and the edges are free of any burrs.
DIMENSION C [ACTUAL]: _____
DIMENSION D [ACTUAL]: _____

2. Push the ESCUTCHEONS against the COMPRESSION NUTS then measure the **ACTUAL** on-center spread of the INLET & OUTLET ELBOWS (DIMENSIONS C and D).
DIMENSION C [ACTUAL]: _____
DIMENSION D [ACTUAL]: _____
IMPORTANT: Verify the INLET SUPPLY ELBOW spread is the same as the SUPPLY LINE spread and, if necessary, adjust the spread by threading and unthreading the ELBOWS from the VALVE BODY. The OUTLET ELBOW can be pushed or pulled to adjust the spread.
CAUTION: Do **NOT** thread or unthread one ELBOW more than the other. Adjust the ELBOWS evenly and do **NOT** exceed the **MINIMUM** or **MAXIMUM** SPREAD dimensions.

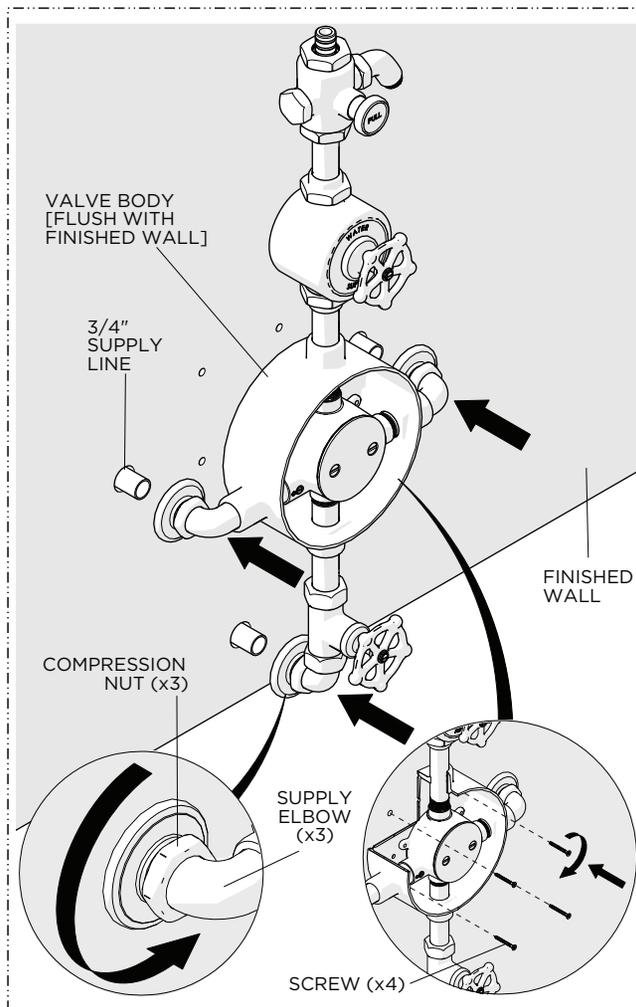
3. Fit the SUPPLY ELBOWS onto the SUPPLY LINES making sure the VALVE BODY sits flush against the finished wall then mark the location of the MOUNTING HOLES (x4).
NOTE: Do **NOT** tighten the COMPRESSION NUTS.

INSTALLATION GUIDELINES

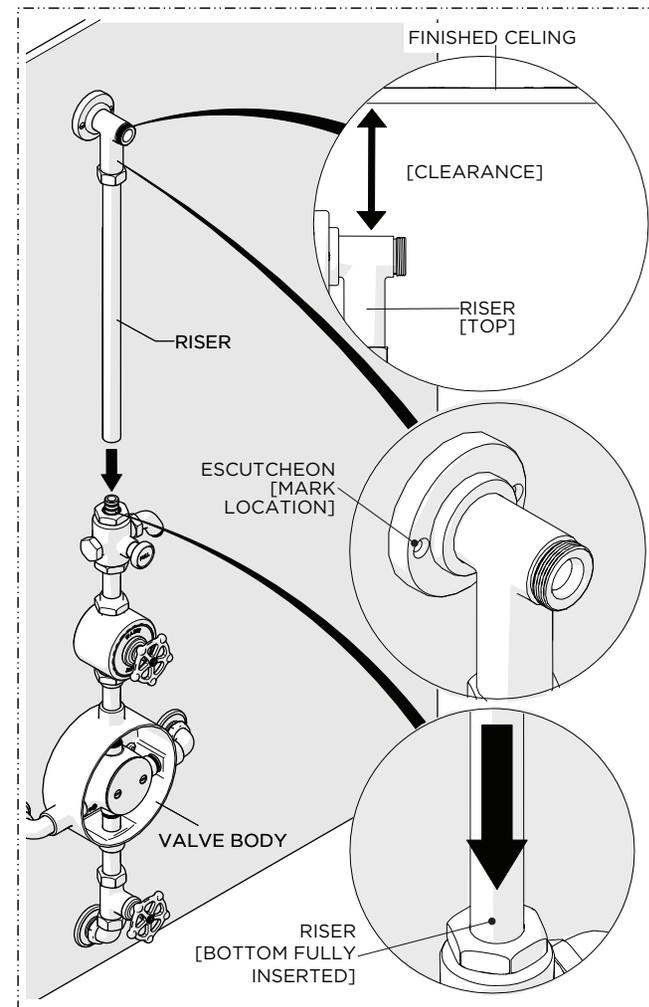


4. Remove the VALVE then, using the previous marks, pre-drill the holes (pilot holes) to accommodate the 1-1/2" WOOD SCREWS and, if necessary, install the DRYWALL ANCHORS provided where blocking is not installed.

