

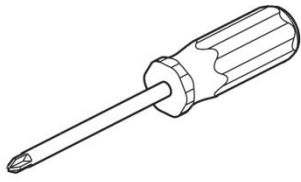
INSTALLATION GUIDE



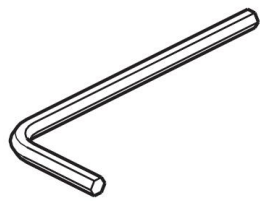
WALL-MOUNTED SHOWER SYSTEM

CUSTOMER CARE LINE: +1-866-203-0866

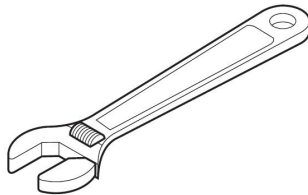
TOOLS RECOMMENDED



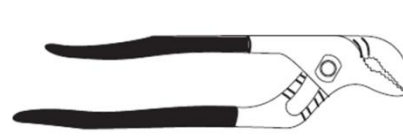
Philips Screwdriver



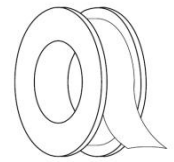
Allen Wrench



Adjustable Wrench



Channel Locks



Teflon Tape

INSTALLATION STEPS

1. BEFORE PROCEEDING



WARNING: Before beginning any installation or operation, read all instructions carefully. If you are unsure about installing this product, consult a licensed professional. This product must be installed in compliance with all applicable local and state plumbing and building codes. Professional assistance is strongly recommended.

2. SHUT OFF WATER SUPPLY

Locate the water supply inlets and turn off the corresponding water supply valves, typically located under the sink or near the water meter. If replacing an existing unit, remove the old unit and thoroughly clean the mounting surface to ensure proper installation.

3. CHECKING THE CONTENTS OF THE BOX

Upon opening the box, verify that all the listed components are included.

If any of these items are missing, please contact SUMERAIN consumer service by email to: support@sumerain.com.

4. PLANNING AND INSTALLATION INSTRUCTIONS



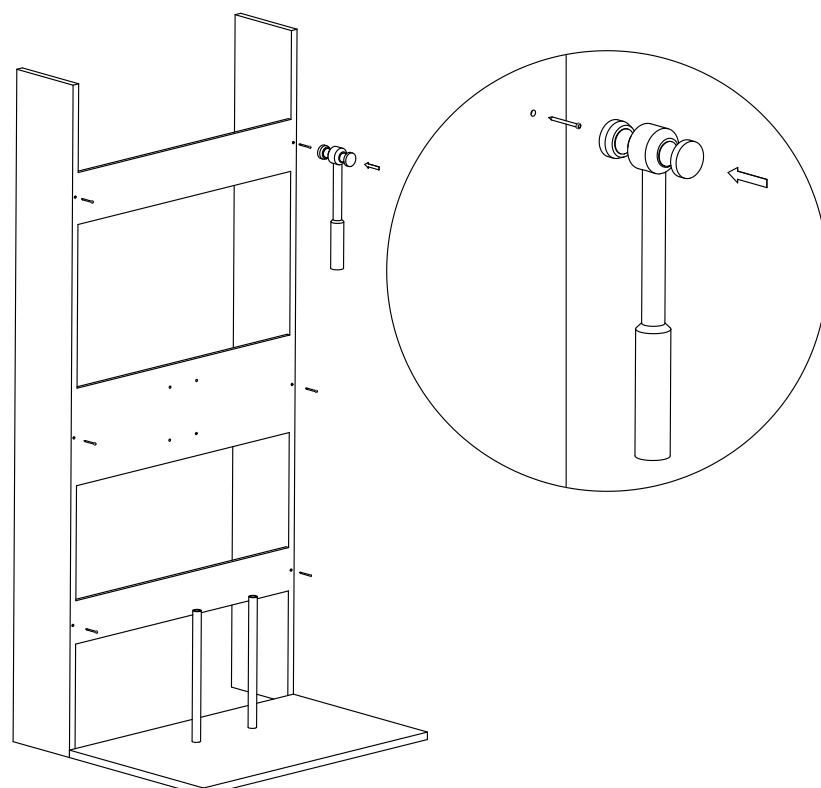
Attention: The shower must be installed, flushed, and inspected in accordance with applicable regulations to ensure proper functionality.

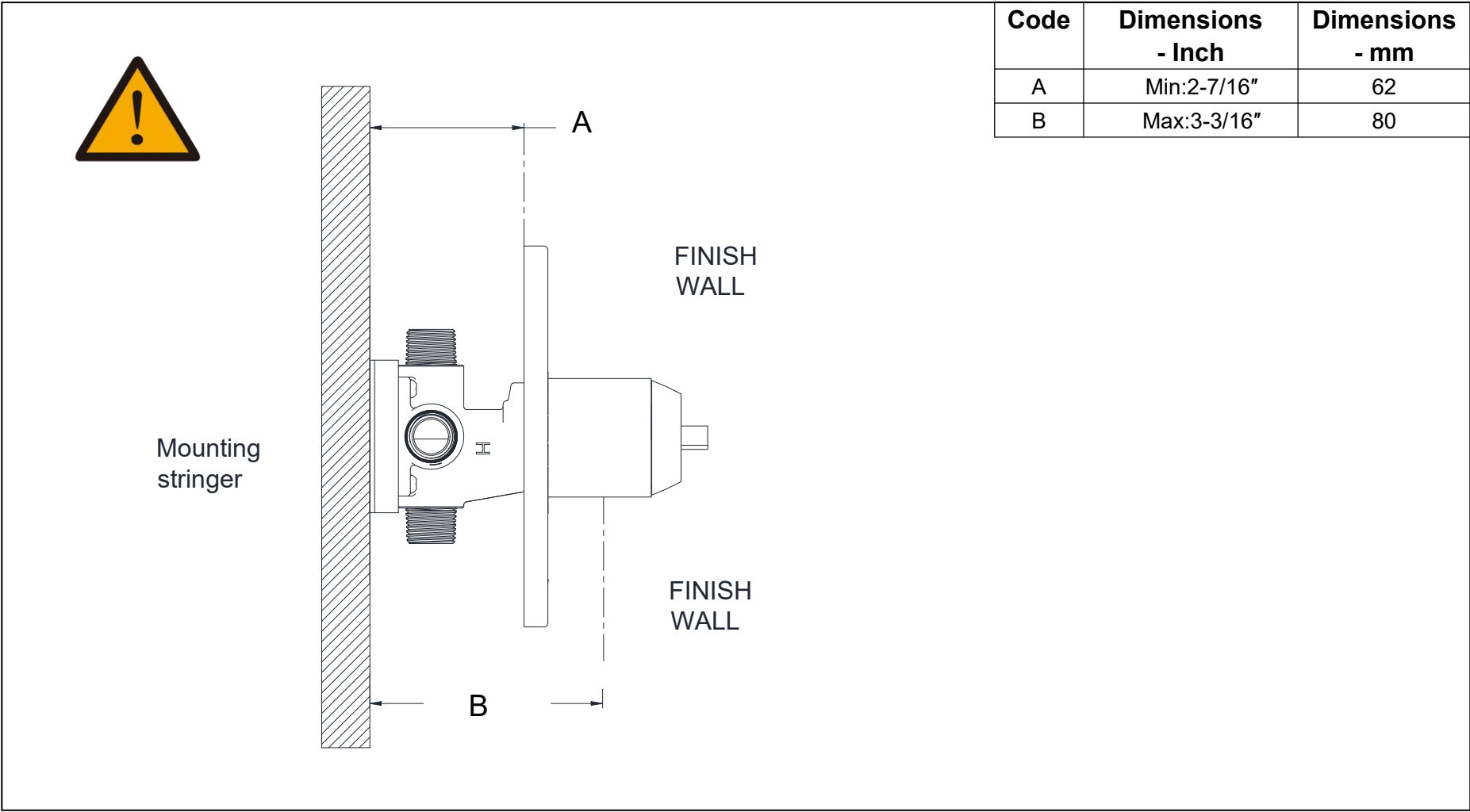
The dimensions of the shower setup must be determined individually to fit the installation requirements and comply with applicable guidelines.

- Operating pressure for the control valve:
 - Maximum: 145 PSI.
 - Recommended: 43.5 PSI.
- Maximum hot water temperature: 140°F.

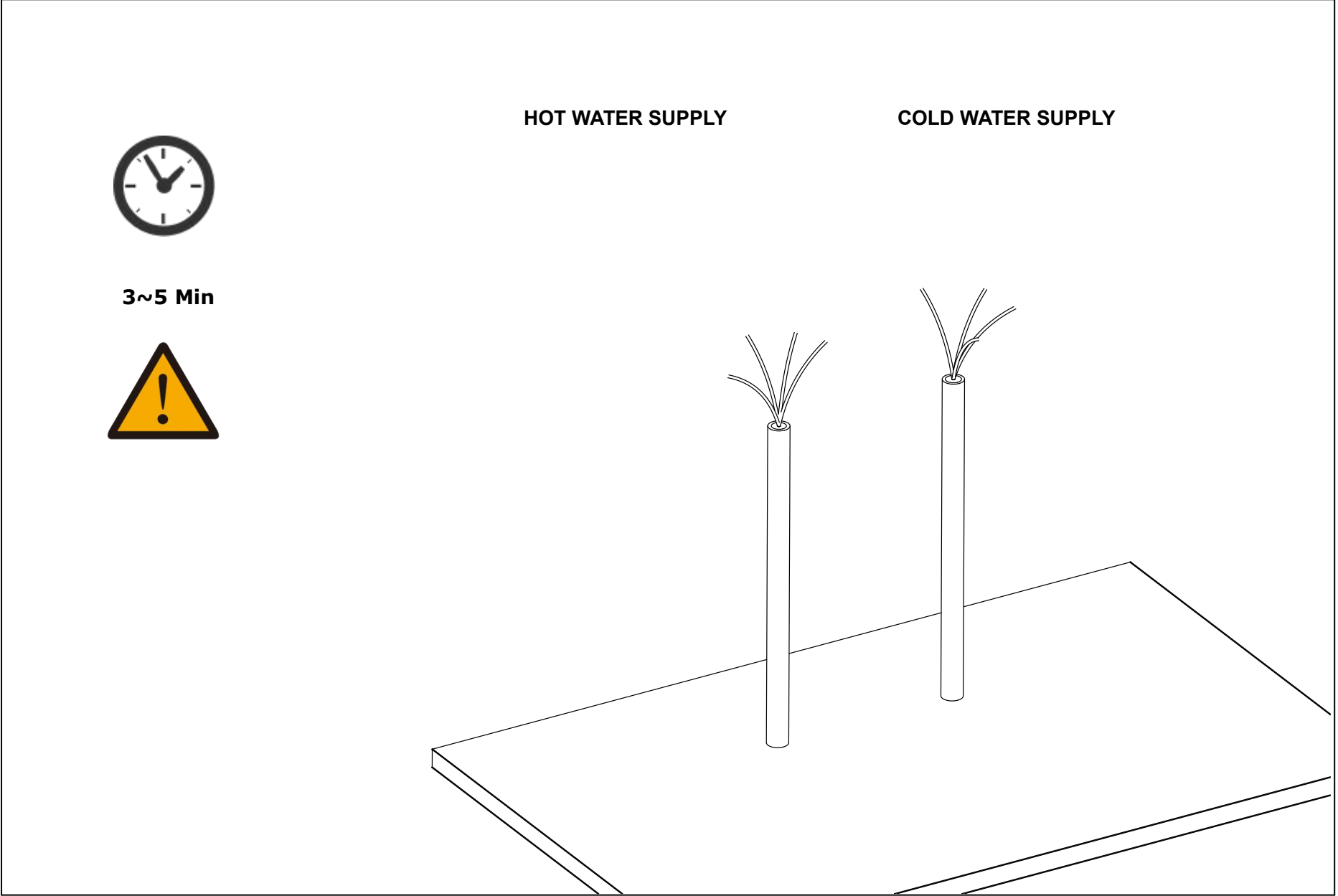
5. Rough-in Valve Installation

5.1 Construct a wooden mounting rack to secure the rough-in valve assembly. Position the face of the mounting board between 2-7/16" and 3-3/16" behind the finished wall surface.

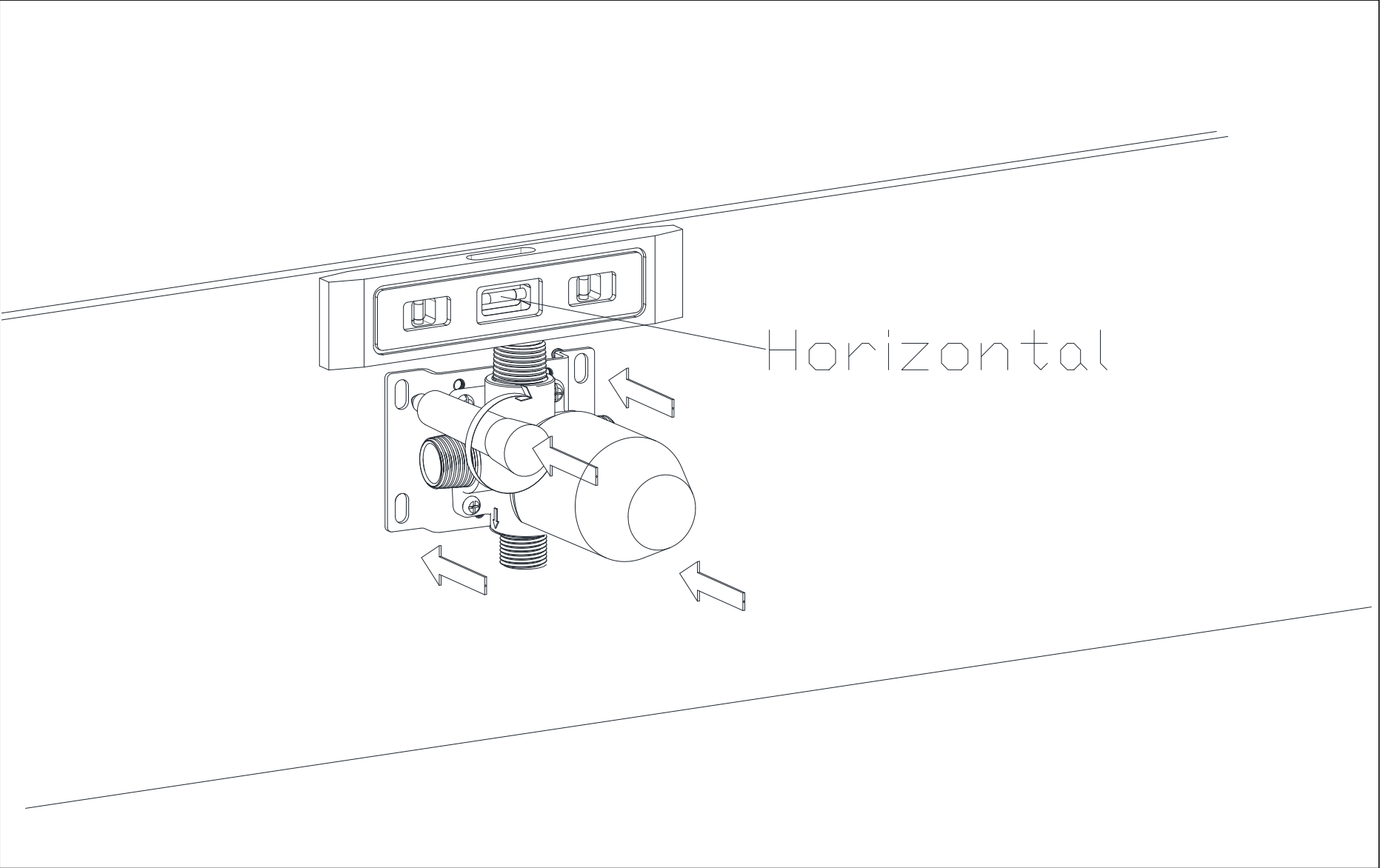




5.2 Turn on your shut-off valve for cleaning the hot and cold water supply pipe before connect to the valve body, allow the water flush 3~5 minutes to flush out dirt and debris. Shut off the water supply again after finish.



