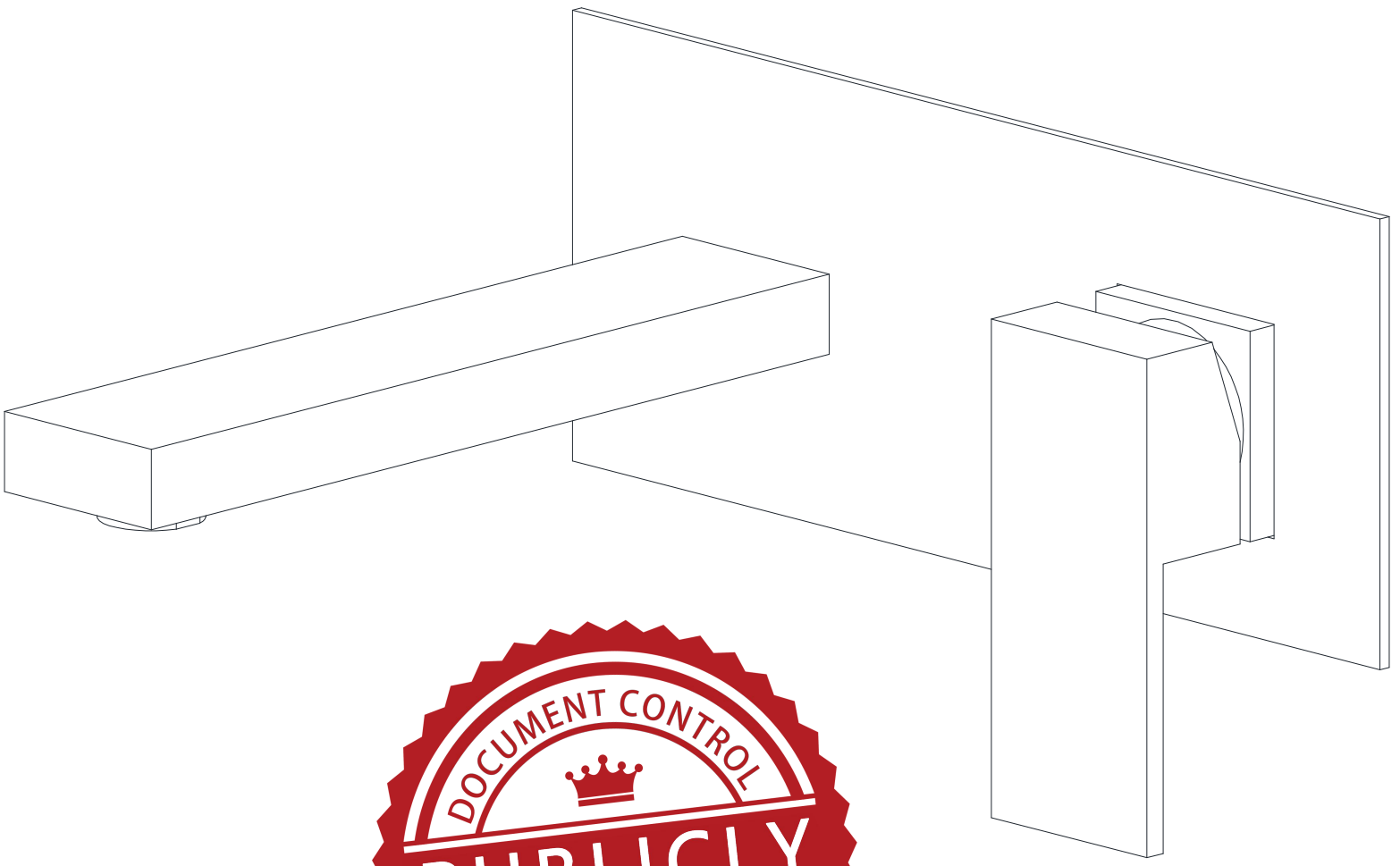
**MODEL: S1389XI**

**Version: 1.6**

# INSTALLATION GUIDE

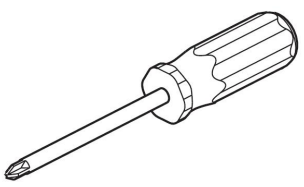


DOCUMENT CONTROL
PUBLICLY
SUMERAIN FAUCET

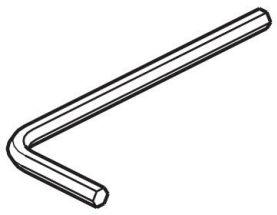
## WALL MOUNTED BATHROOM FAUCET

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

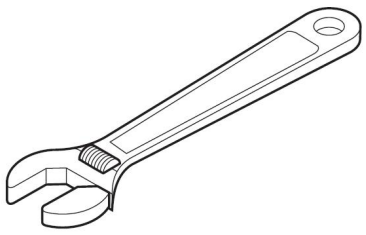
## TOOLS RECOMMENDED



**Philips Screwdriver**



**Allen Wrench**



**Adjustable Wrench**



**Channel Locks**



**Teflon Tape**

## 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

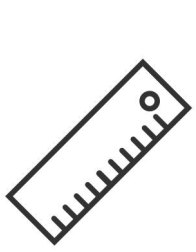
Locate the water supply inlets and turn off the corresponding water supply valves, typically located under the sink or near the water meter. If replacing an existing unit, remove the old unit and thoroughly clean the mounting surface to ensure proper installation.