CAUTION: Adequate BLOCKING in the wall is **REQUIRED** for at least **TWO** of the **FOUR** 1-1/2" length WOOD SCREWS.



5. Fit the SUPPLY ELBOWS back onto the SUPPLY LINES making sure the VALVE BODY sits **FLUSH** against the finished wall and secure the VALVE BODY to the wall using the WOOD SCREWS (x4) provided then thread and securely tighten the COMPRESSION NUTS onto the ELBOWS.

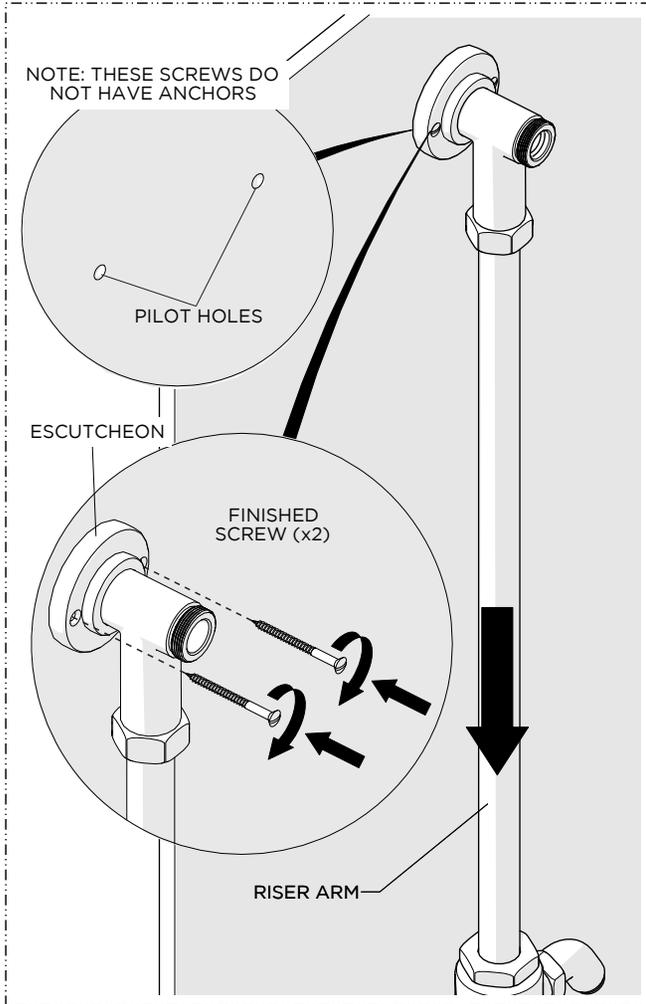


6. Fully insert the RISER TUBE into the top of the DIVERTER VALVE making sure the ESCUTCHEON for the SUPPORT POST sits **FLUSH** against the finished wall.

Make sure there is enough **CLEARANCE** between the top of the RISER and the finished ceiling then mark the location of the mounting holes (x2).

CAUTION: The RISER TUBE may **NOT** be field cut.

INSTALLATION GUIDELINES

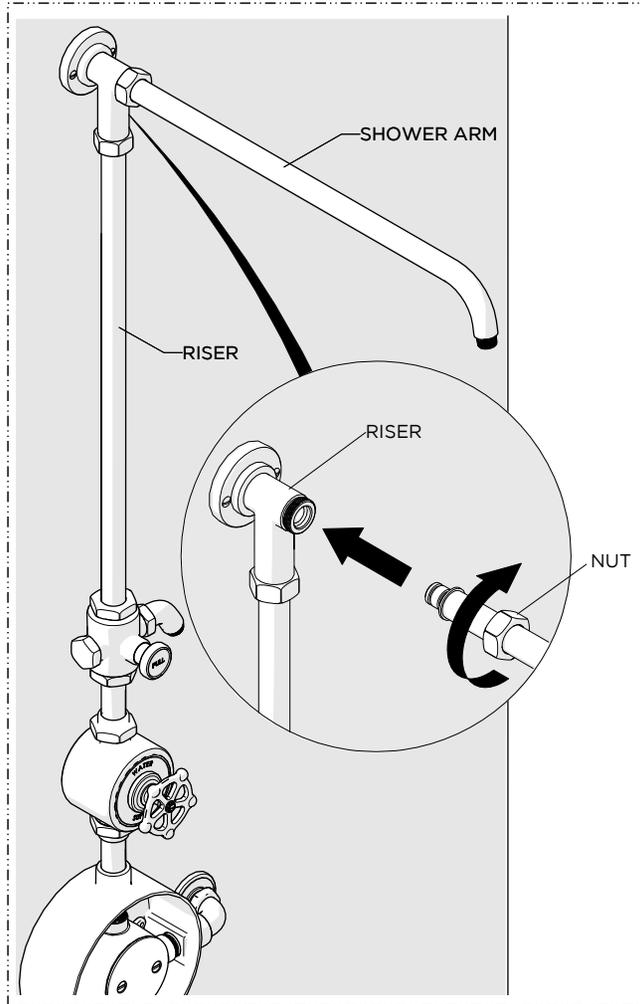


7. Remove the RISER TUBE then, using the previous marks, pre-drill the holes (pilot holes) to accommodate the 2-1/2" FINISHED WOOD SCREWS (x2) provided.