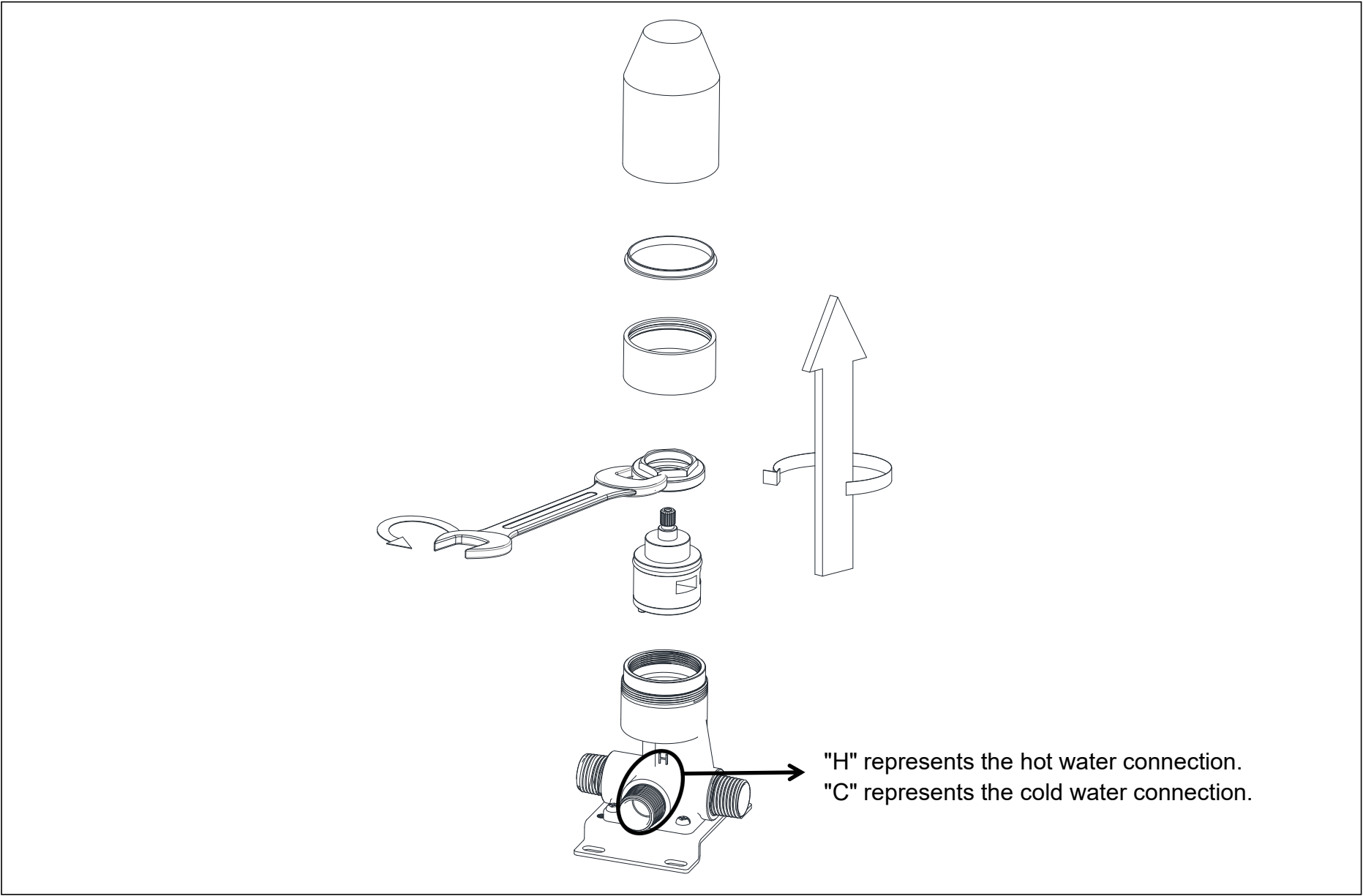
5.3 Use a spirit level to position and level the valve assembly. Mark the rough-in valve's mounting holes on the mounting rack.



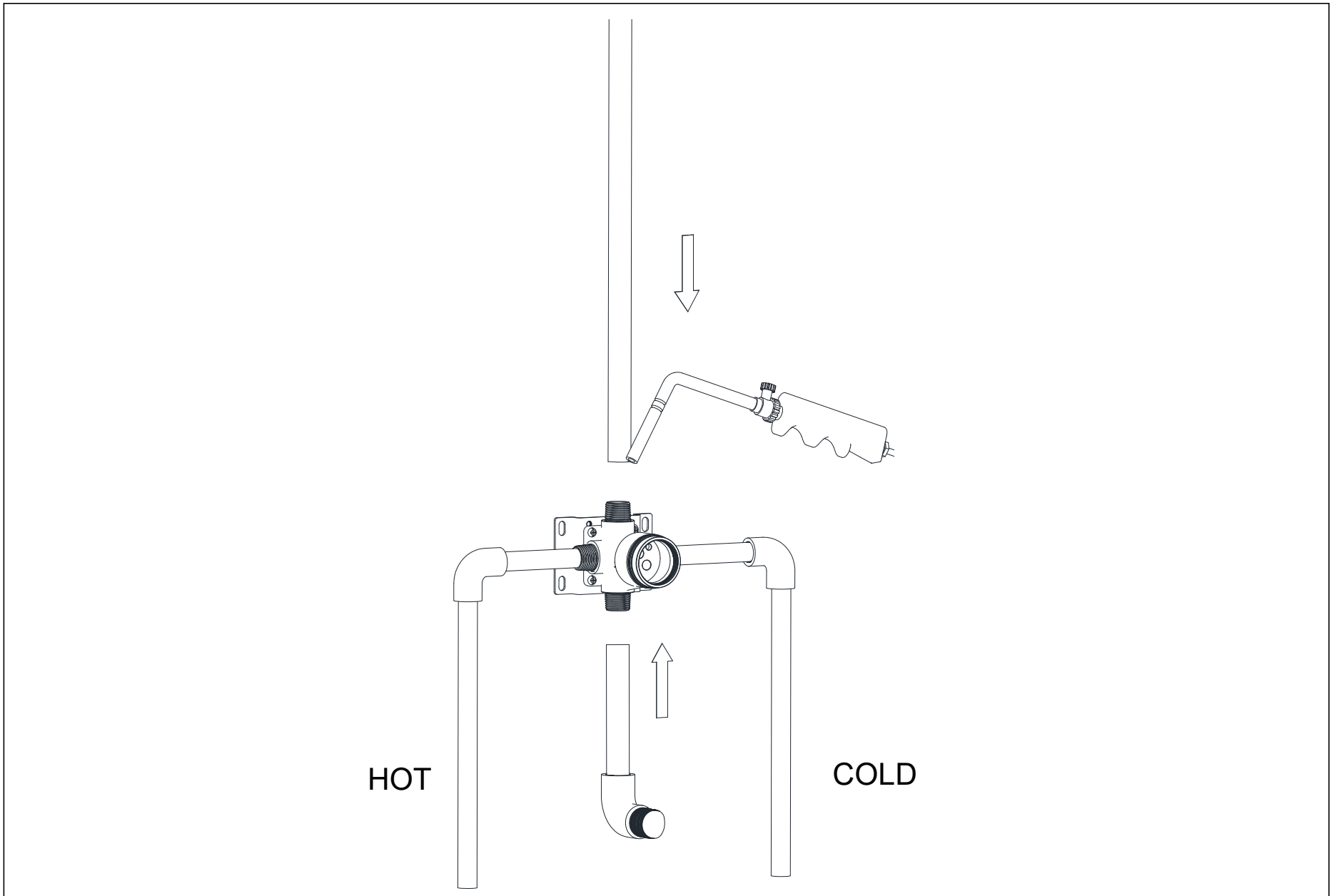
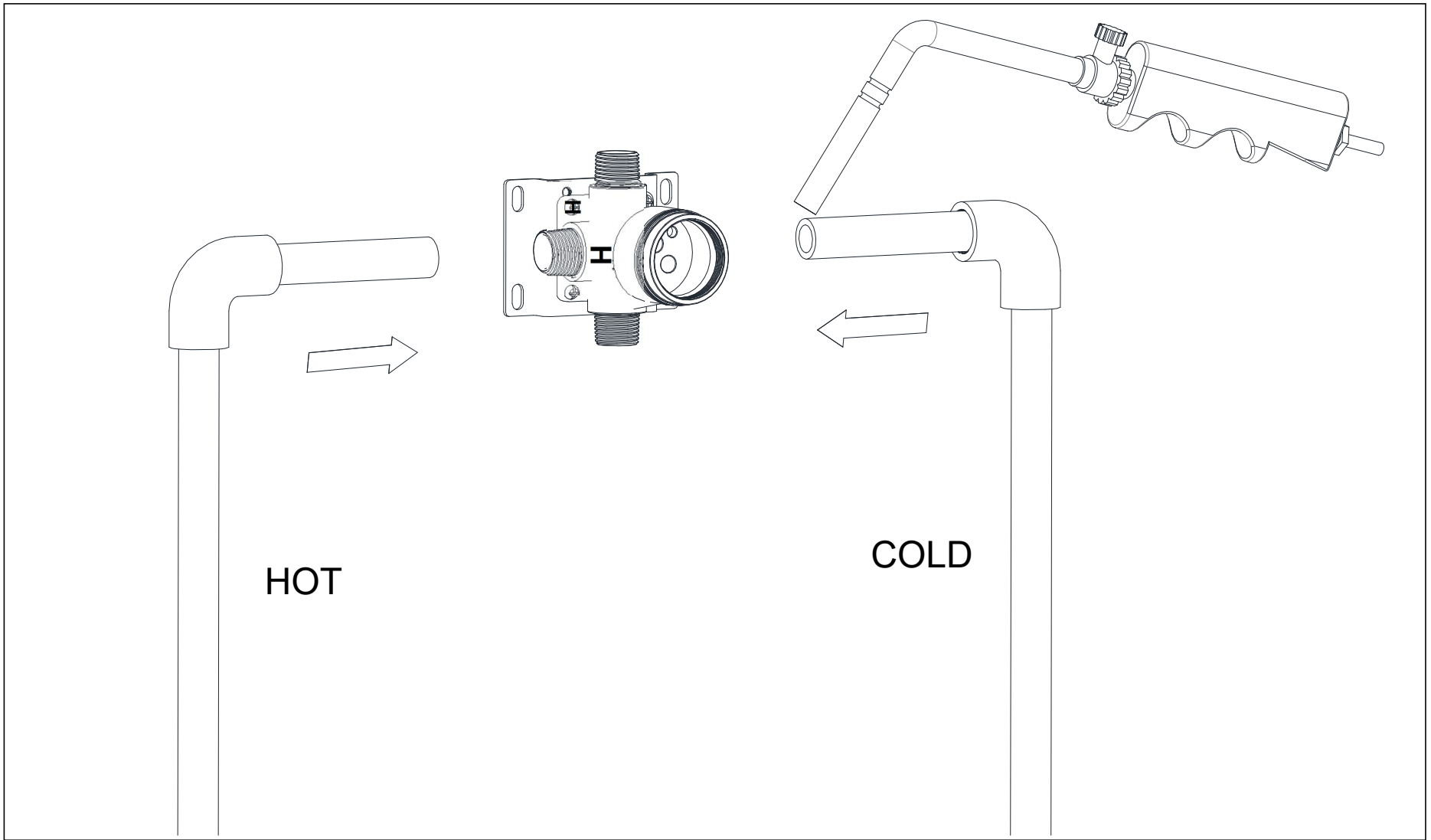
5.4 Connect the valve body to the water supply system using the appropriate fittings for your valve type (copper tubing, iron pipe, or PEX).

Note: For PEX installations, ensure the use of proper crimp fittings and a compatible cold expansion tool for secure connections. For copper tubing:

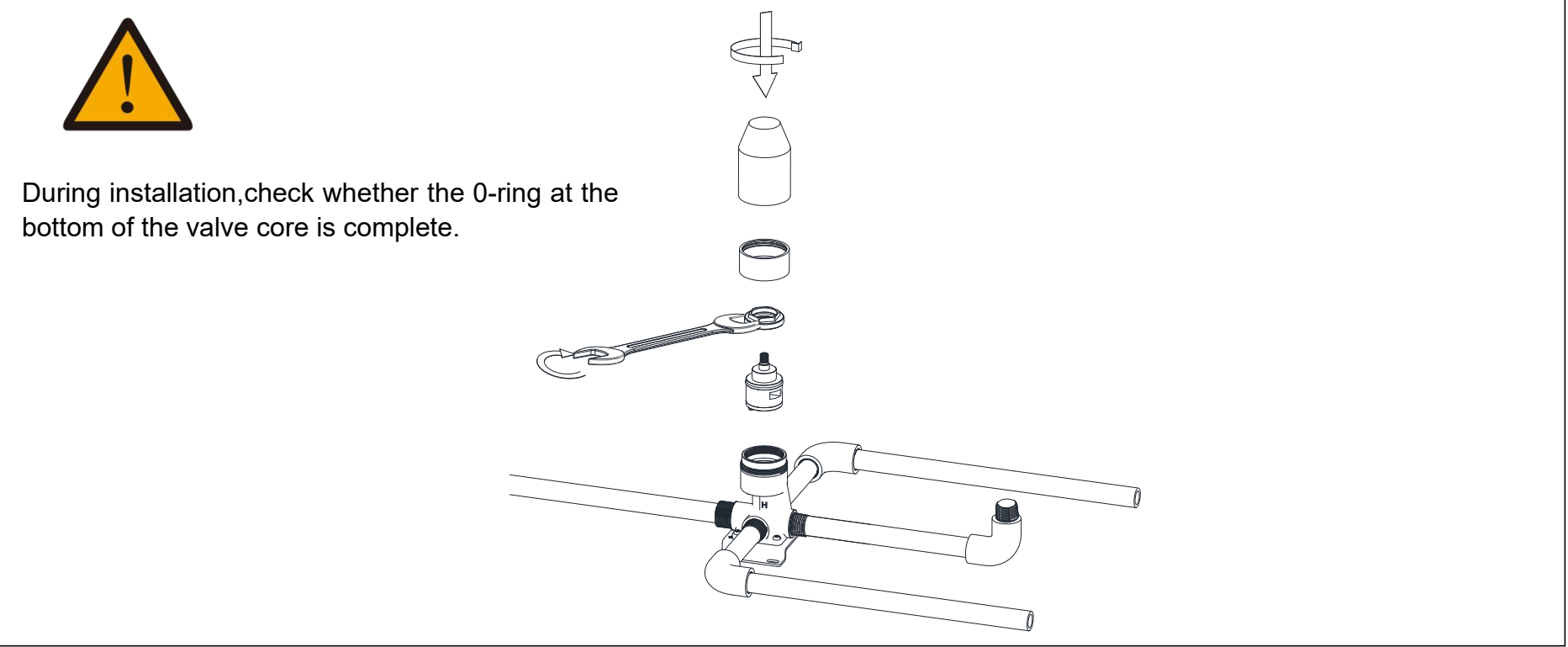
5.4.1(a) Remove the cartridge from valve body before soldering.



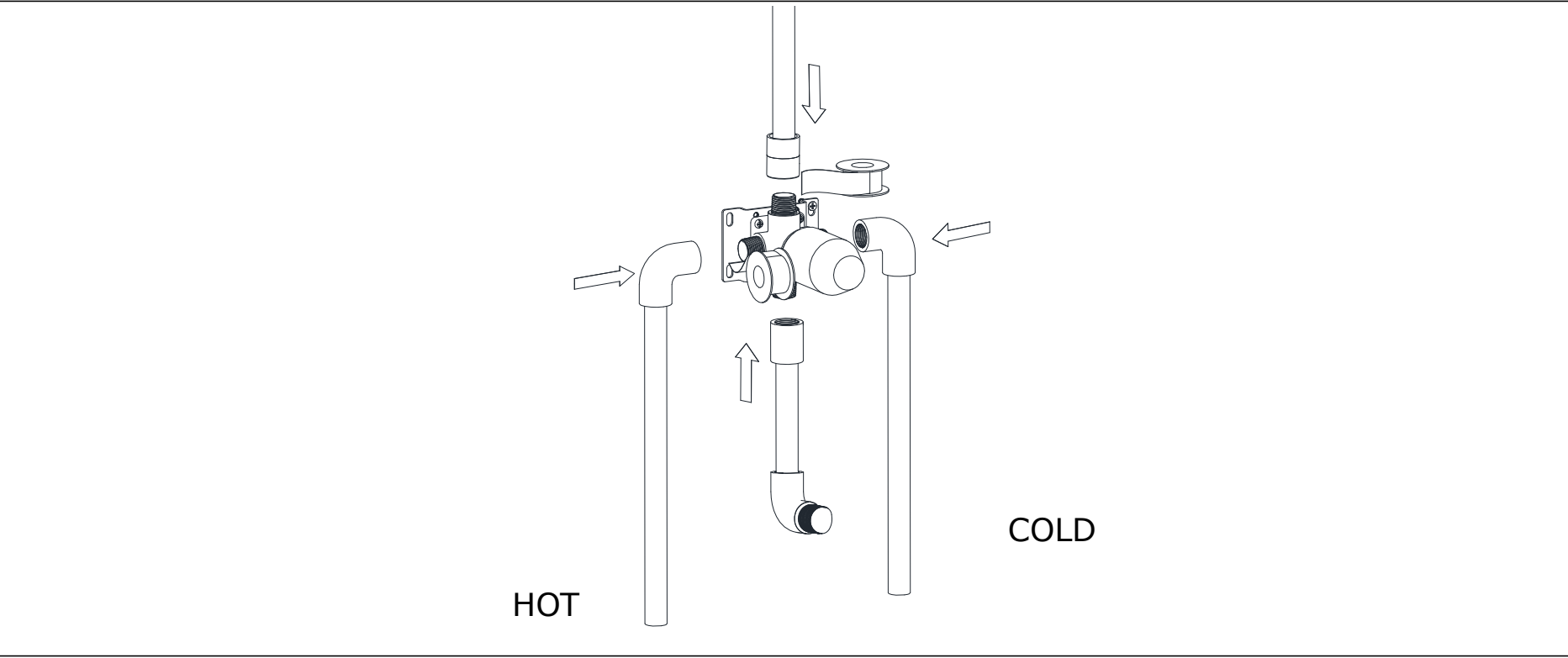
5.4.2(a) Solder copper pipes to the valve body's hot (H) and cold (C) water inlets, top shower outlet, and bottom outlet, then secure the plugs.