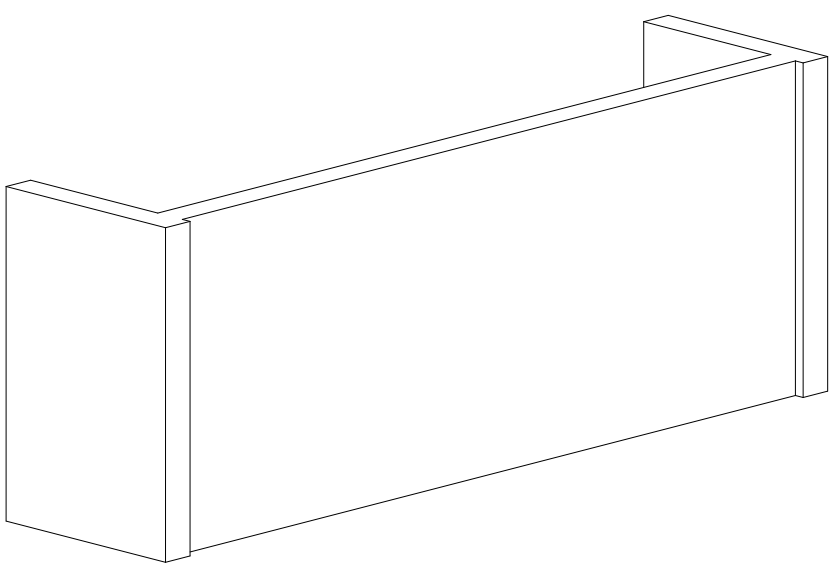
## 3. CHECKING THE CONTENTS OF THE BOX

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

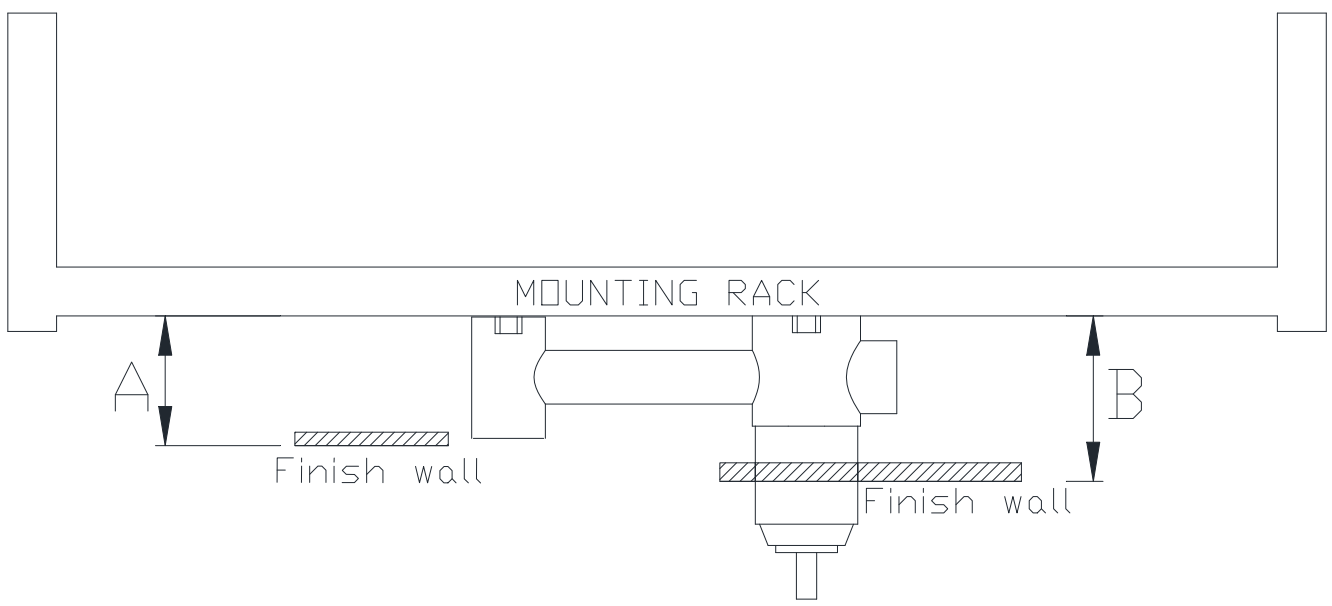
## 4. VALVE TRIM SET INSTALLATION

**4.1** Construct a rough-in valve mounting bracket, typically using durable wood, to securely hold the valve during installation. Ensure that the mounting surface of the bracket is recessed to a distance between 'A' and 'B' from the surface of the finished wall.