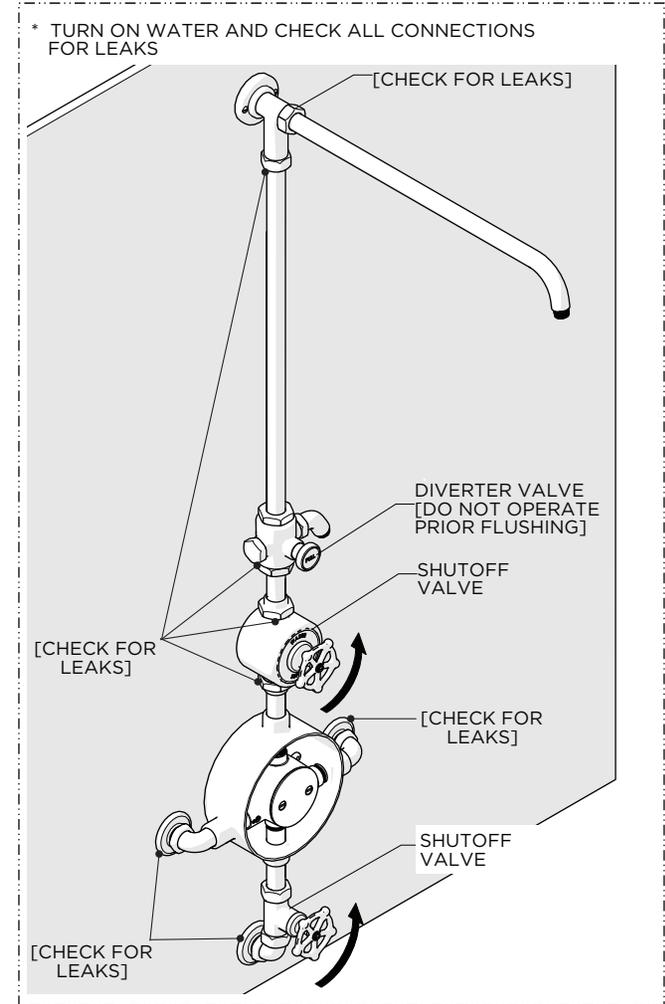
Insert the TUBE back into the top of the DIVERTER VALVE making sure the ESCUTCHEON for the SUPPORT POST sits **FLUSH** against the finished wall.

Make sure the TUBE is fully inserted then secure the SUPPORT POST to the wall using the SCREWS (x2) provided.

CAUTION: Adequate **BLOCKING** in the wall is **REQUIRED** for securely mounting the SUPPORT POST using the SCREWS provided.



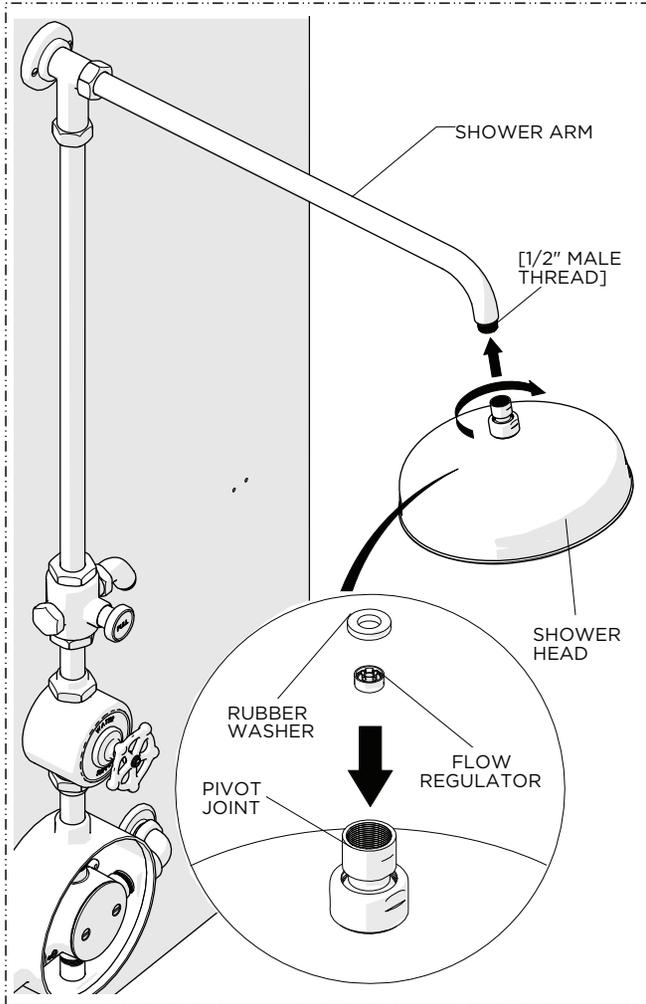
8. Insert the SHOWER ARM into the RISER then securely tighten the NUT.



9. Turn on the water and operate the SHUTOFF VALVES to **FLUSH** out the supply lines, check all connections for leaks then turn the water off.