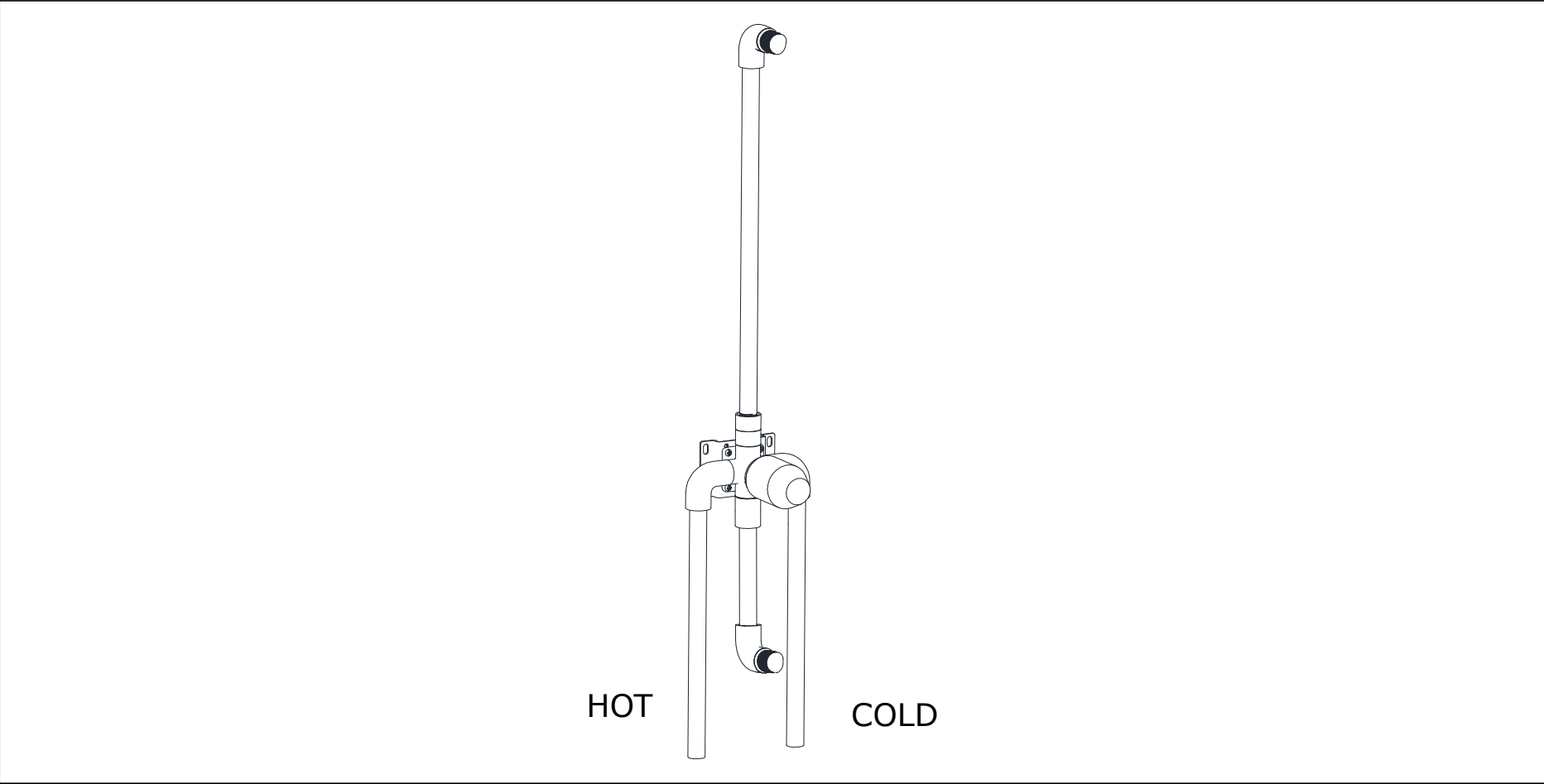
5.4.3(a) Reinstall the rough-in valve components.



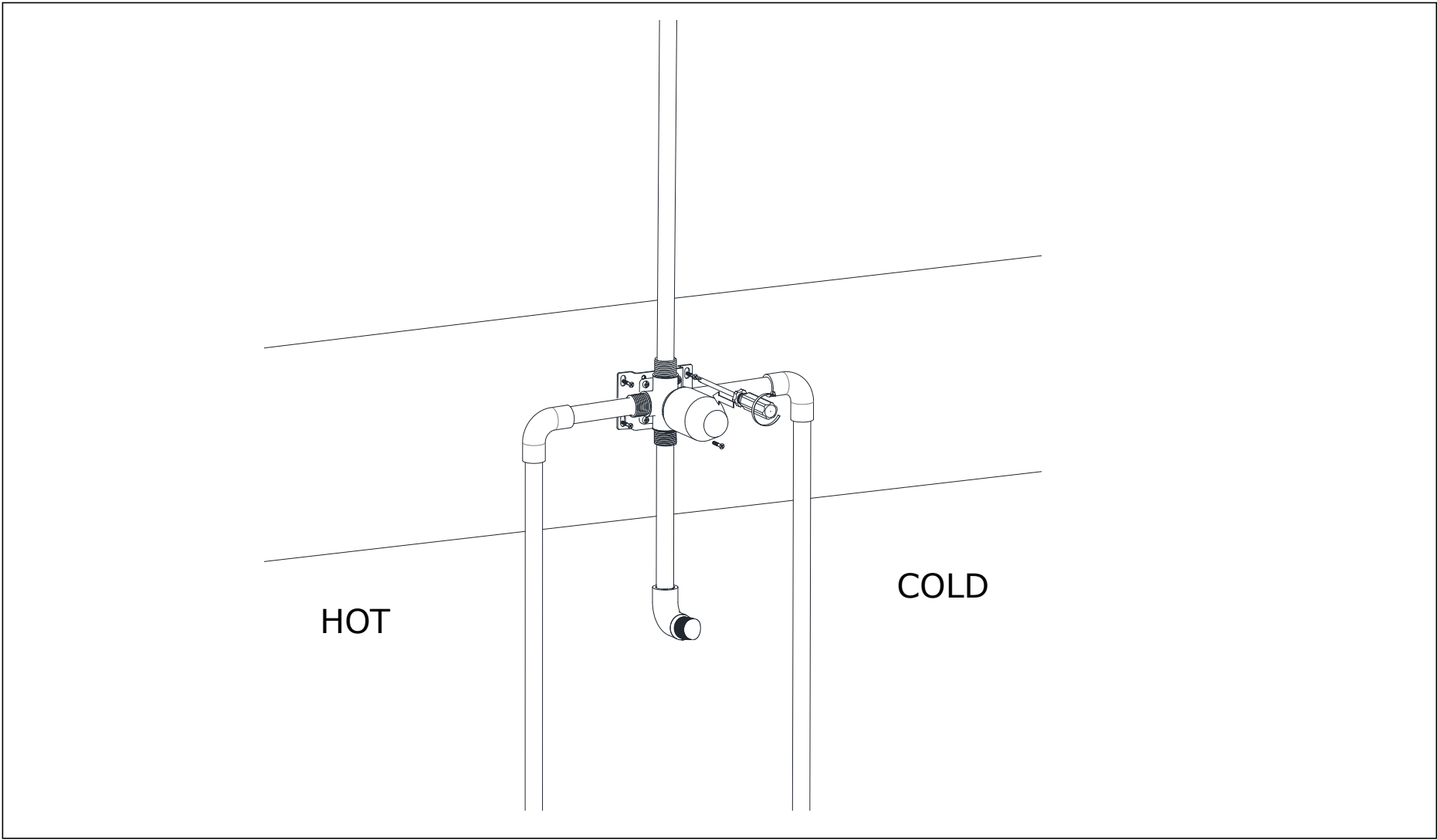
5.4.4 Skip steps 5.4.1(a) to 5.4.3(a) when using PEX or PVC fittings; disassembly is not required. Apply Teflon tape to the valve body threads and connect the supply and shower pipes using PEX fittings (hot water on the left, cold water on the right).



5.4.5 Rough-in valve installation is complete.



5.4.6 Align and level the valve assembly, then secure it to the mounting bracket using screws and anchors.



Align the elbow's front face with the finished wall.



Incorrect installation depth may cause connector leaks or require costly custom extension parts.

Female Thread: NPT 1/2"

Finish Wall

External Thread: NPT 1/2"

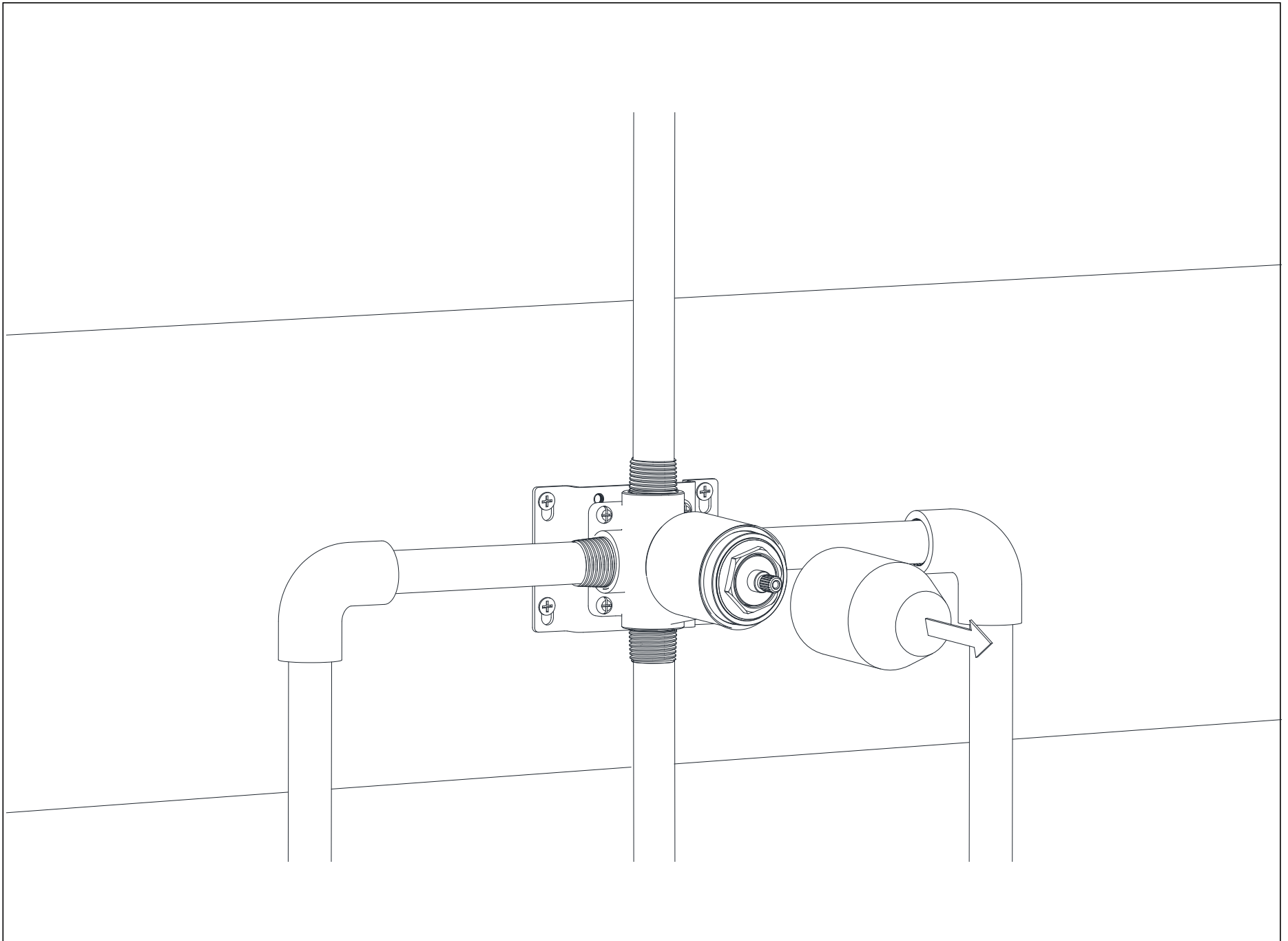
Code	Dimensions - Inch	Dimensions - mm
E	Min:13/32" Max:13/16"	Min:10 Max:20

Finish Wall

C

6. VALVE TRIM INSTALLATION

6.1 Remove the plaster guard cover.



6.2 Plumbing Pressure Testing and Leak Testing.

(a.) Water Pressure Testing Standards

Test Pressure:

- The test pressure shall be 1.5 times the working pressure of the piping system, but not less than 60 PSI (pounds per square inch).
- If the design working pressure of the piping system is less than 60 PSI, the test pressure shall be 60 PSI.
- Recommended test pressure: 100 PSI to 120 PSI (approximately 6.9 to 8.2 bar).

Test Duration:

- The test duration is typically 15 minutes.
- During the test, the pressure should remain stable with no significant drop.

Testing Method:

1. Seal the piping system, ensuring all openings (e.g., faucets, valves) are closed.
2. Use a manual pump or pressure testing equipment to pressurize the system to the specified test pressure.
3. Observe the pressure gauge to ensure the pressure remains stable during the test.
4. Inspect all connections, joints, and faucets for any signs of leakage.

Pass Criteria:

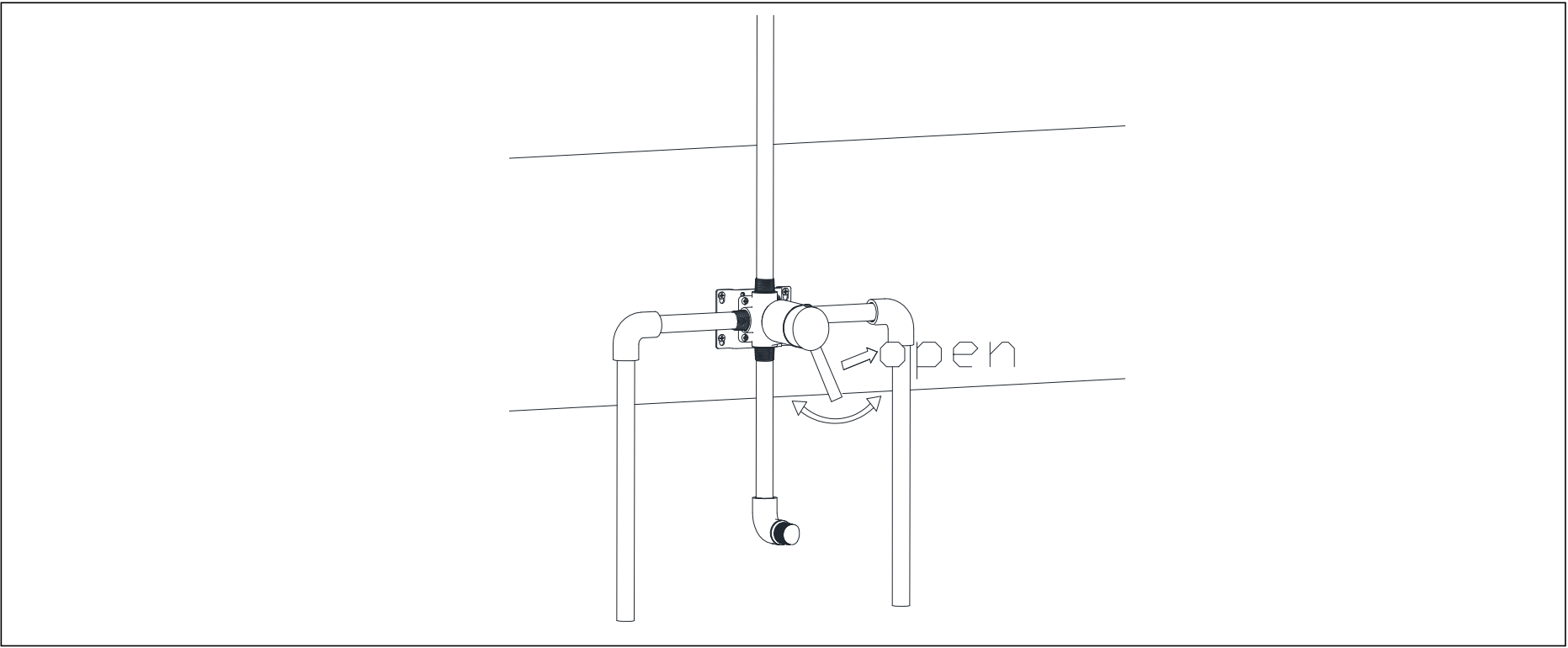
- If the pressure remains stable with no significant drop and no leakage is observed during the test, the piping system passes the test.
- If the pressure drops or leakage is detected, repair the issue and retest.