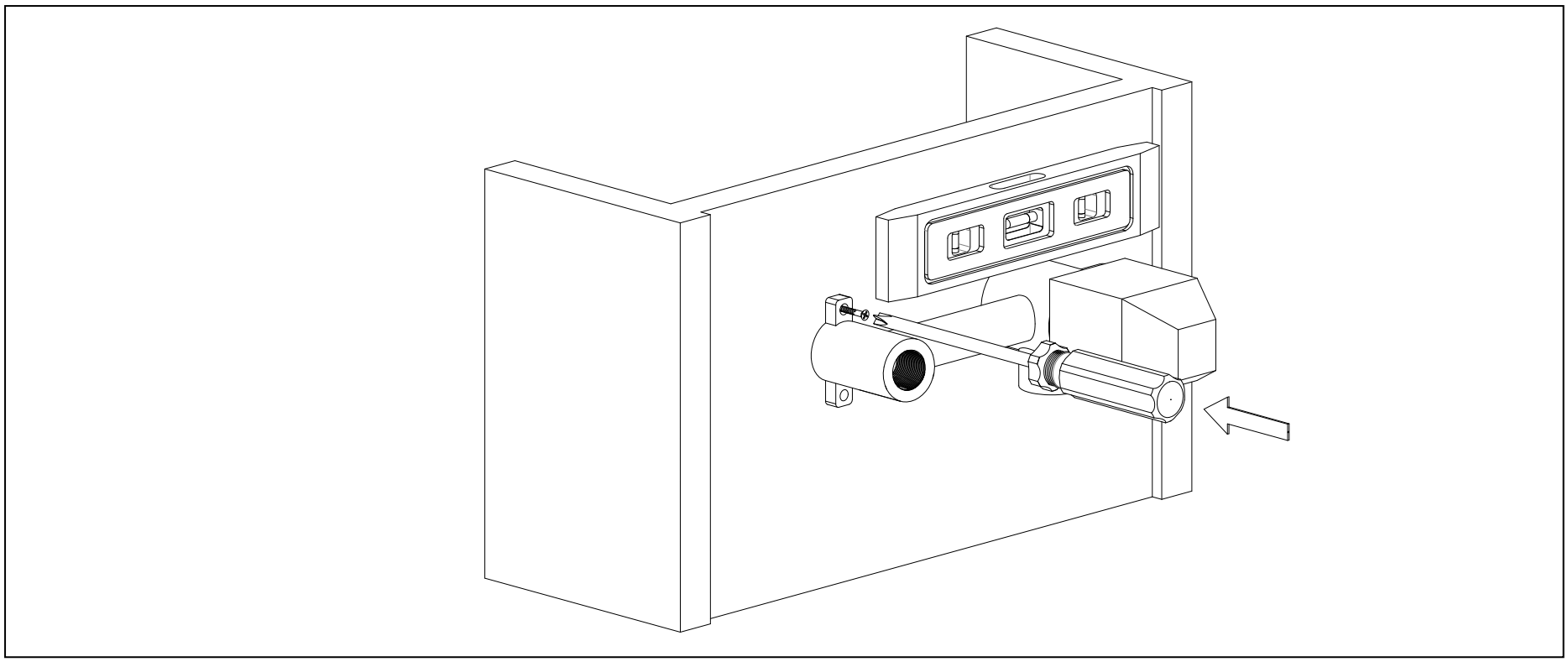




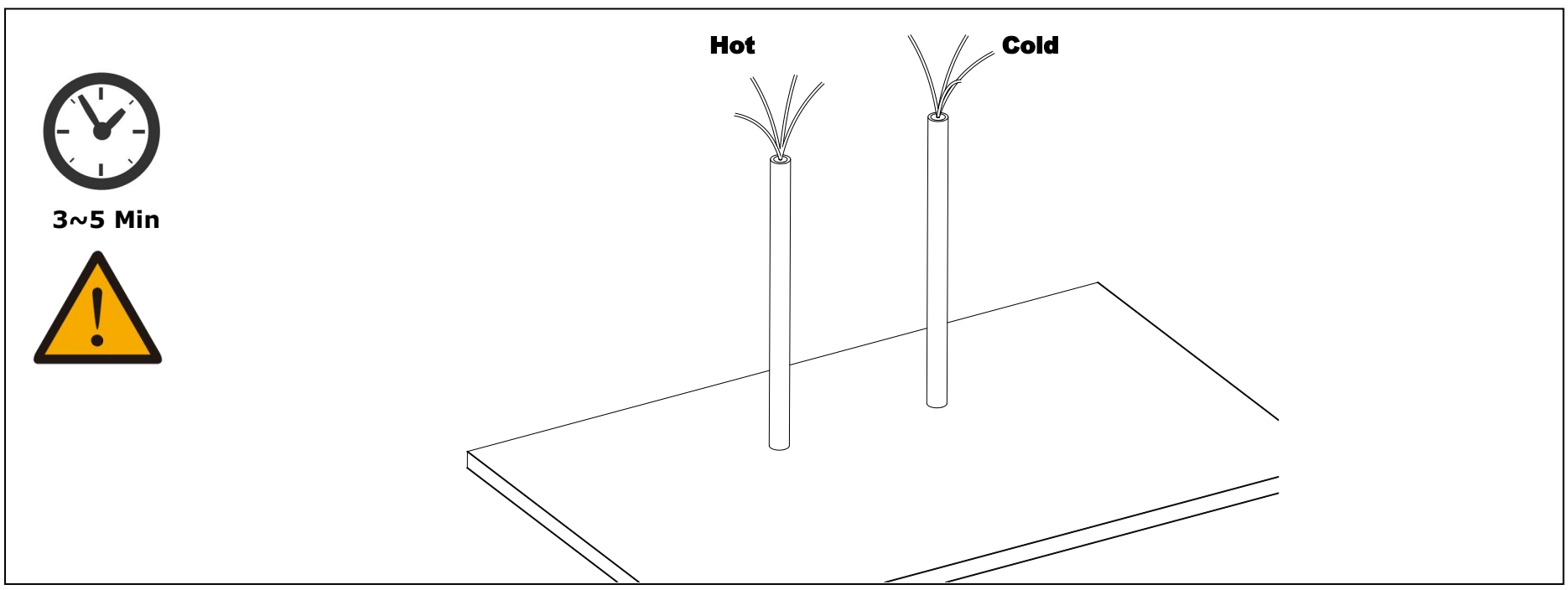
| Code | Dimensions - Inch | Dimensions - mm |
|---|---|---|
| A | Min 2-1/32″ | 52 |
| B | Max 2-9/16″ | 65 |