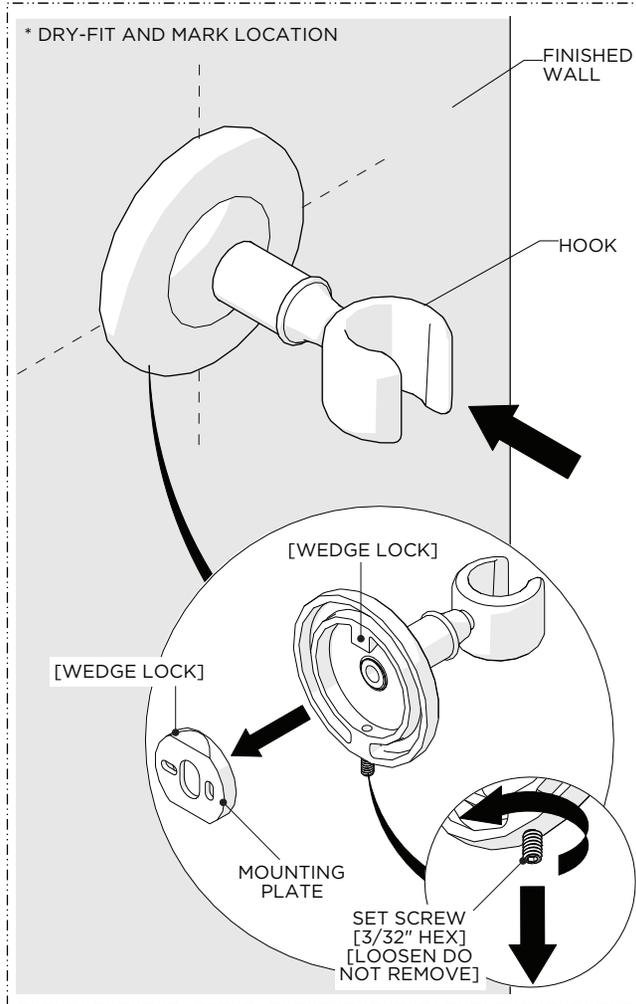
NOTE: Ensure the supply lines have been flushed before operating the DIVERTER VALVE.

INSTALLATION GUIDELINES



10. Insert the RUBBER WASHER into the PIVOT JOINT on the SHOWER HEAD (packaged separately) then thread and securely tighten the PIVOT JOINT onto the SHOWER ARM.

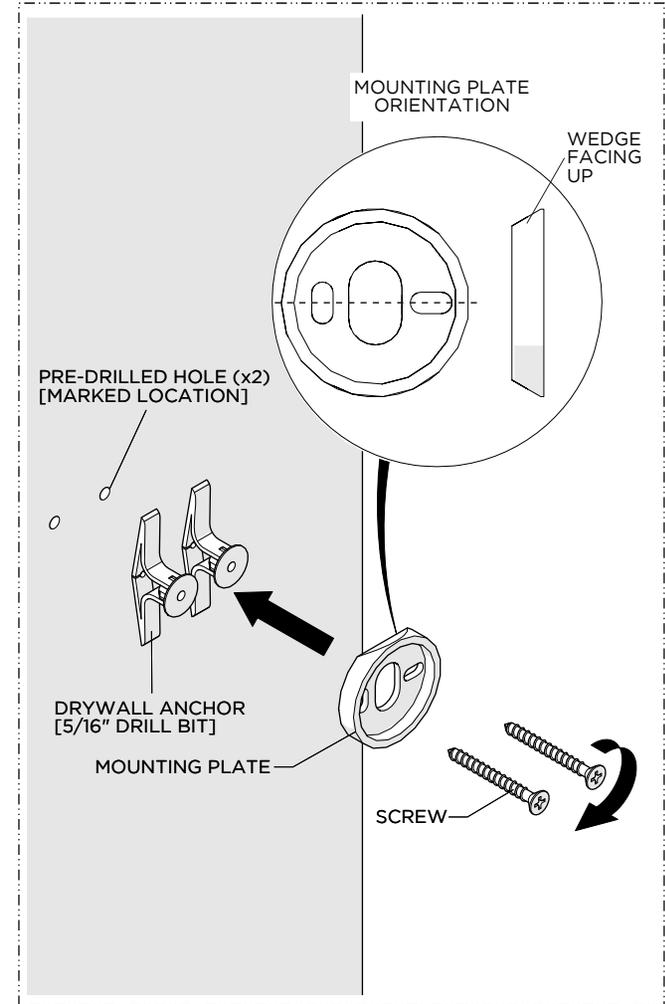
NOTE: A FLOW REGULATOR is located in the PIVOT JOINT.



11. Dry-fit the HOOK to the finished wall and mark the ideal location for installation; preferably over adequate blocking or stud material.