Precautions:

- Safety: The test pressure should not exceed the rated pressure of the pipes and fittings to avoid damage.
- Record: Record the test pressure, duration, and results for future inspection or maintenance purposes.

(b.) Leak Testing: After completing the plumbing pressure test, turn on the hot and cold water supply again and check all connections for leaks. If no leaks are detected, shut off the hot and cold water supply and reinstall the plaster guard covers.



Precautions:

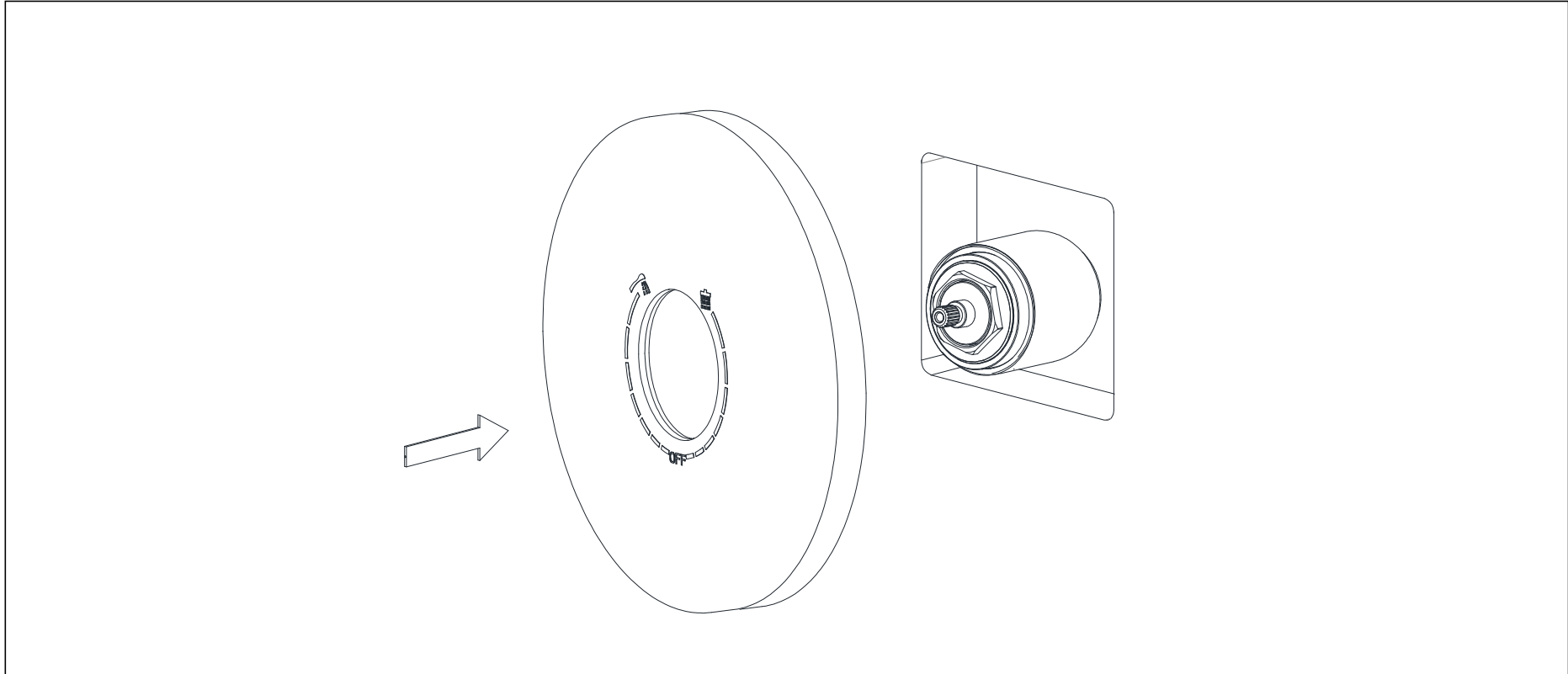
- Record: Record the test pressure, duration, and results for future inspection or maintenance purposes.

6.3 Complete the finished wall and create an access panel if future maintenance is needed.

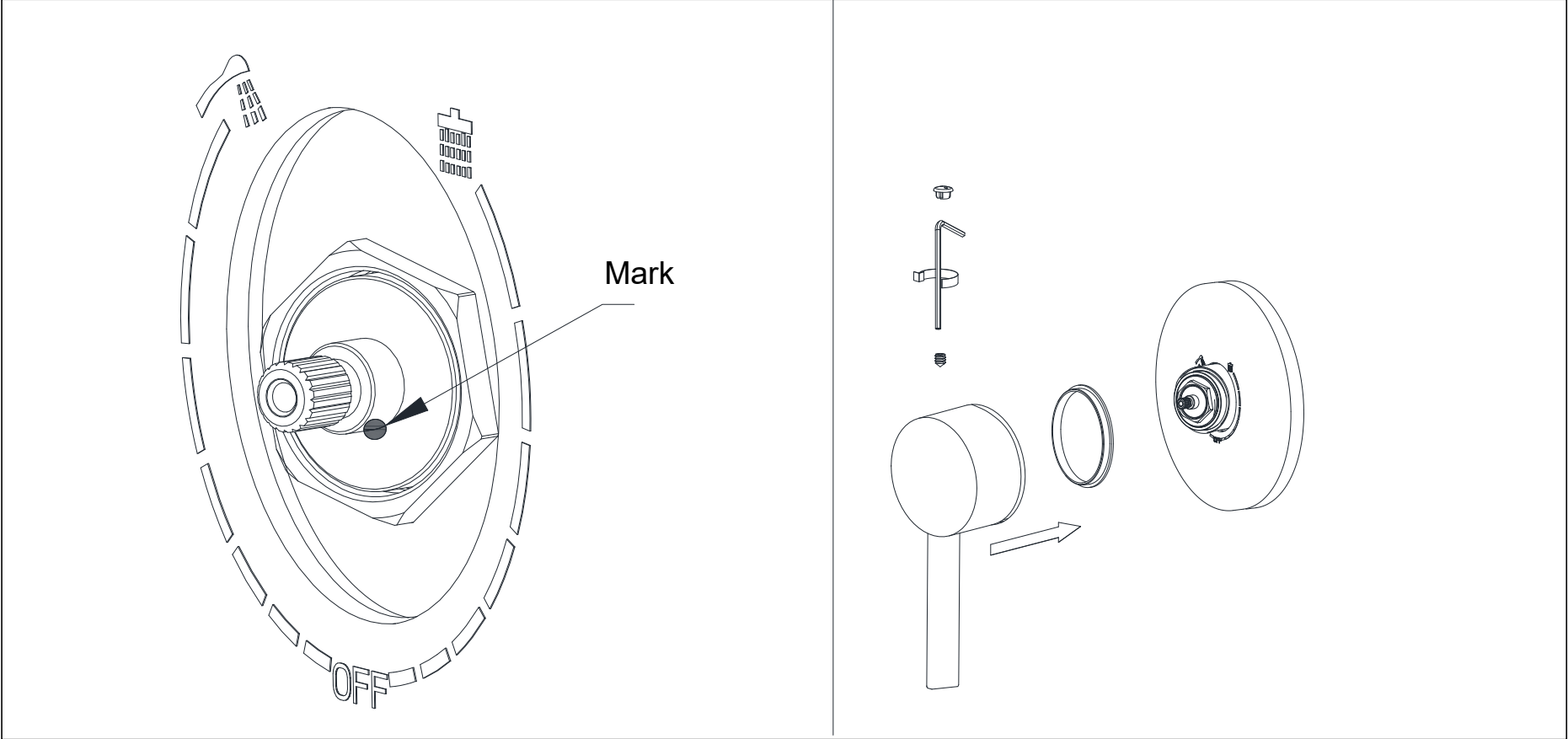
A technical line drawing of a valve body. Dimension C is indicated by a horizontal double-headed arrow above the valve body. Dimension D is indicated by a vertical double-headed arrow to the right of the valve body.

Code	Dimensions - Inch	Dimensions - mm
C	3-5/32"	80
D	3-5/32"	80

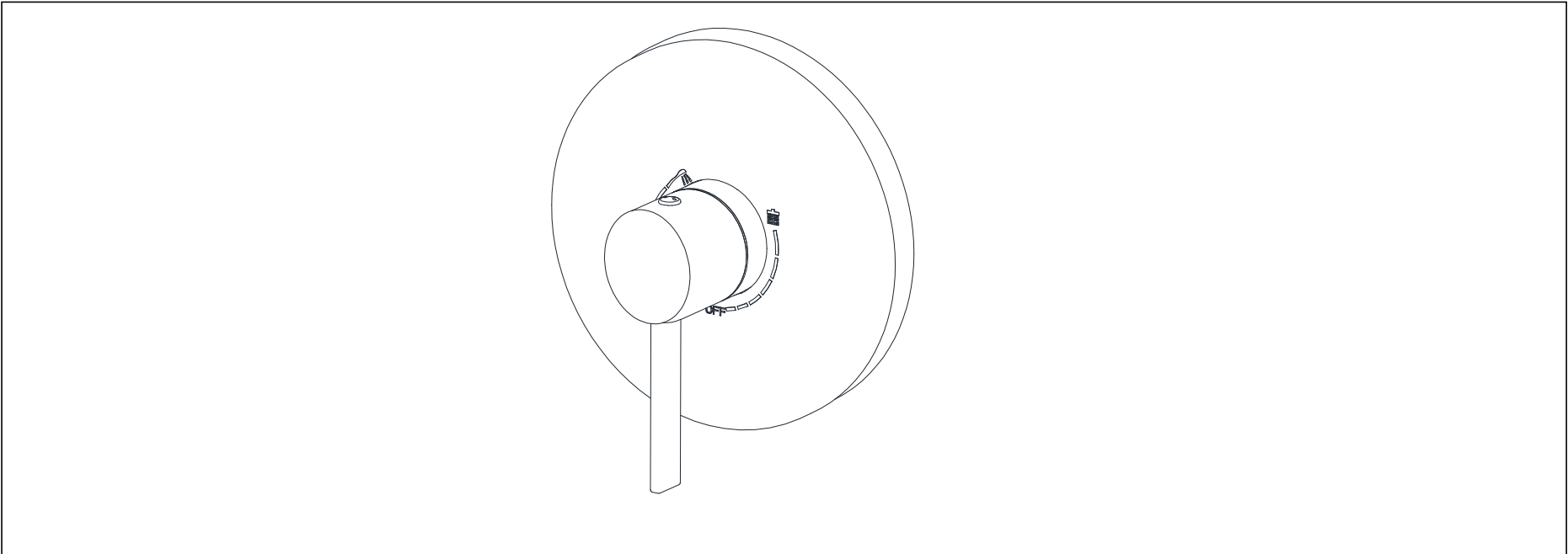
6.4 Install the escutcheon onto the valve body.



6.5 Ensure the valve stem is aligned with its markings. Attach the handle, tighten the set screw with the provided Allen wrench (do not over tighten), and press in the screw cover.



6.6 Valve trim installation is complete.



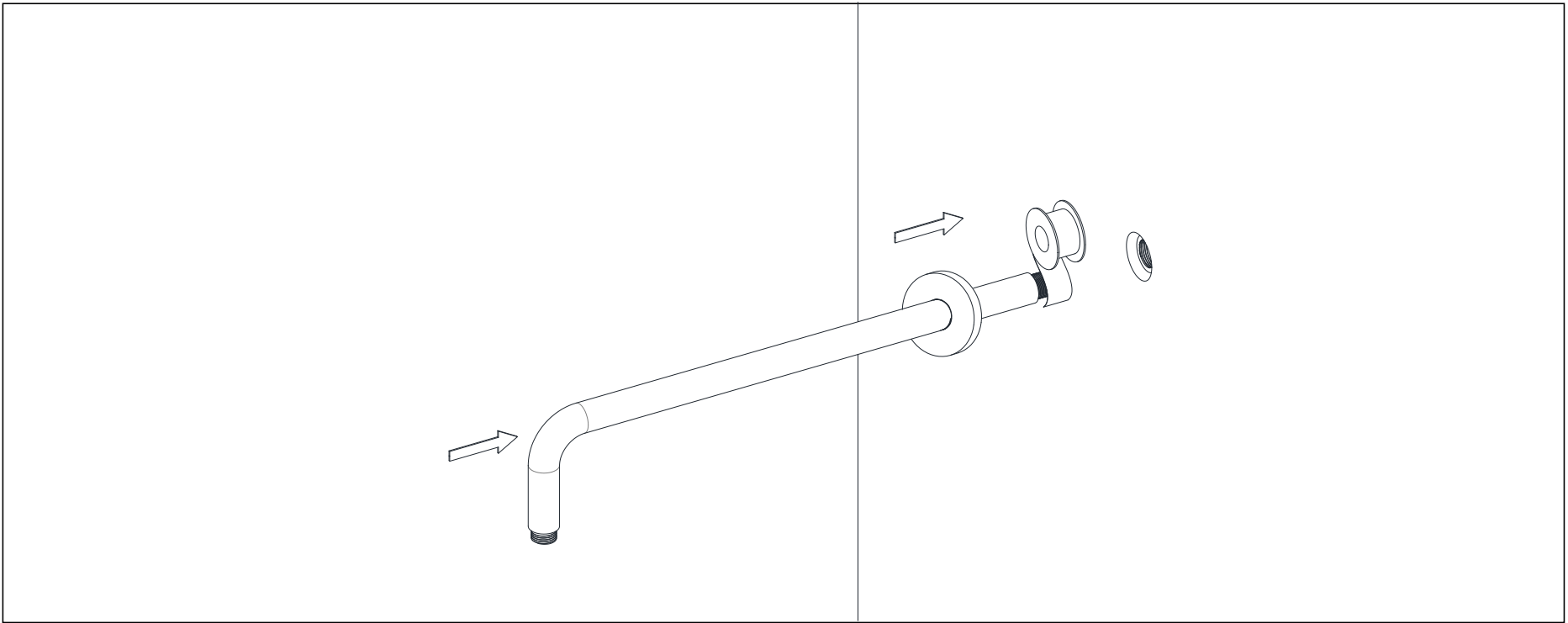
7. SHOWERHEAD INSTALLATION

7.1 Slide the escutcheon onto the shower arm and apply Teflon tape to the shower arm threads. Secure the shower arm to the wall pipe elbow by rotating clockwise.