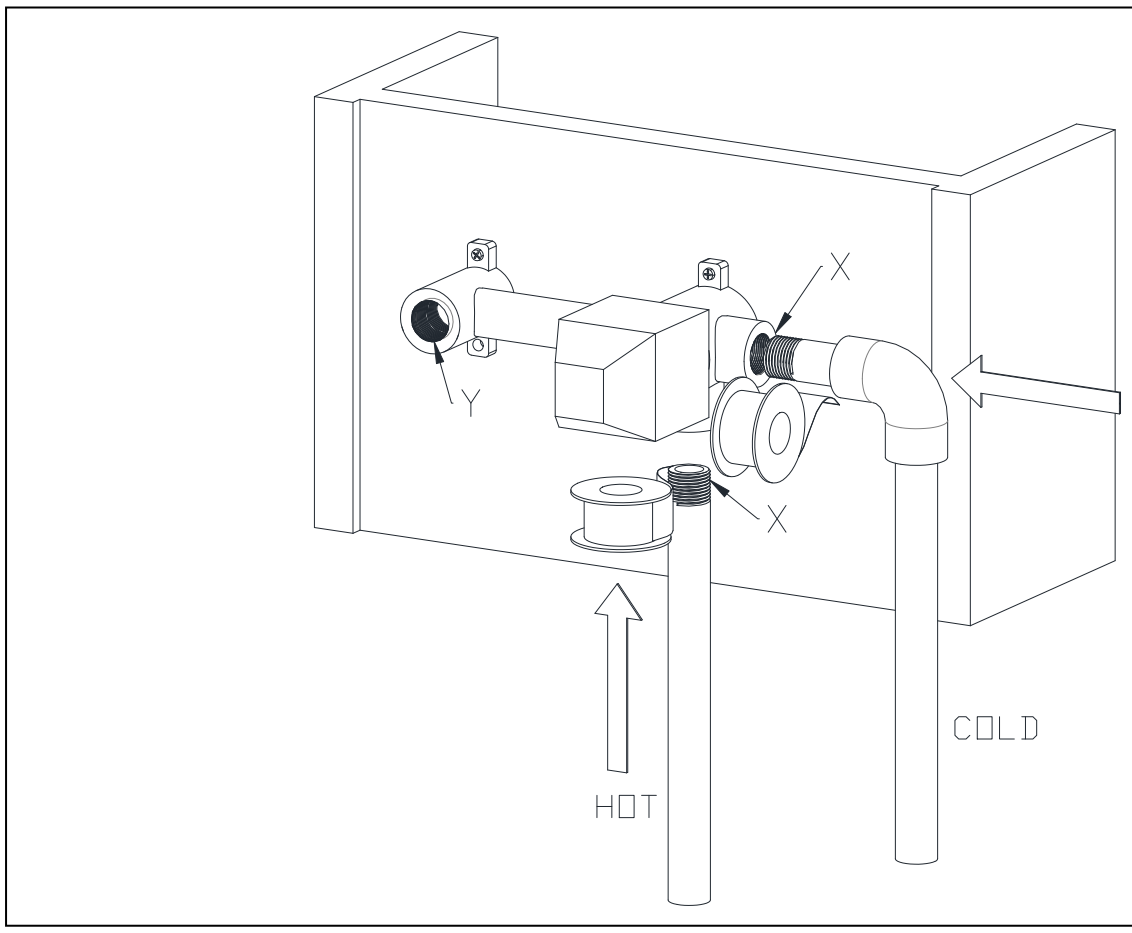
**4.2** Secure the rough-in valve to the mounting rack with screws (not provided).



**4.3** Open the shut-off valve to flush the hot and cold water supply lines. Allow the water to run for at least 3 to 5 minutes to remove any dirt or debris. Close the water supply after flushing is complete.




**4.4** Wrap PTFE tape around the threads of the supply line outlet. Securely connect it to the rough-in valve using an elbow fitting. The rough-in valve features NPT 1/2-14 threads for the hot and cold water inlets, compliant with US and Canadian standards.




| Region | Code | Specifications |
|---|---|---|
| US | X | NPT 1/2″ |
| US | Y | G1/2″ |
| Europe | X | G1/2″ |
| Europe | Y | G1/2″ |
| UK&Other | X | G1/2″ |
| UK&Other | Y | G1/2″ |

**4.5** 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.

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.