Loosen, but do **NOT** remove, the SET SCREW on the HANDSHOWER HOOK to remove the MOUNTING PLATE

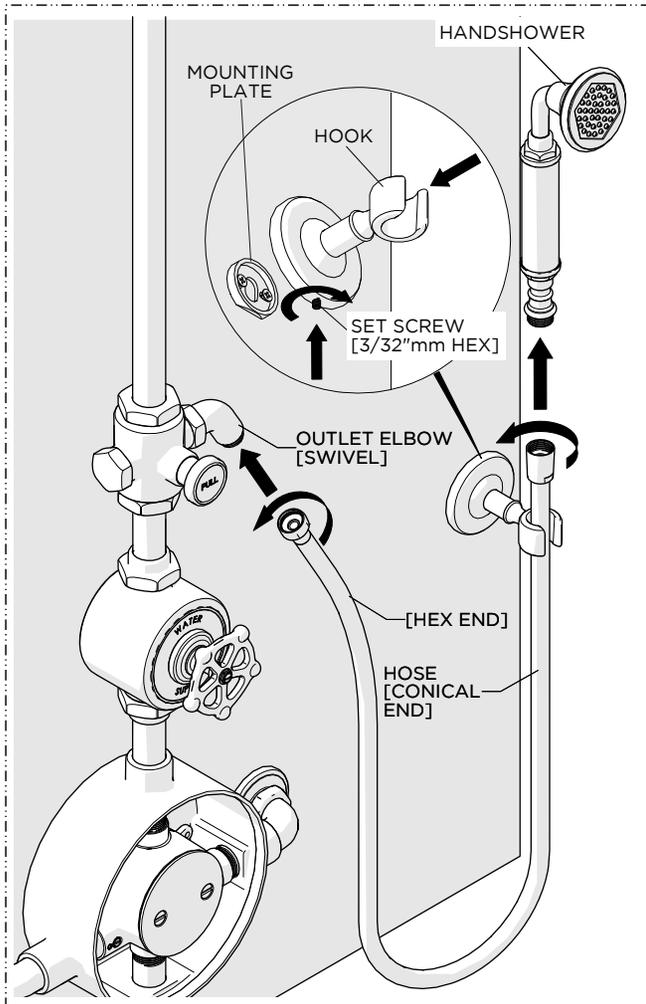
NOTE: DRYWALL ANCHORS provided, if necessary.



12. Using the previous marks as a reference, install the MOUNTING PLATE, using the ANCHORS (if needed) and WOOD SCREWS provided.

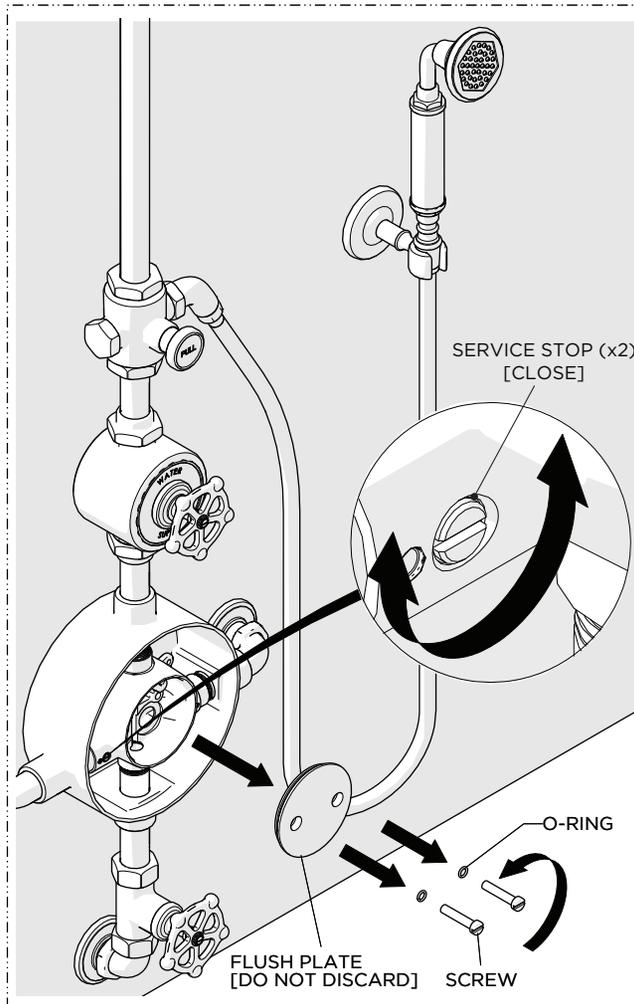
CAUTION: Ensure the MOUNTING PLATE is in the correct orientation.

INSTALLATION GUIDELINES



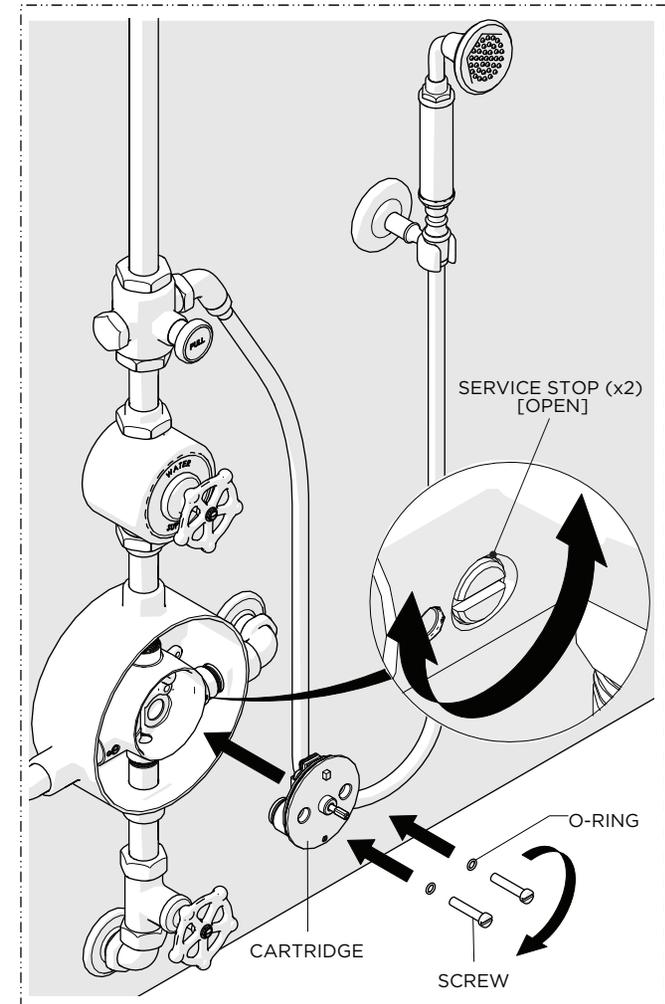
13. Place the HOOK onto the MOUNTING PLATE and securely tighten the SET SCREW then connect the HOSE to the HANDSHOWER and DIVERTER VALVE and place the HANDSHOWER on the HOOK.