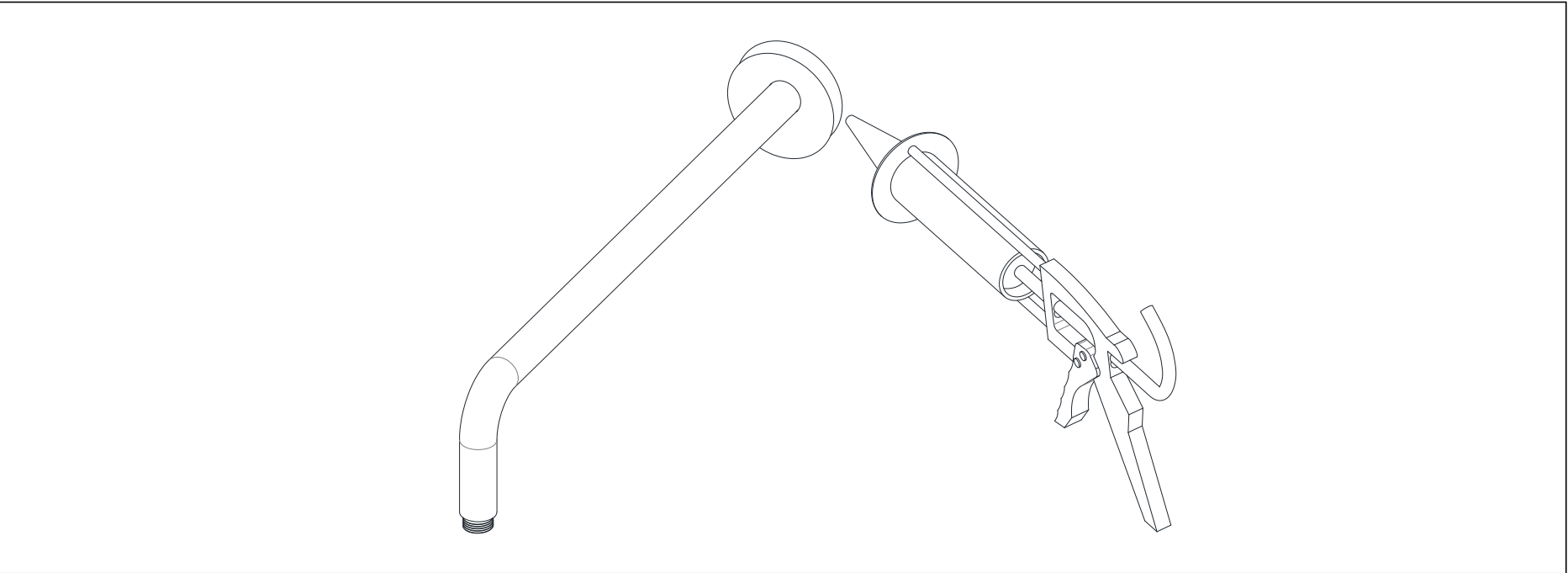
Standard shower arm inlet thread: NPT 1/2" (US, CA)

Region	Code	Specifications
US	Y	NPT 1/2"
Europe	Y	G1/2"
UK&Other	Y	G1/2"
US	Z	G1/2"
Europe	Z	G1/2"
UK&Other	Z	G1/2"

The diagram shows a shower arm assembly. A long, curved shower arm is shown with a threaded end. An arrow labeled 'Y' points to the threaded end of the shower arm. Another arrow labeled 'Z' points to the elbow of the shower arm. To the right of the shower arm, there is a circular escutcheon plate with a central hole. A large arrow points from the escutcheon towards the shower arm, indicating it should be slid onto the arm.



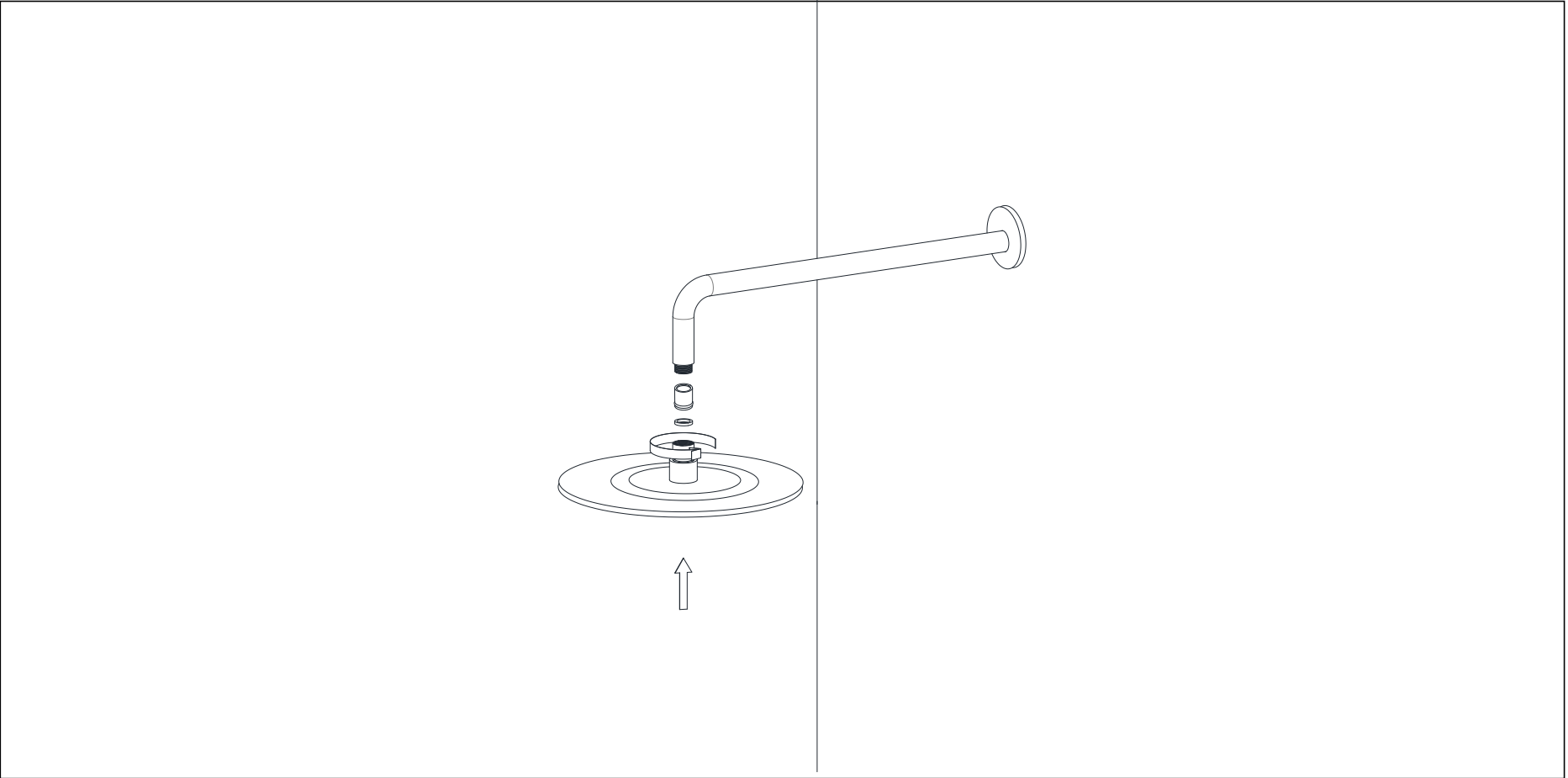
7.2 Apply waterproof sealant around the shower arm escutcheon to seal the wall.



7.3 Place the screen washer into the showerhead connector and insert the check valve into the shower arm. Hand-tighten the showerhead onto the shower arm by rotating clockwise.

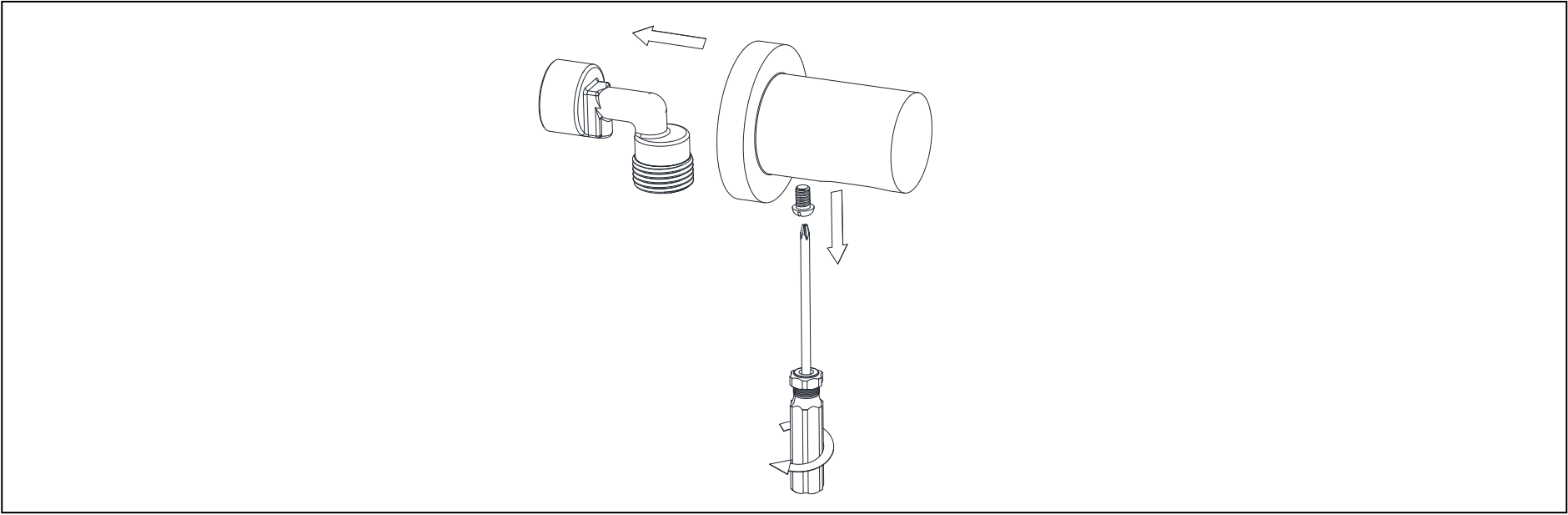


Note: Missing the screen washer or check valve may result in improper shower function.

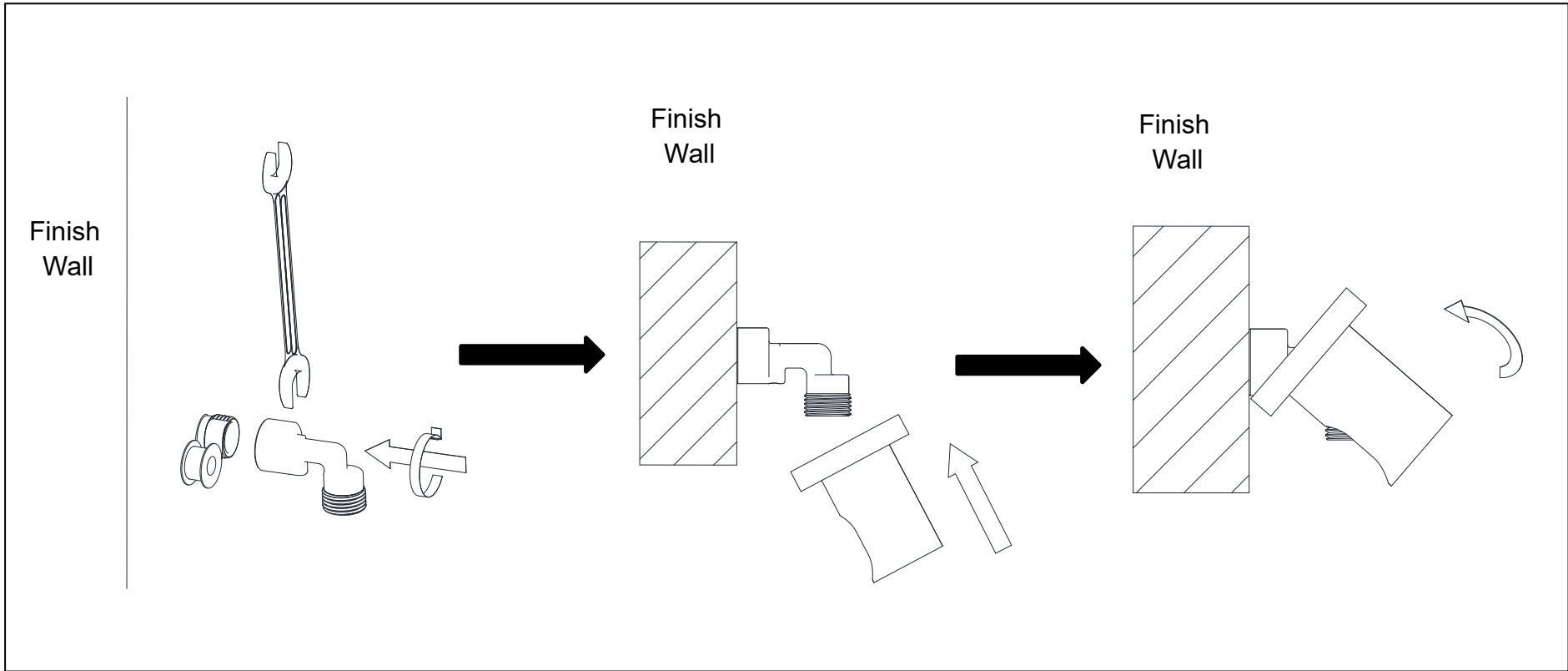


8. HAND SHOWER INSTALLATION

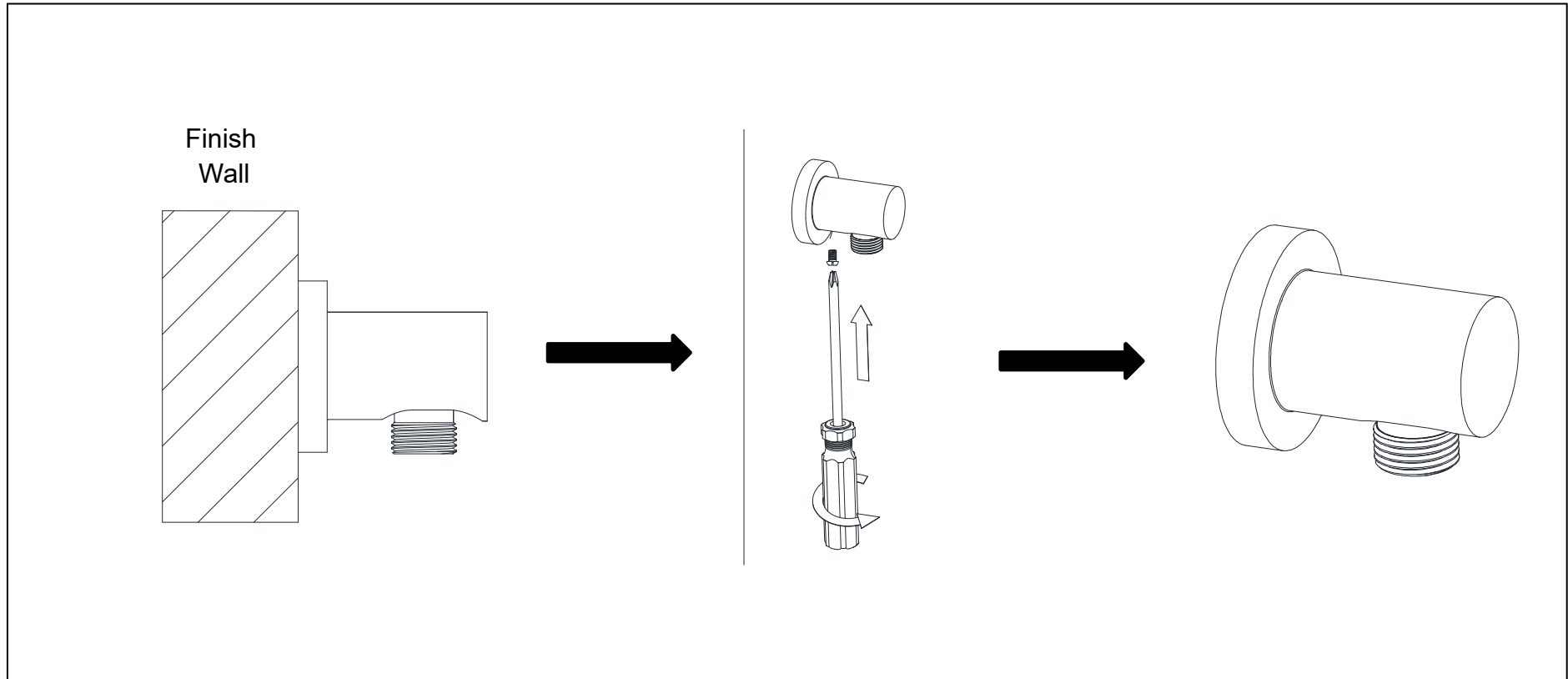
8.1 Disassemble the wall supply elbow.