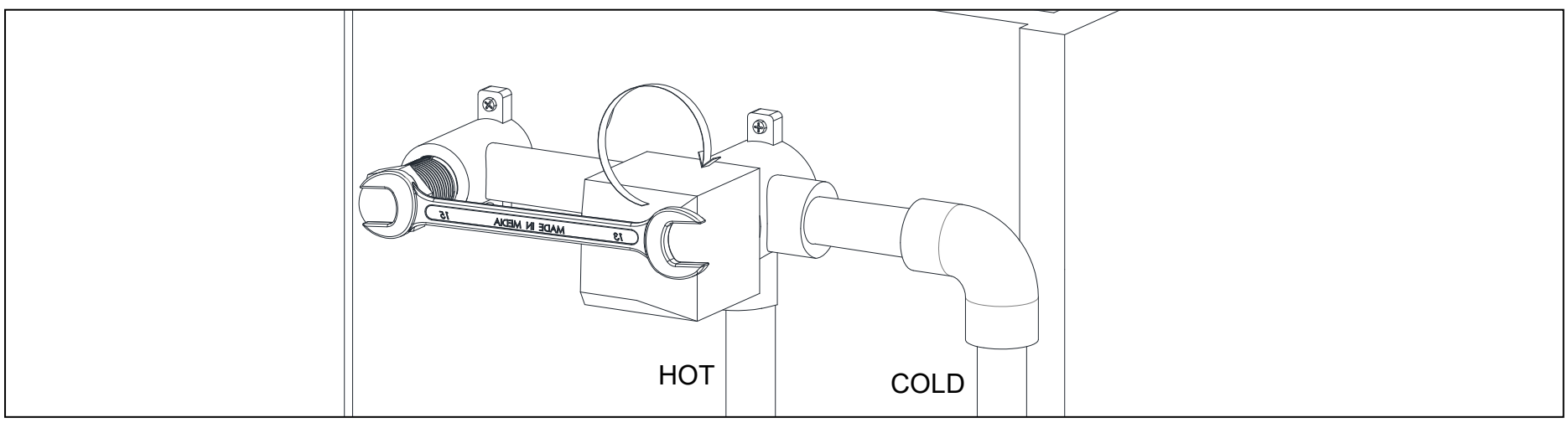
Pass Criteria:

- 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.

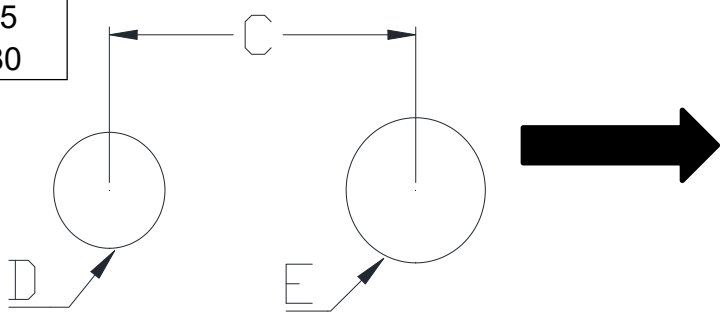
**4.6** Install the finished wall.

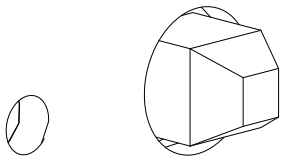
To prepare the finished wall for the valve body installation, drill two circular holes at the specified locations with the following dimensions:

- Control valve holes (right side): Drill holes with a diameter ranging between 'E'.
- Spout installation hole (left side): Drill a hole with a diameter ranging between 'D'.
- Verify the center-to-center distance between the control valve holes (right side) and the spout installation hole (left side) is exactly 'C'.

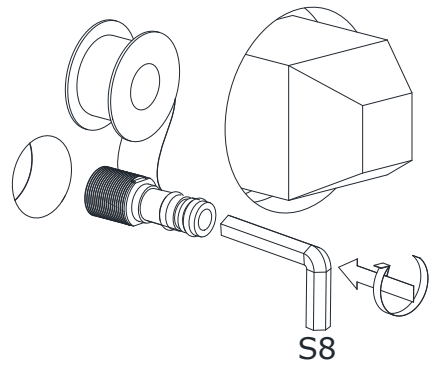
These precise measurements are critical to ensure proper alignment and functionality of the faucet system.

| Code | Dimensions - Inch | Dimensions - mm |
|---|---|---|
| C | 4-23/32″ | 120 |
| D | Min Ø1-1/4″<br>Max Ø1-9/16″ | Min Ø32<br>Max Ø40 |
| E | Min Ø2-9/16″<br>Max Ø3-5/32″ | Min Ø65<br>Max Ø80 |