NOTE: A FLOW REGULATING CHECK VALVE is located in the inlet of the HANDSHOWER.



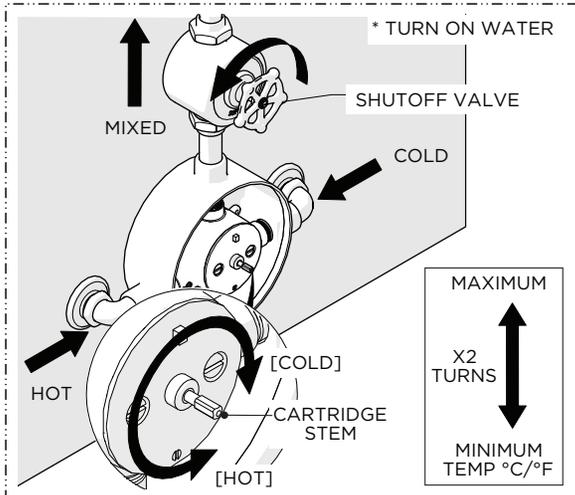
14. Close the integrated SERVICE STOPS on the VALVE then remove the FLUSH PLATE.

NOTE: Do NOT discard the FLUSH PLATE.

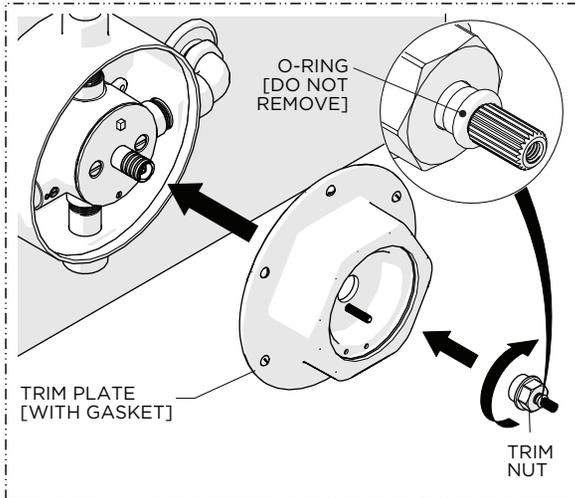


15. Install the CARTRIDGE using the SCREWS provided, making sure the O-RINGS are in place, then open the integrated SERVICE STOPS.

INSTALLATION GUIDELINES

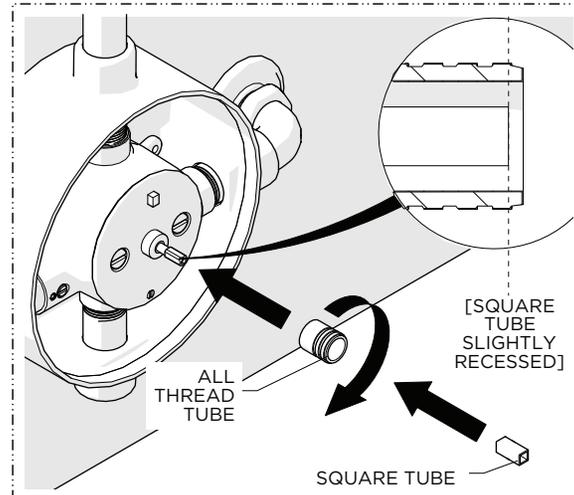


16. Turn on the water and open the SHUTOFF VALVE then slowly rotate the CARTRIDGE STEM clockwise to attain full cold then counterclockwise to attain full hot. It's approximately 2 complete rotations. Verify a full range of temperatures exists.



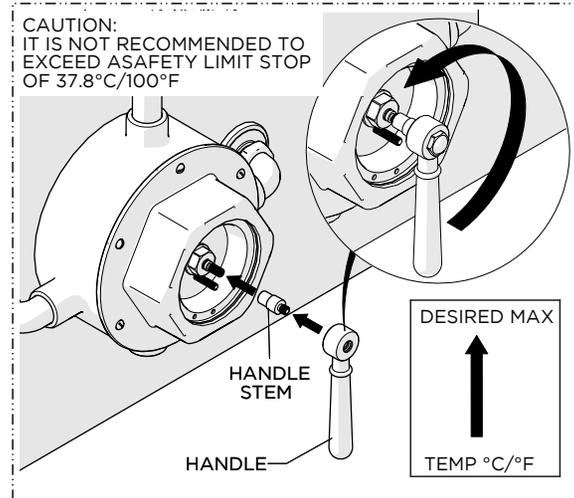
19. Slide the TRIM PLATE, in the desired orientation, over the ALL THREAD TUBE, then thread and securely tighten the TRIM NUT onto the TUBE.