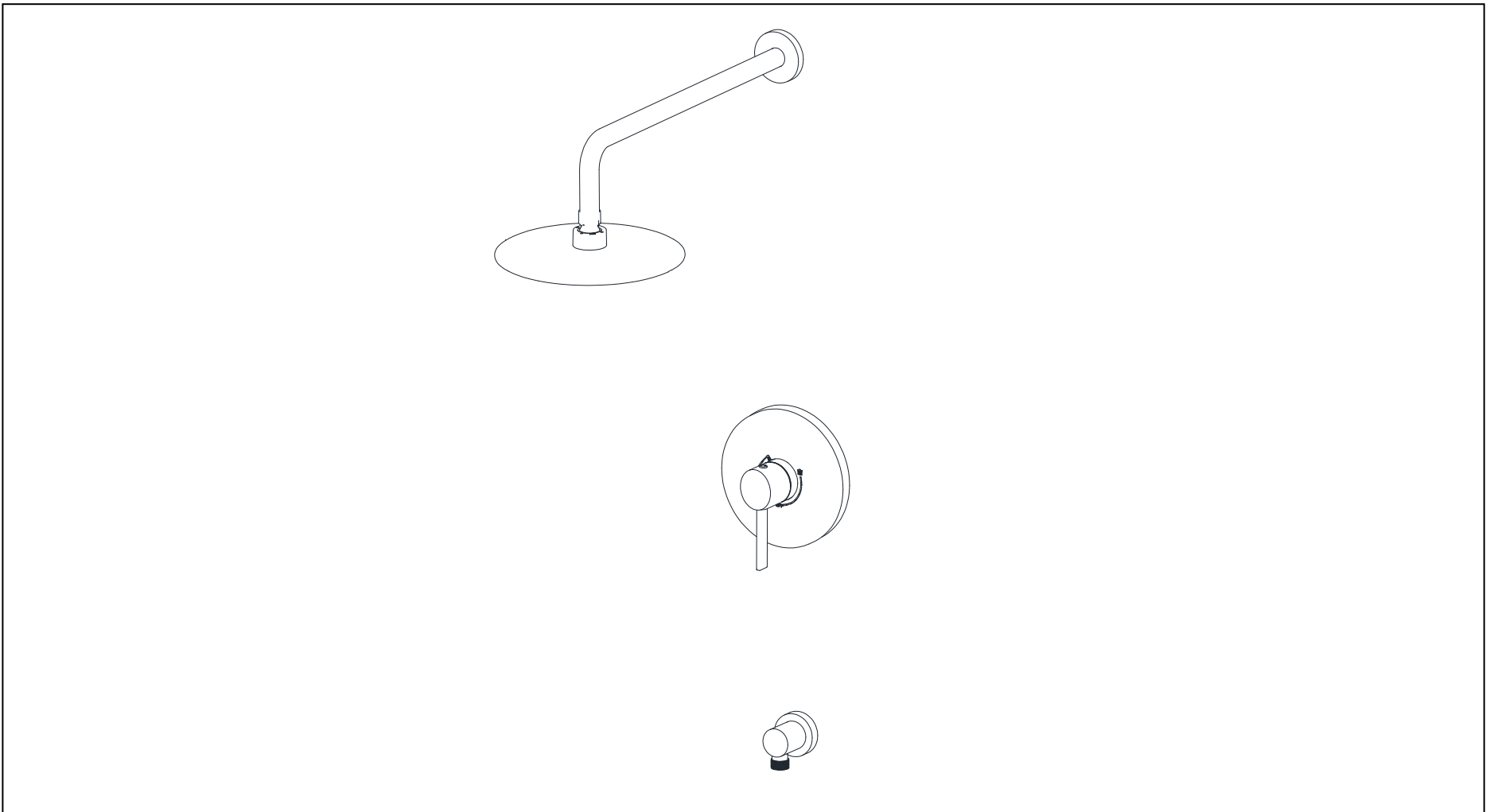


8.2 Tighten the wall elbow onto the water outlet using a wrench, then slide the trim into place.



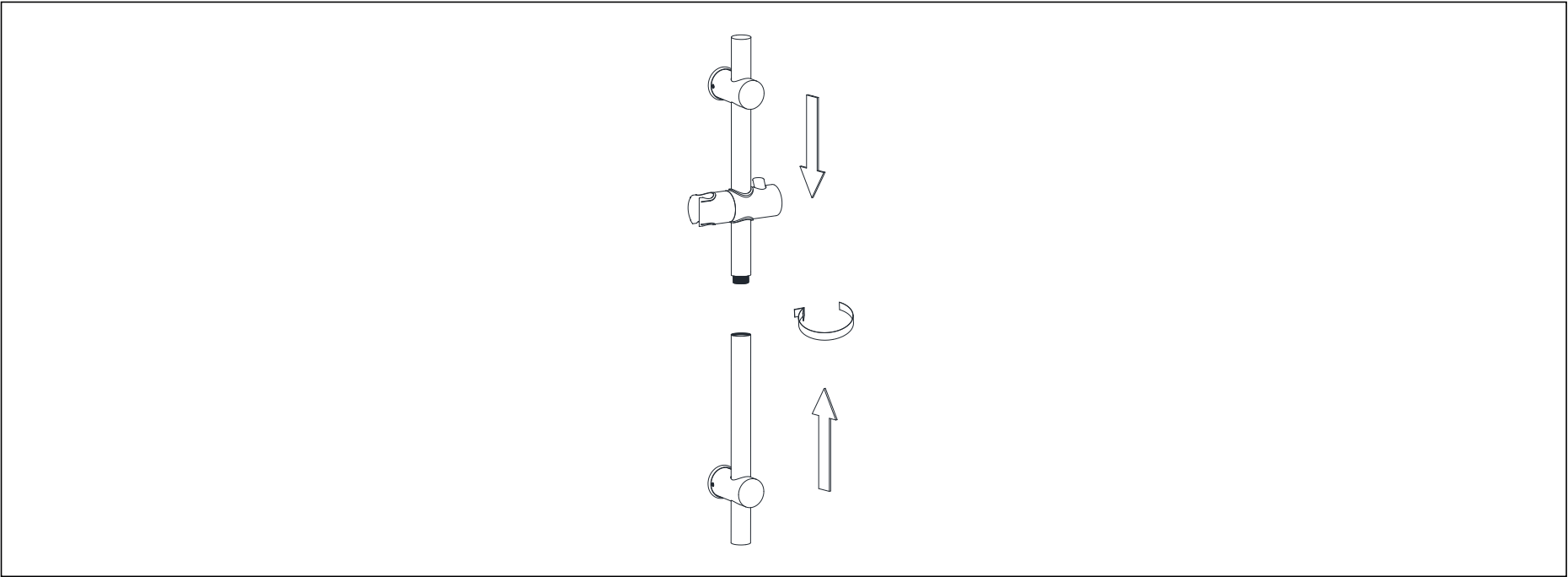
8.3 Position the wall elbow trim flush against the finished wall, then secure the trim to the wall elbow valve by tightening the screw from the bottom.



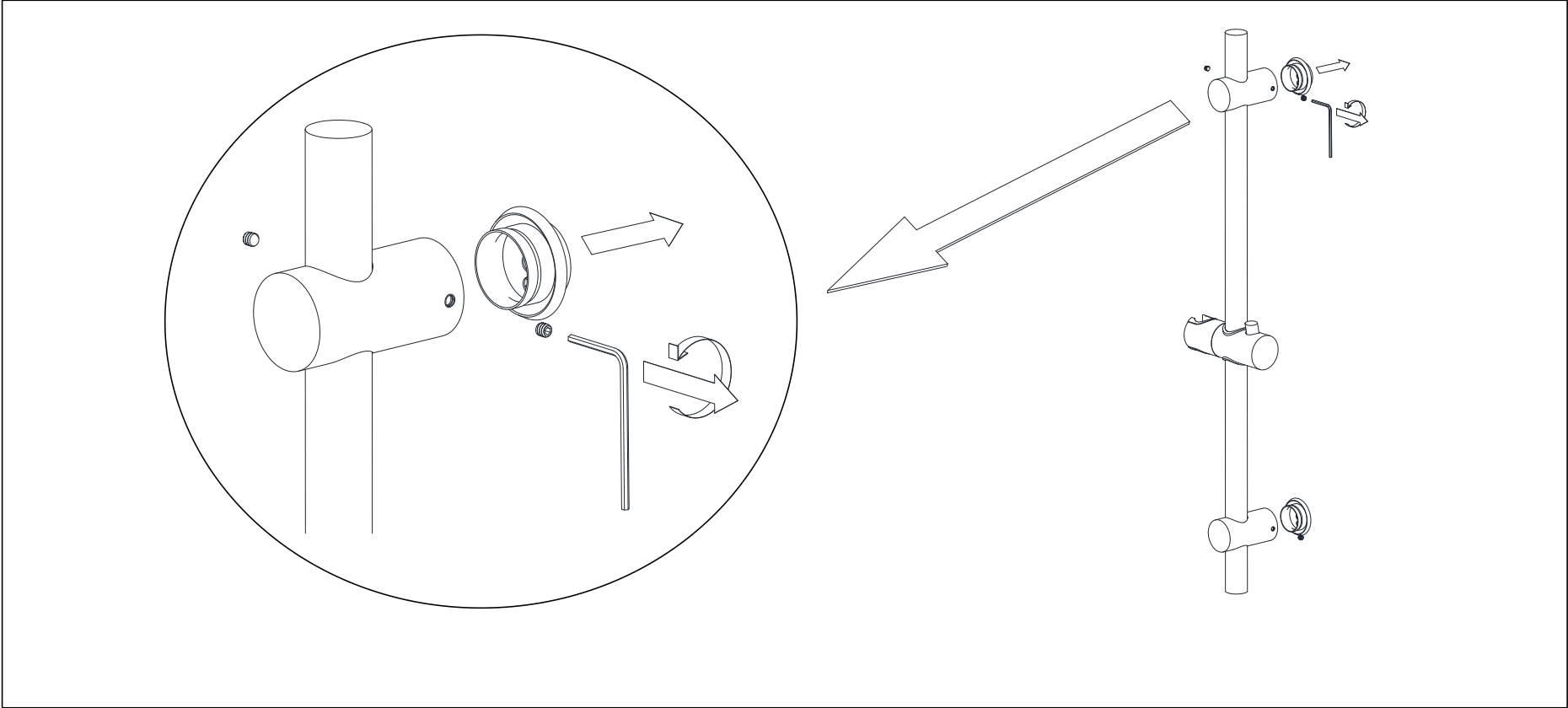


9. SLIDE BAR INSTALLATION

9.1 Align the two slide bars and twist them together securely until they are firmly connected.



9.1 Detach the top and bottom mounting bases from the bracket mounts to prepare for the next installation step.

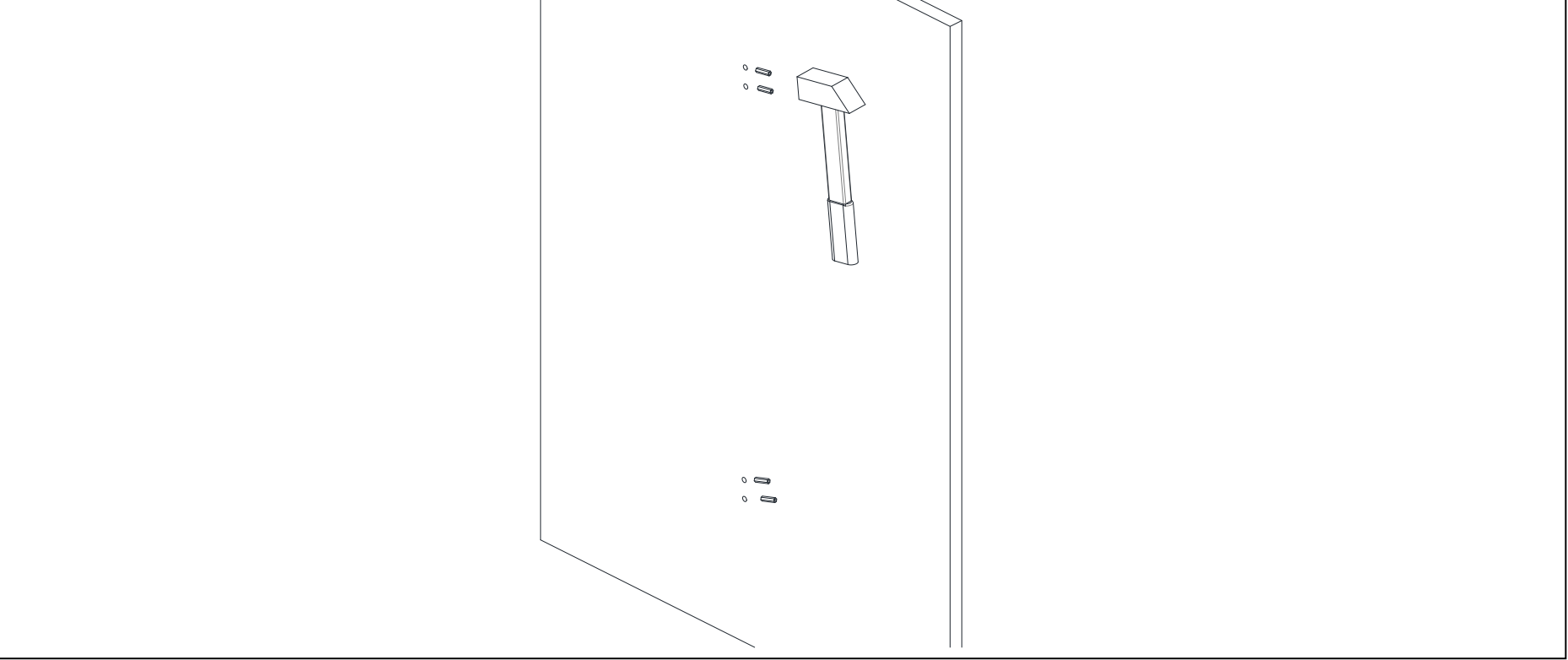


9.2. Drill the mounting holes in the wall with a recommended spacing of 22-1/32 in. (Adjust the spacing as needed to suit your specific installation requirements.)

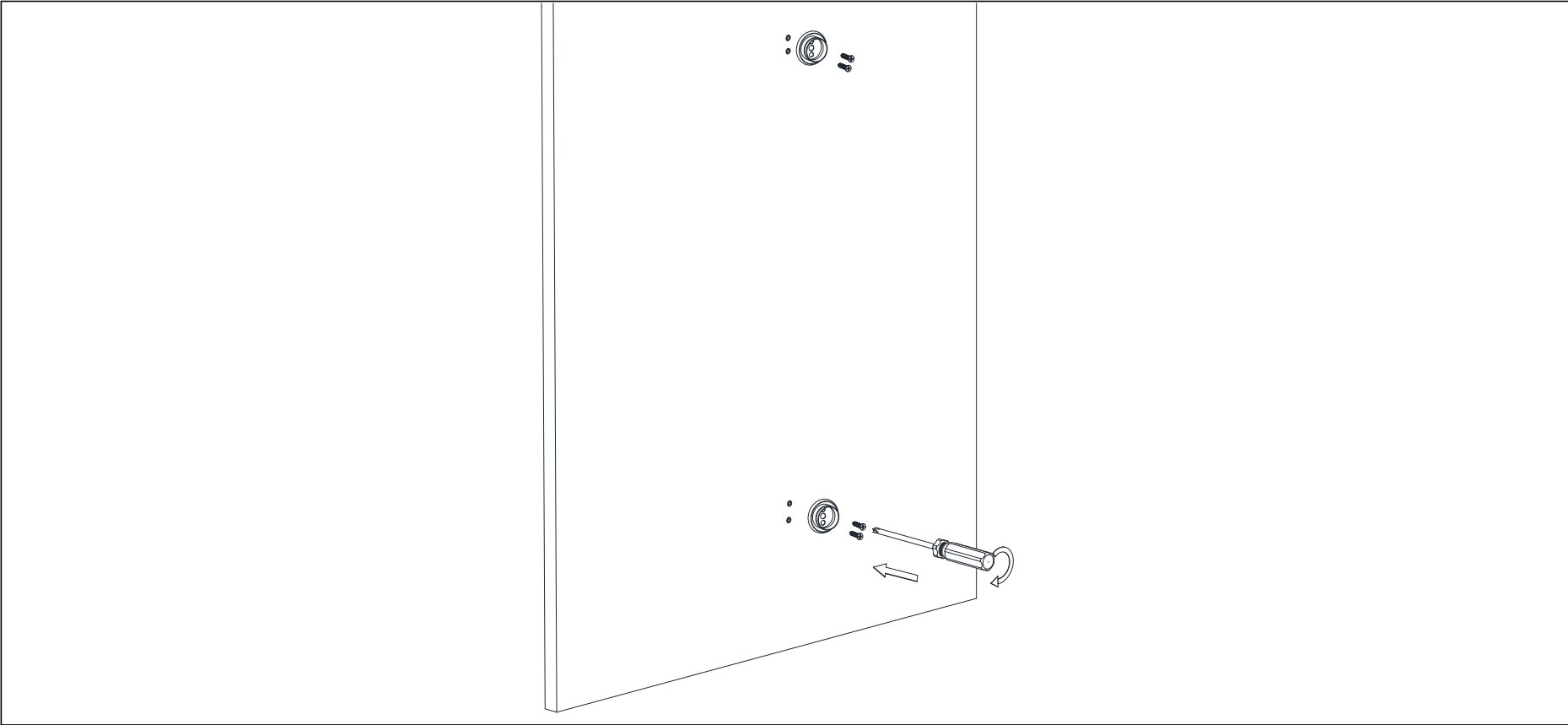
Code	Dimensions - Inch	Dimensions - mm
F	11/16"	17.46
G	22-1/32"	51.6