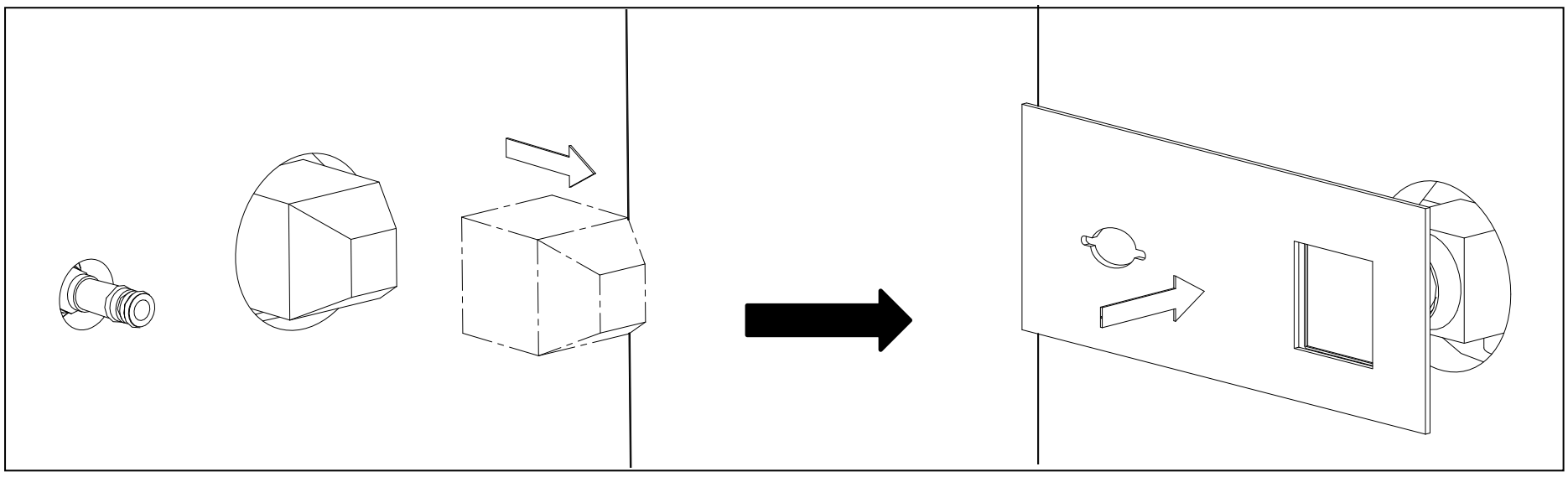



**4.7** Wrap PTFE tape around the threads of the nipple, then securely connect it to the rough-in valve.

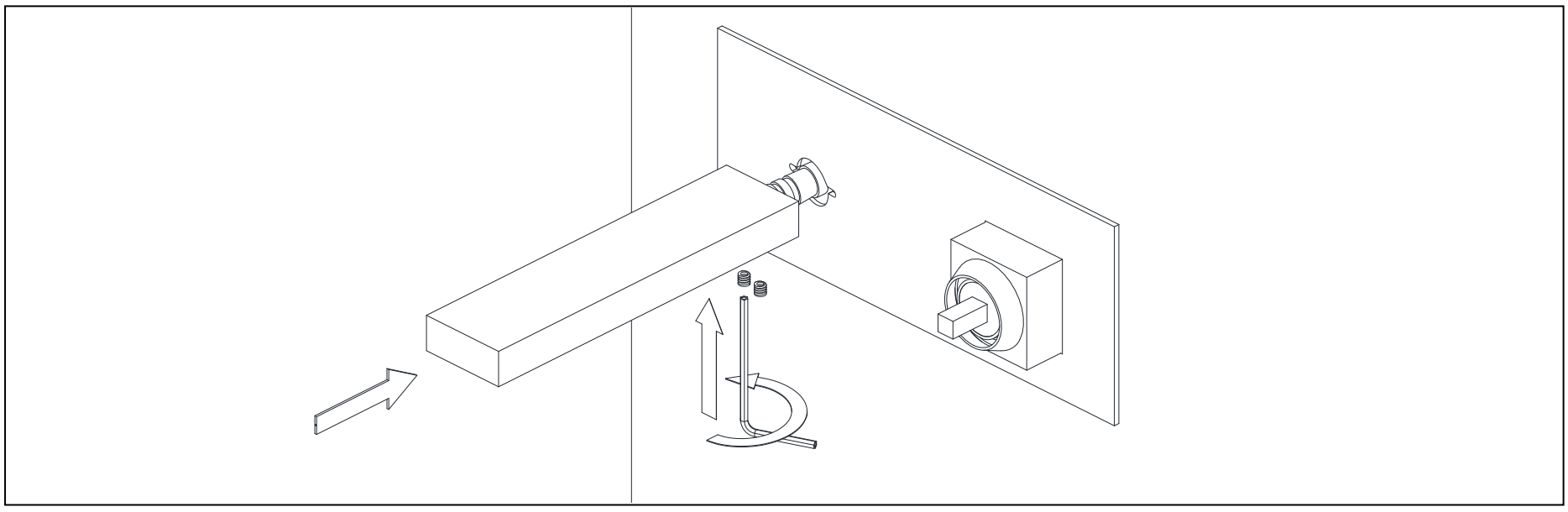



**4.8** Remove the plaster guard, secure the escutcheon, and apply waterproof sealant around the plaster shield to seal the wall.