NOTE: Do NOT remove the O-RING on the TRIM NUT.

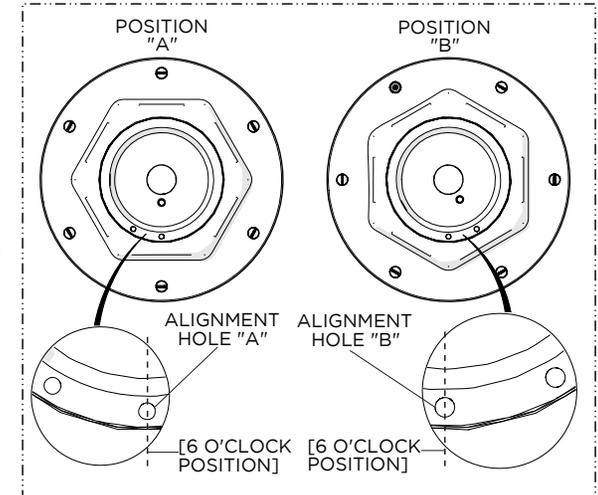


17. FULLY thread the ALL THREAD TUBE onto the CARTRIDGE then insert the SQUARE TUBE into the ALL THREAD and onto the CARTRIDGE STEM.

NOTE: The SQUARE TUBE should sit slightly recessed into the ALL THREAD TUBE.

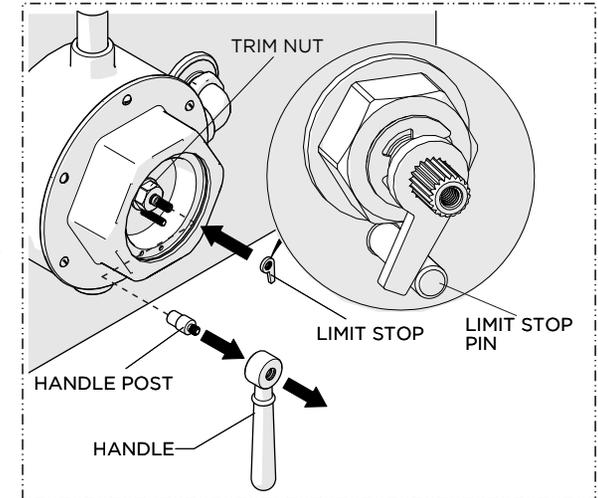


20. With water running, and using the HANDLE STEM and HANDLE adjust the temperature to the **MAXIMUM** desired bathing temperature, verified with a thermometer. Turn the water off and make sure NOT to change this setting.



18. Determine the desired TRIM PLATE orientation and position the appropriate ALIGNMENT HOLE vertically at 6 o'clock.

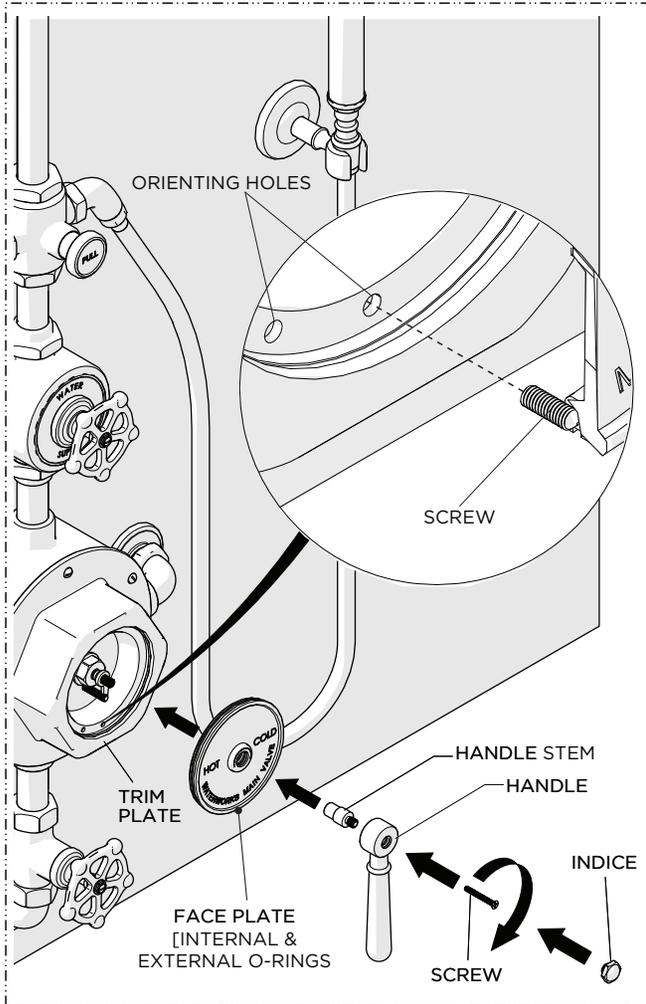
NOTE: Do NOT remove the 6 SCREWS on the PLATE. They are AESTHETIC only.