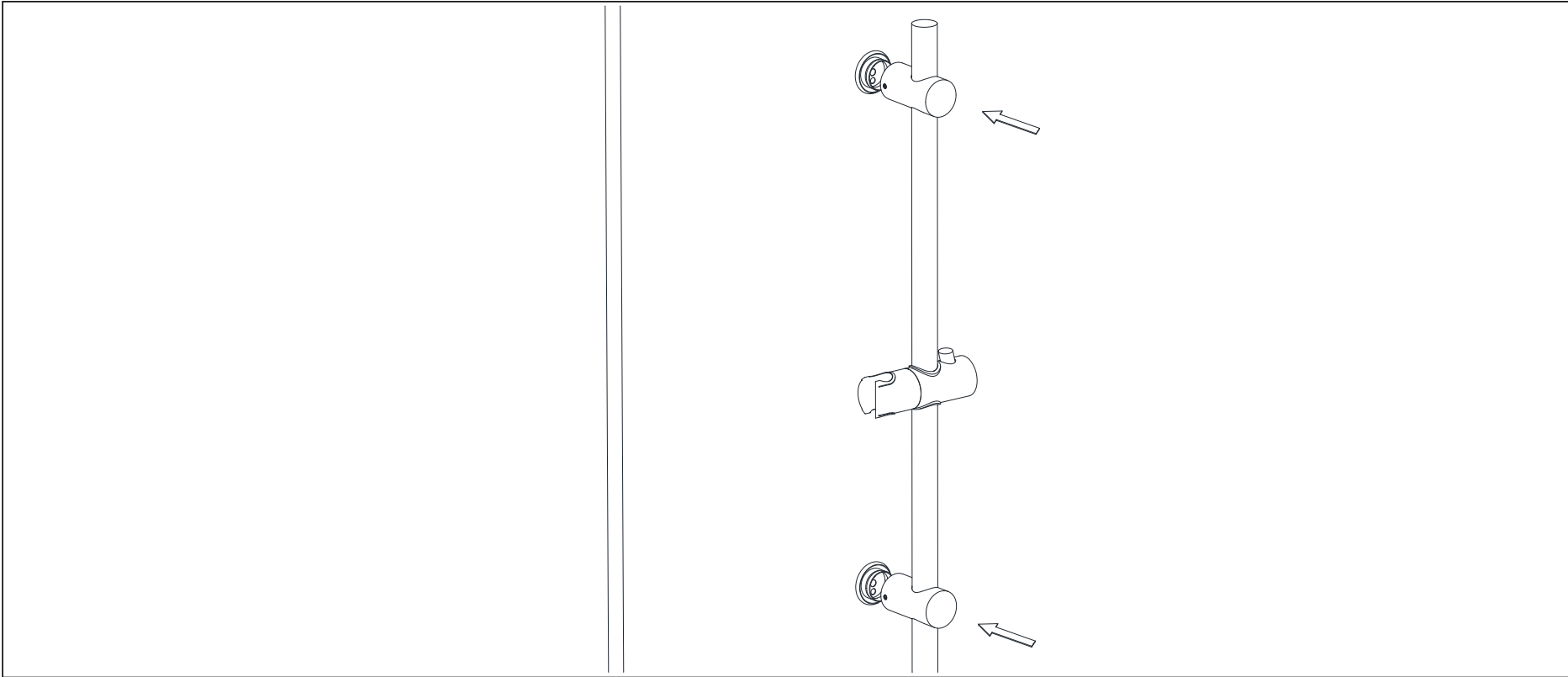
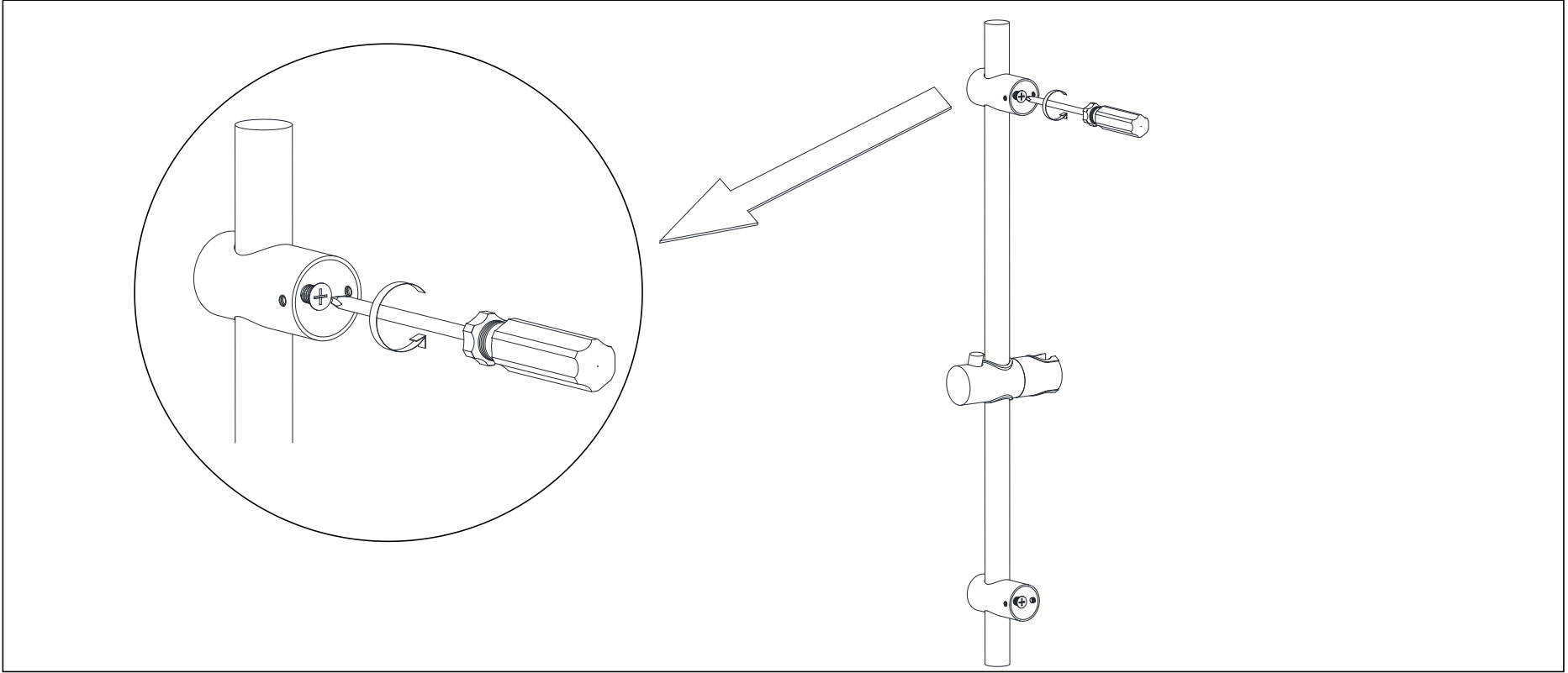
9.3 Insert the anchors into the drilled mounting holes



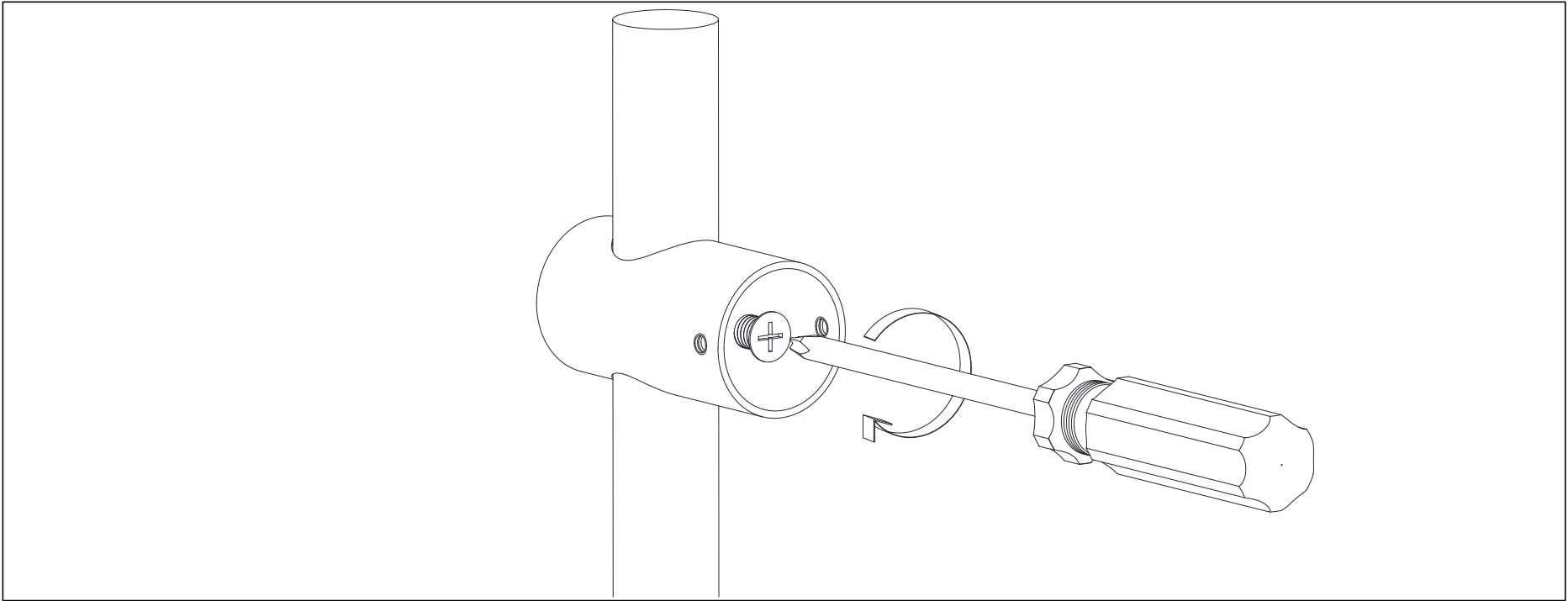
9.4 Secure the bases to the wall using the provided screws and a screwdriver.



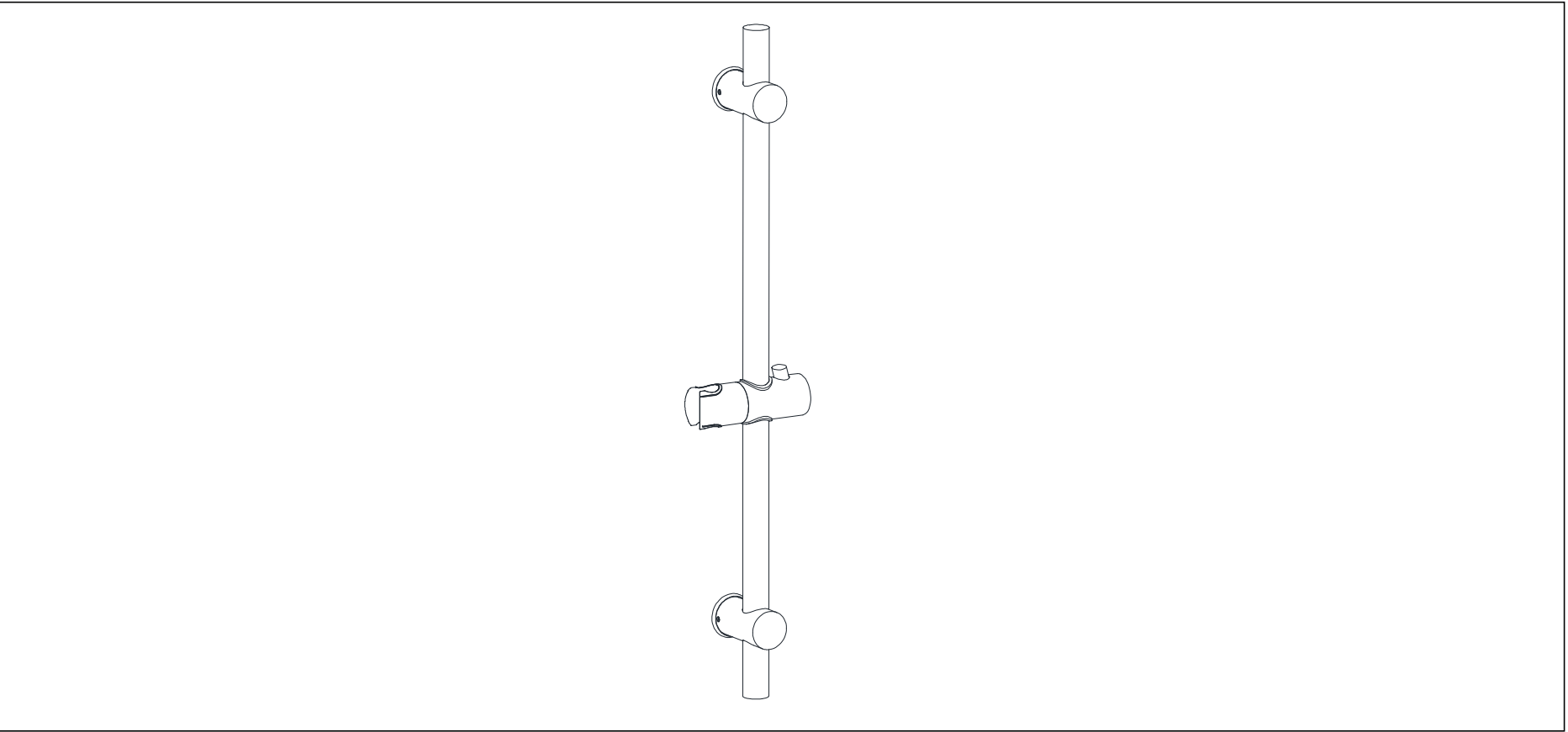
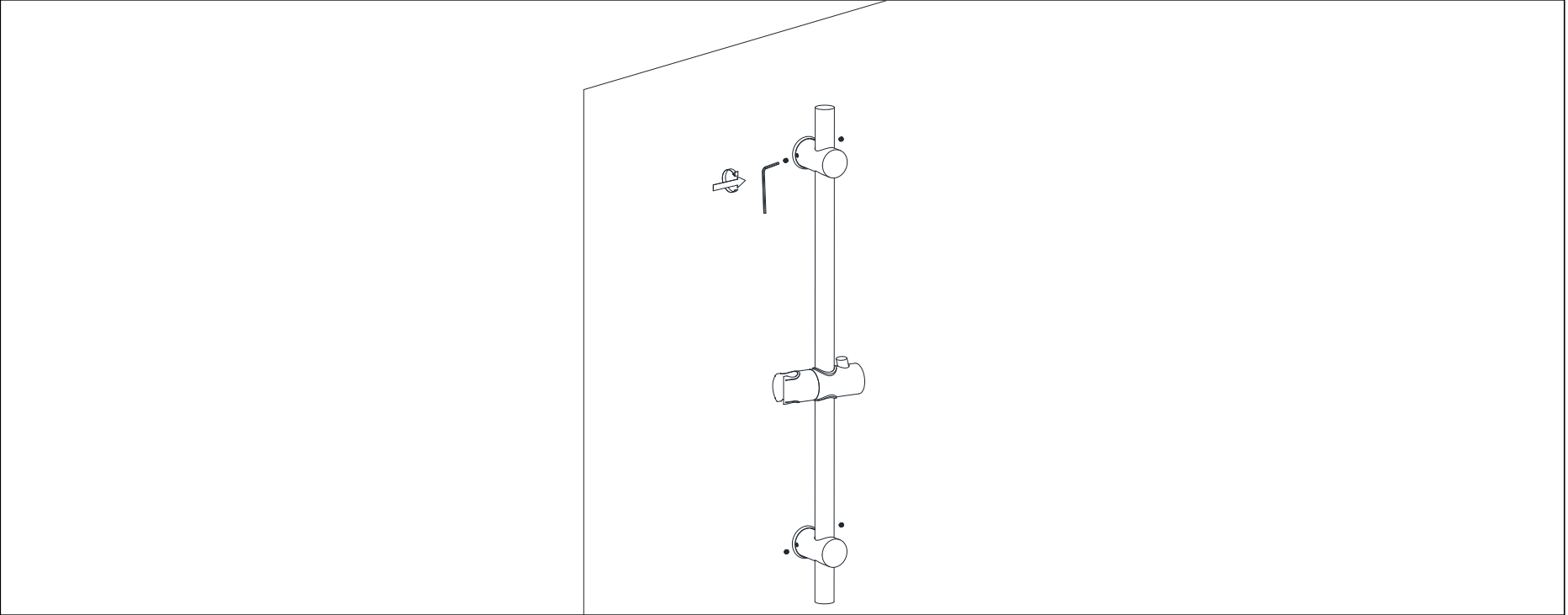
9.5 Use a Phillips screwdriver to slightly loosen the set screws within the mounts at both ends of the bracket, allowing adjustment to the desired position. Next, position the mounting bracket onto the pre-installed base, ensuring the distance between the base and the bracket is suitable for proper connection.