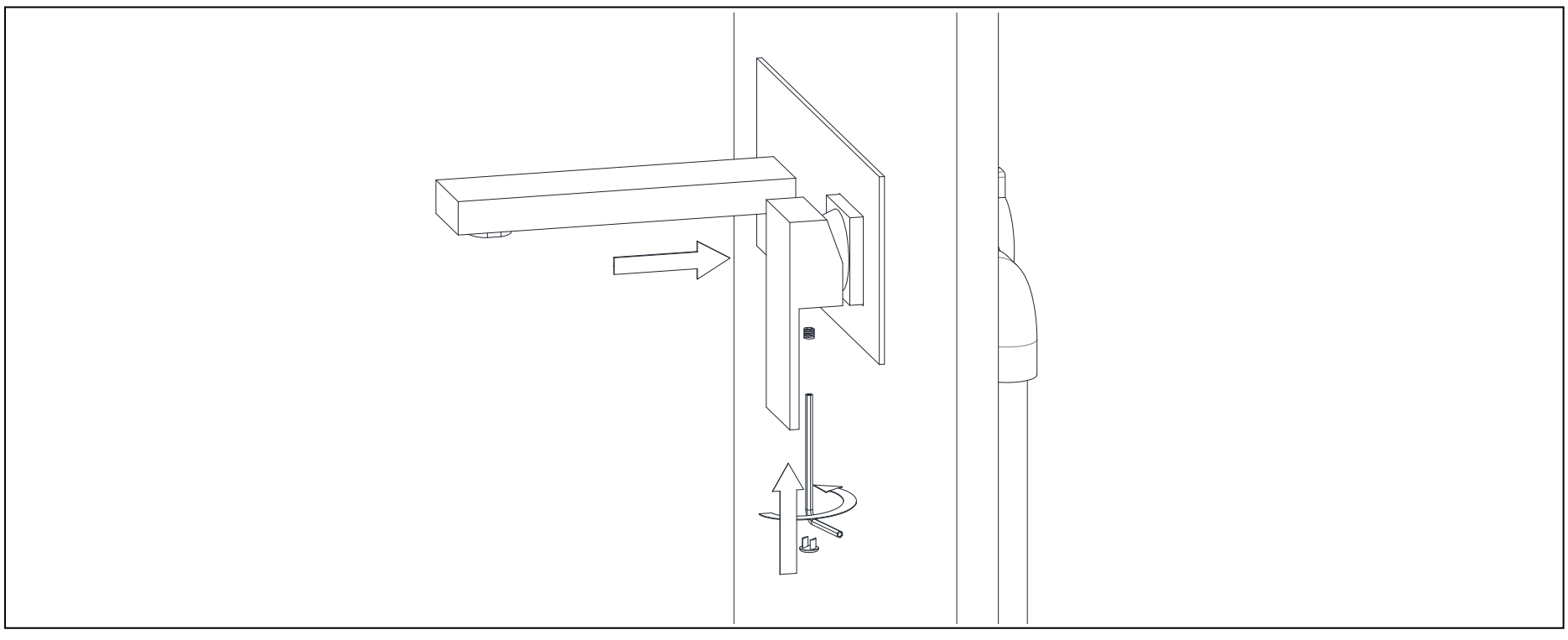
**WARNING:** Failure to properly seal the wall may result in water damage.



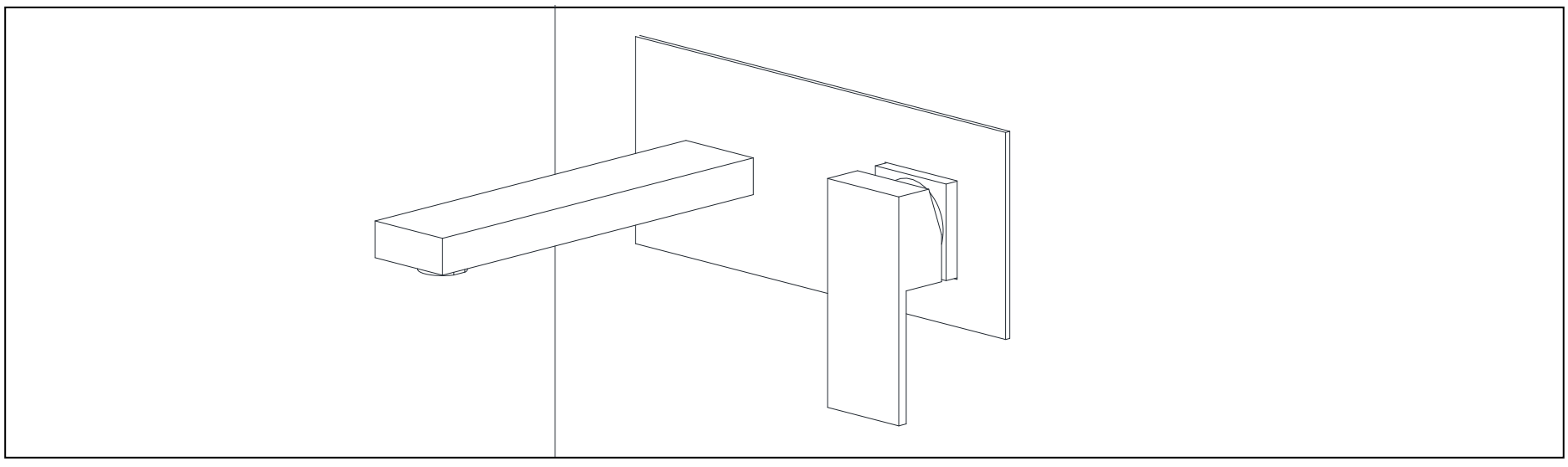
**4.9** Align the spout with the nipple and tighten the set screws securely using the provided Allen wrench.



**4.10** Place the handle onto the valve stem and securely tighten the set screw with the provided Allen wrench, ensuring not to overtighten. Finally, attach the screw cover to the handle.