21. Remove the HANDLE and STEM then place the LIMIT STOP onto the TRIM NUT making sure it contacts with the LIMIT STOP PIN.

NOTE: The PIN prevents the HANDLE from rotating past the **MAXIMUM** desired bathing temperature.

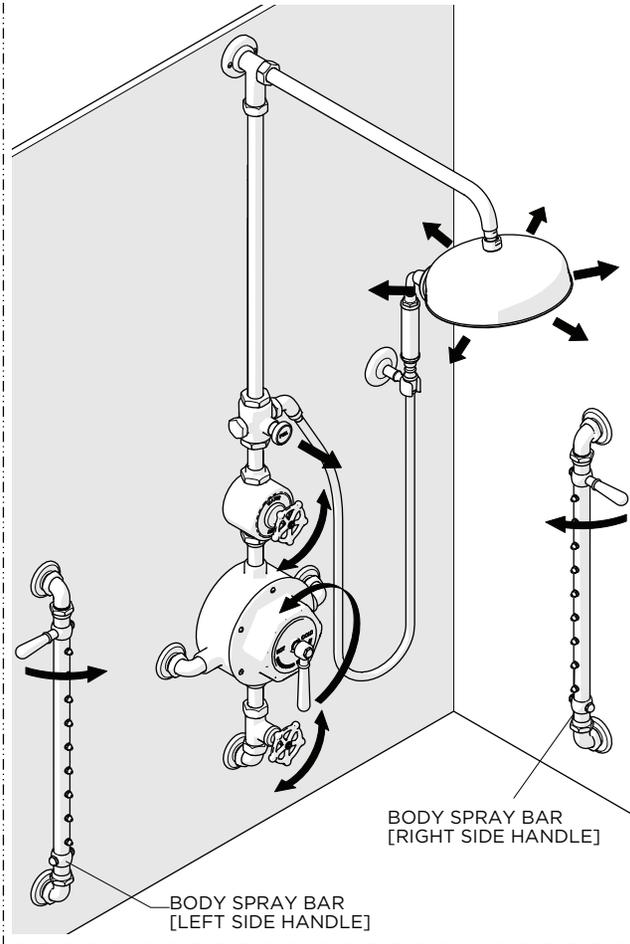
INSTALLATION GUIDELINES



22. Align the SET SCREW on the back of the FACEPLATE with the ALIGNMENT HOLE at 6 o'clock on the TRIM PLATE then push the FACEPLATE into the TRIM PLATE making sure it is fully seated.

Insert the HANDLE STEM into the FACEPLATE, place the HANDLE onto the STEM in the desired orientation, thread and securely tighten the SCREW and insert the INDICE into the HANDLE.

* TURN ON WATER AND CHECK ALL CONNECTIONS FOR LEAKS



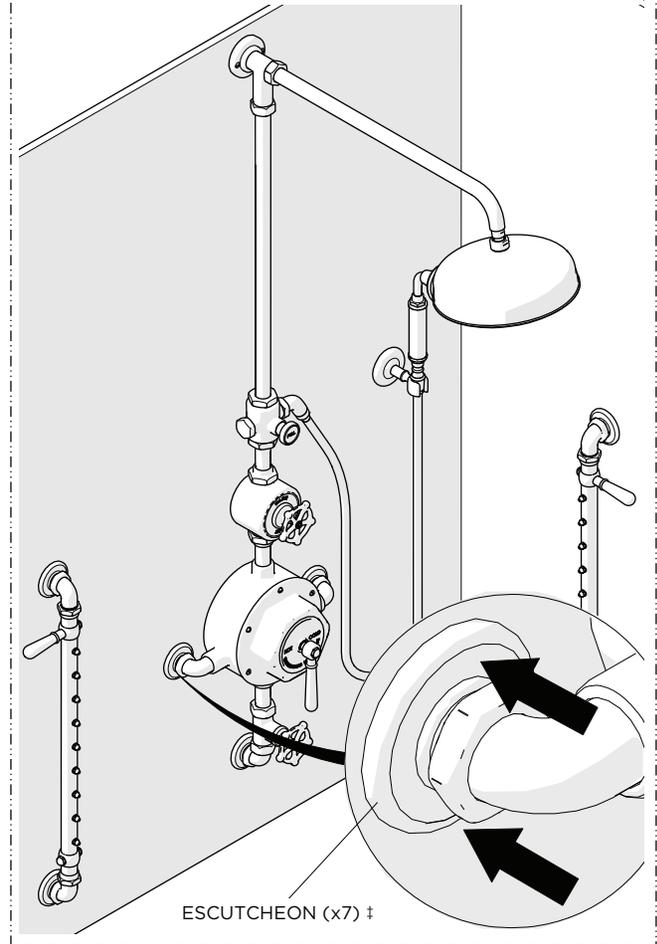
23. **INSTALL THE SPRAY BARS PER THE INSTALLATION GUIDELINES PROVIDED WITH THE BARS THEN:**

Turn on the water and operate the VALVES to ensure they function properly.

Verify the **MAXIMUM** desired bathing temperature then operate the SHOWER HEAD, HANDSHOWER, and SPRAY BARS to ensure they function properly.

Inspect all connections for leaks then turn the water off.

‡ If desired, a bead of caulk or clear silicone can be applied where the ESCUTCHEON contacts the finished wall.



24. Slide the ESCUTCHEONS (x2) on the INLET ELBOWS against the finished wall.