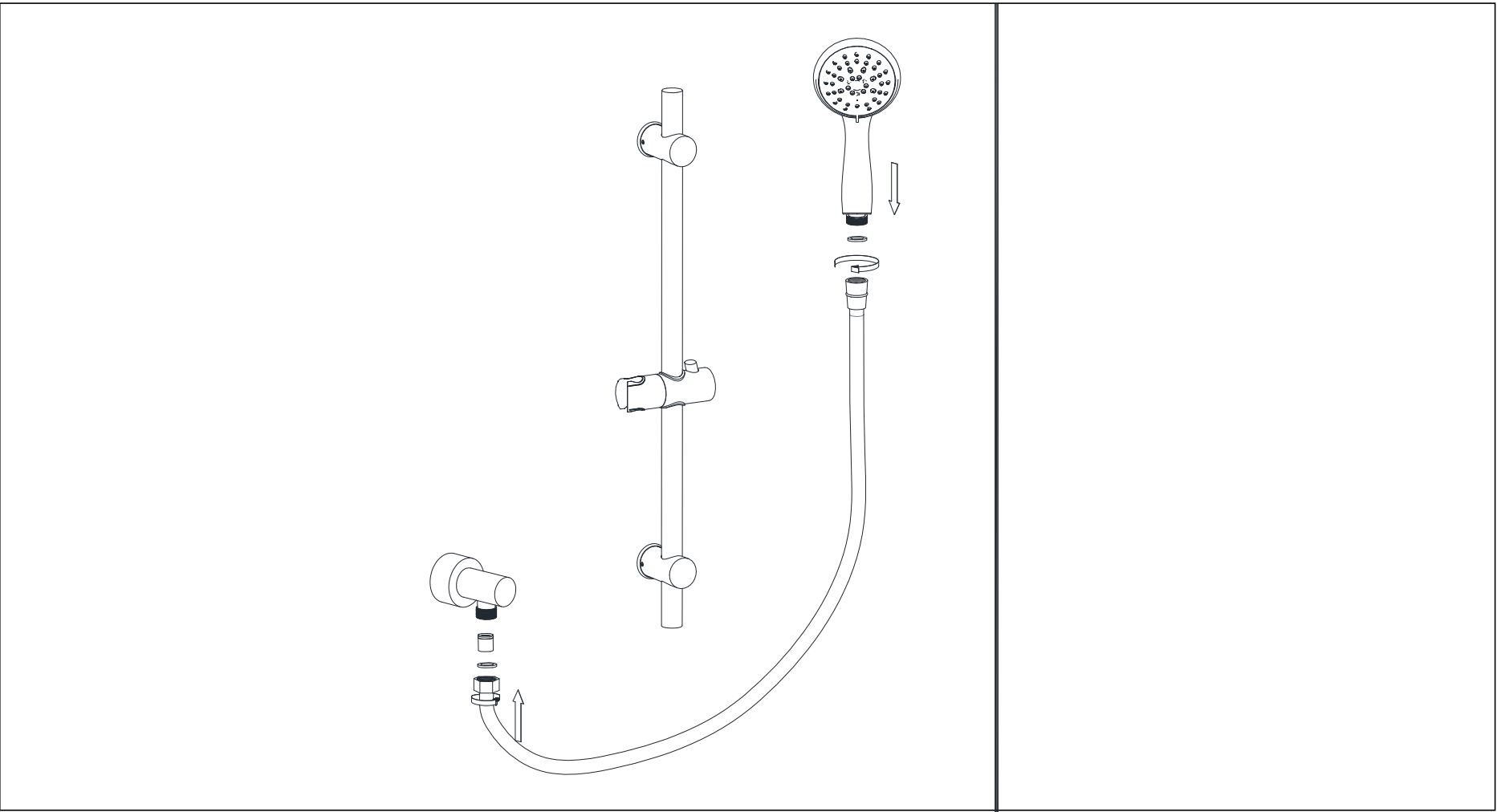
9.6 After confirming the proper spacing for the mounting base, remove the bracket and tighten any unsecured screws at the ends of the base.



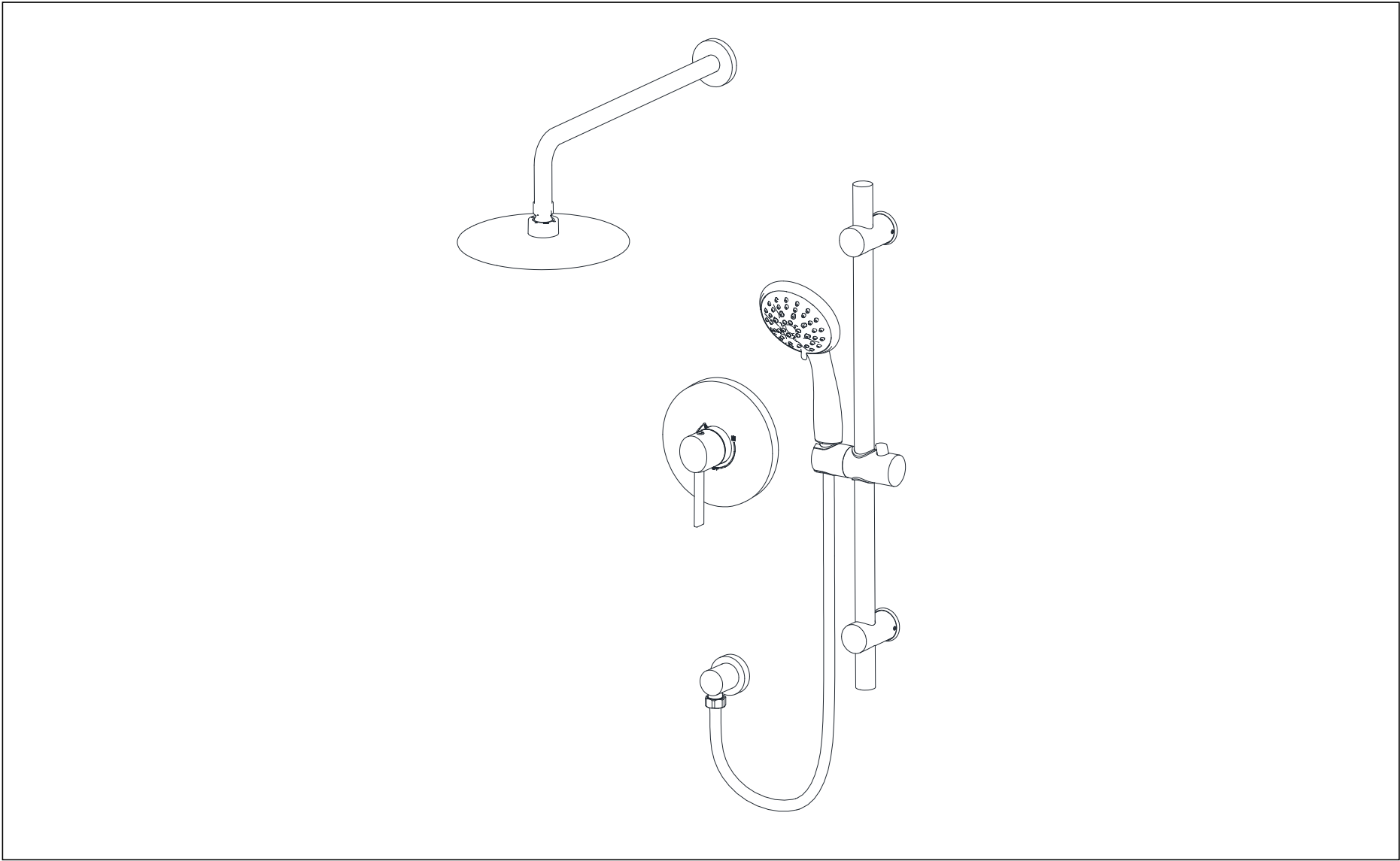
9.7 Place the bracket onto the base installed on the finished wall, and use an Allen wrench to tighten the screws at the upper and lower ends of the base.



9.8. Attach the hand shower to the wall supply elbow using the flexible hose.



9.9 ASSEMBLY COMPLETE.



10. INSPECTION

10.1 Turn on the hot and cold water supply and check all connections for leaks.

11. Adjusting the spray pattern of the handheld shower.

(a.) Select various water spray patterns:

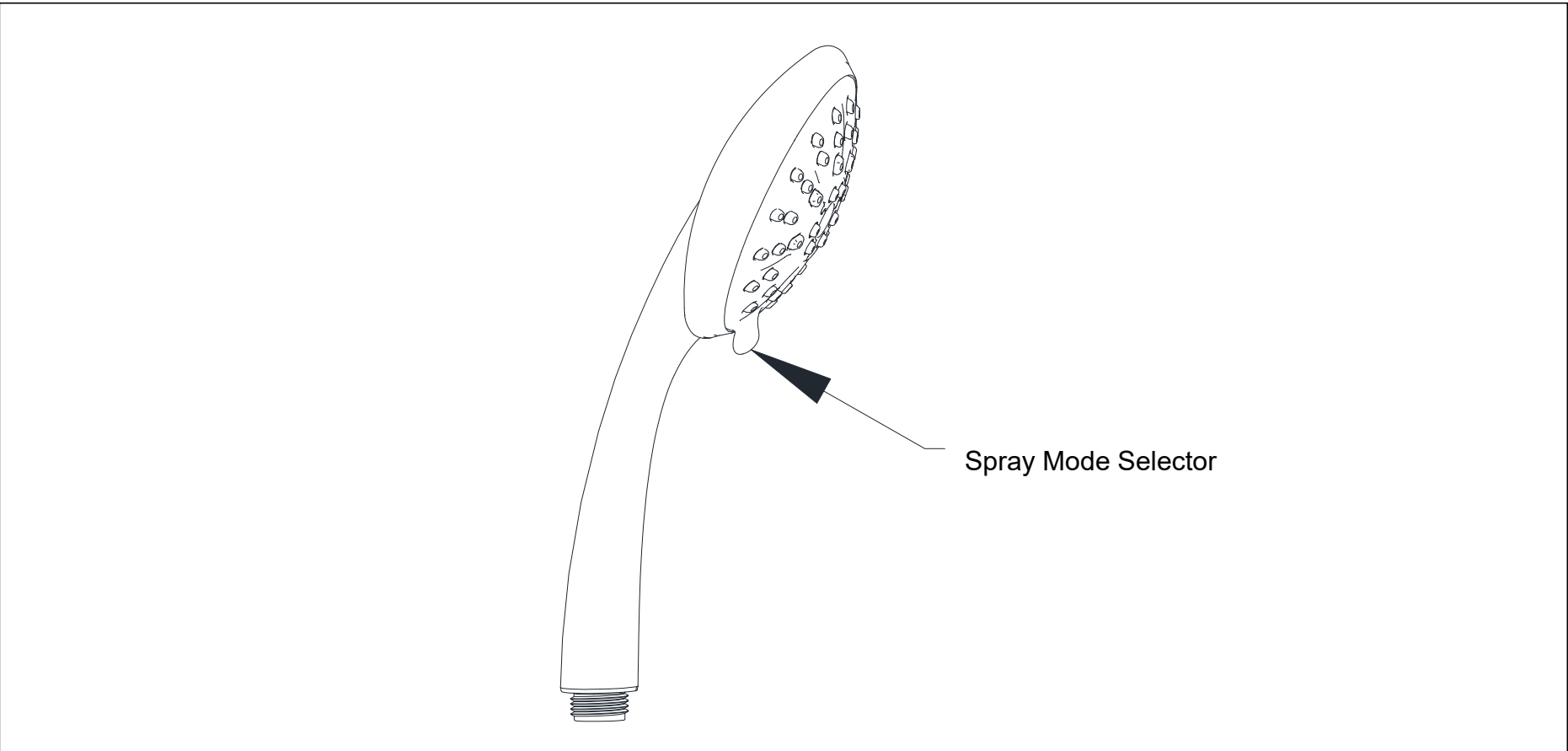
The handheld shower features three unique spray modes to enhance your showering experience. These modes are:

- Power Massage
- Power Massage & Rain
- Rain

(b.) Locate the spray mode selector on the handheld shower to choose your desired spray pattern.

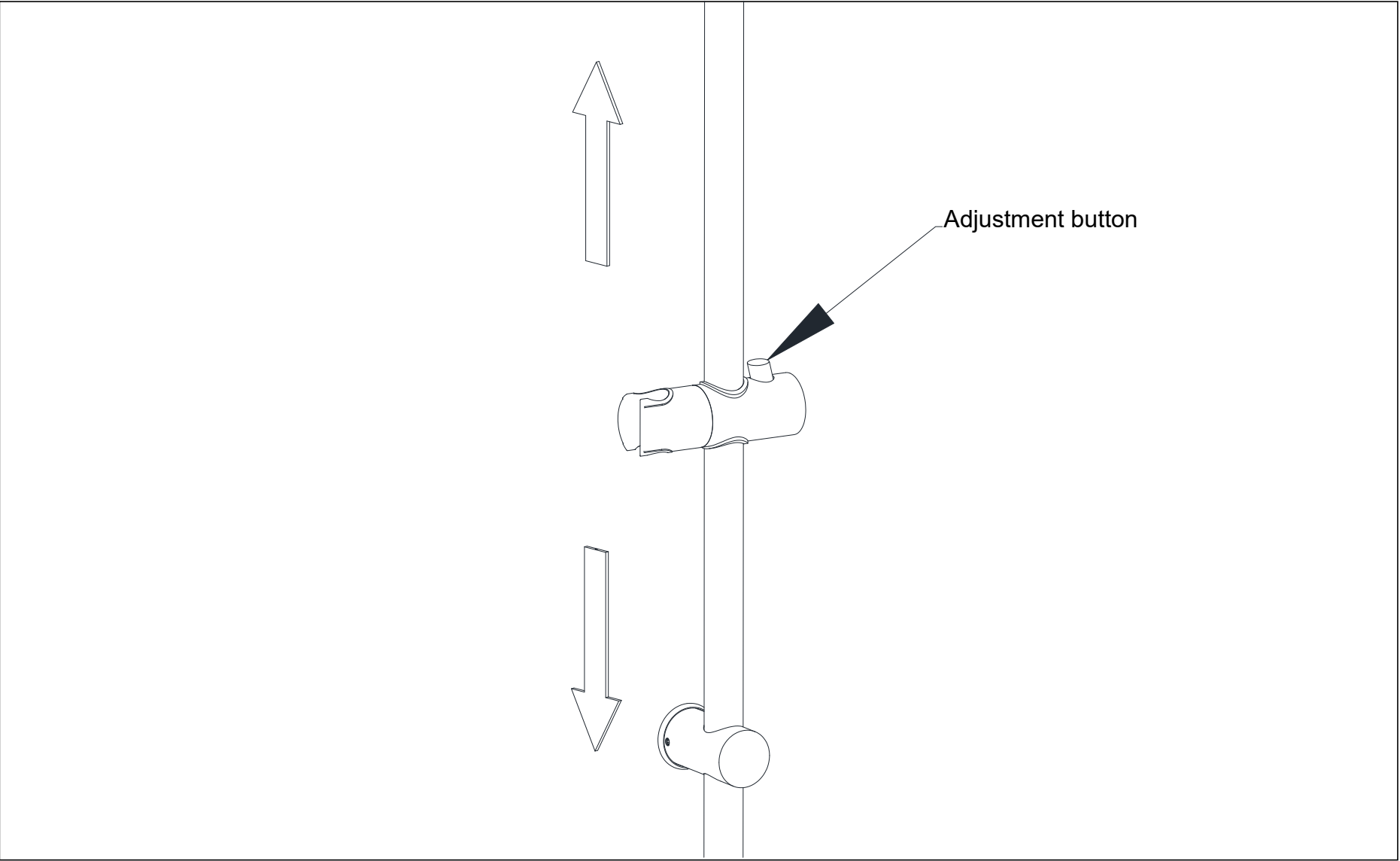
Change Modes:

- (1) Rotate the spray mode selector left or right to switch between the available spray modes.
- (2) You will feel a slight click when the spray mode selector is set to a new position.



12 Functions of the handshower holder.

12.1 Press and hold the locking button to adjust the handshower holder to the desired height. Release the button to lock the holder securely in place.



13. FUNCTION INSPECTION

13.1 Rotate the handle clockwise to activate the water supply to the handheld shower.

13.2 Rotate the handle counterclockwise to direct water flow to the showerhead.

13.3 Align the handle in the mid-position (vertical alignment) to shut off all water supply.

INSTALLATION FINISHED



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