**ASSEMBLY COMPLETE.**

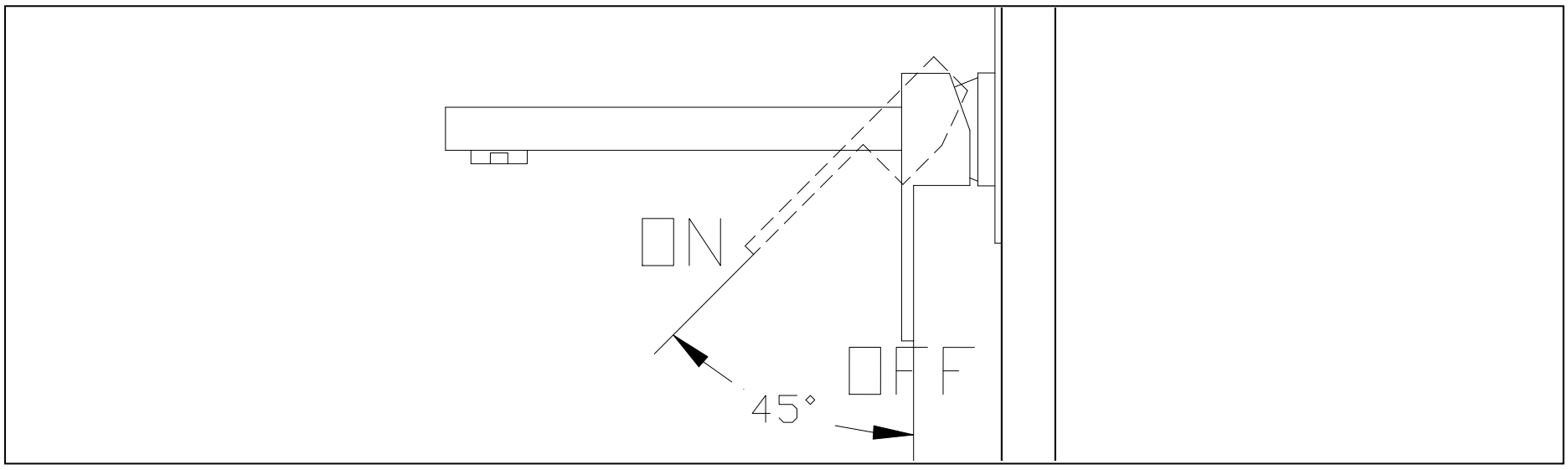


## 5. INSPECTION

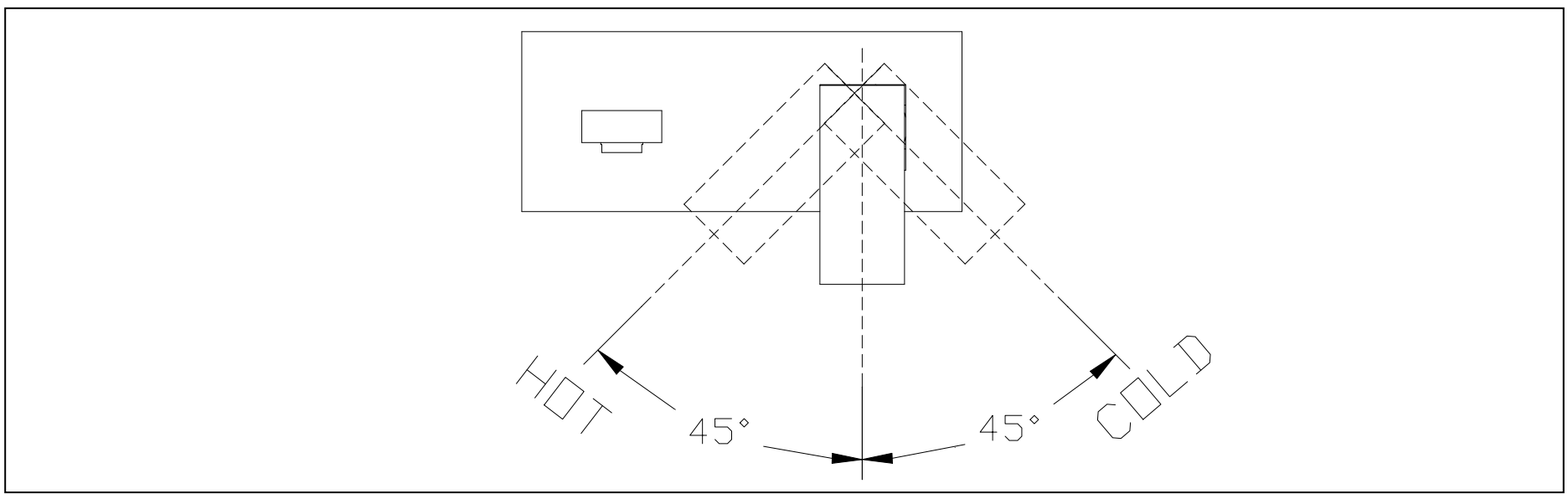
**5.1** Turn on the hot and cold water supplies and check all connections to ensure there are no leaks.

## 6. FUNCTION INSPECTION

**6.1** Turn on the handle to allow water to flow from the spout. Turn off the handle to stop the water flow.




**6.2** Turn the handle counterclockwise for cold water or clockwise for hot water.




## INSTALLATION COMPLETE

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