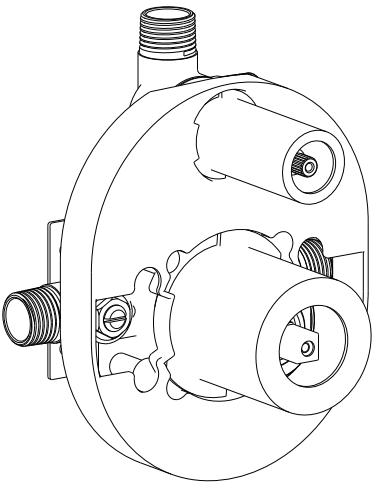
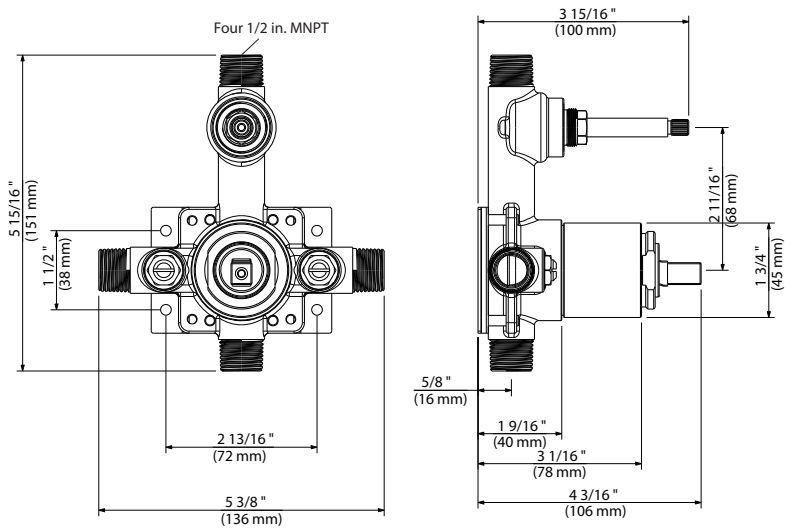


# INSTALLATION INSTRUCTIONS

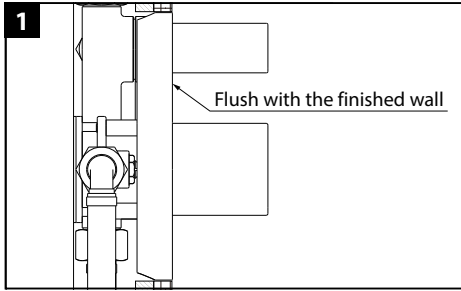


## Dimensions

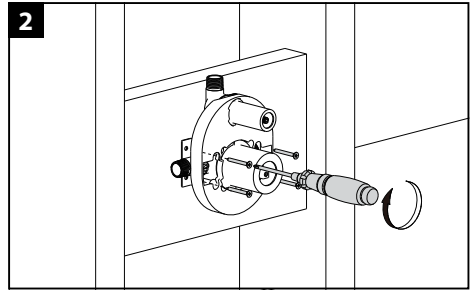
Critical dimensions show in mm



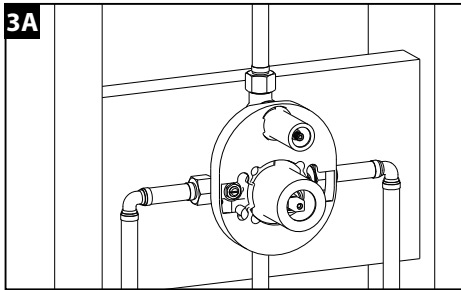
# Instructions



**SHUT OFF WATER SUPPLIES.** Consider the type and thickness of your finished wall before placing your stringer back plate.



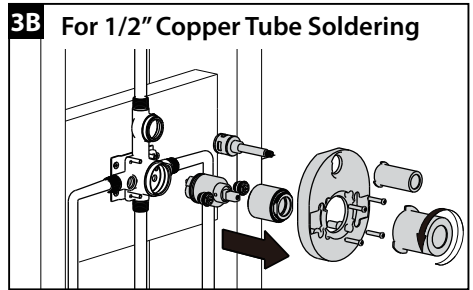
Install the body so the surface of the finished wall is flush with the front of the rough-in box. Make sure the word "UP" are on top of the valve body when installing.



Connect the valve body to water supplies using proper fittings (copper tubing, iron pipe or PEX).

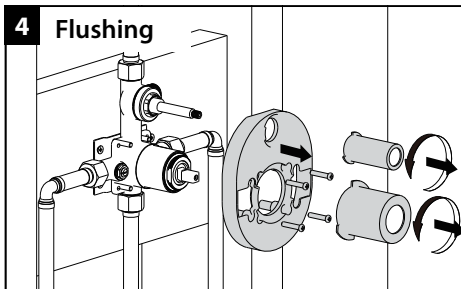
**Note: For PEX, be sure to use the right fitting for crimping and the right tool for cold expansion.**

**Note: Left is the hot inlet port and right is the cold inlet port.**



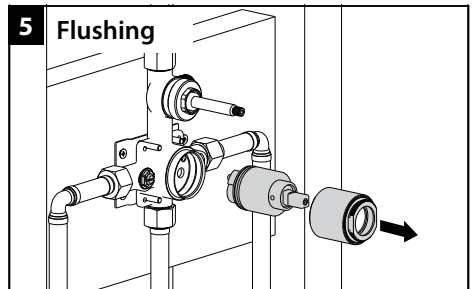
Solder water supply tube to the valve body.

**Note: Prior to soldering remove check stops, pressure balancing cartridge and diverter cartridge. Remove check stops by loosening hex nut counterclockwise. Remove the pressure balancing cartridge and diverter cartridge by unscrewing retaining nut with an adjustable wrench. Avoid soldering excessively at high temperature.**



Remove two round mudguards by turning counterclockwise.

Remove the rough-in box.

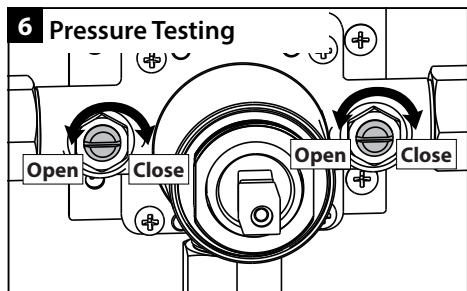


Remove pressure balancing cartridge by unscrewing retaining nut with an adjustable wrench.

Slowly turn on both hot and cold supplies and flush out the valve body and lines.

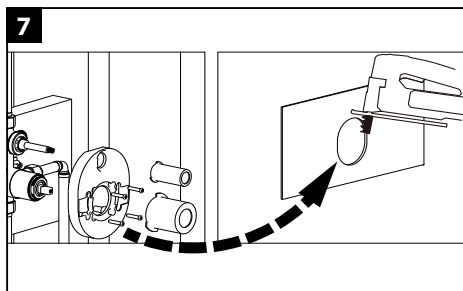
Close the check stops and reinstall the cartridge.

# Instructions

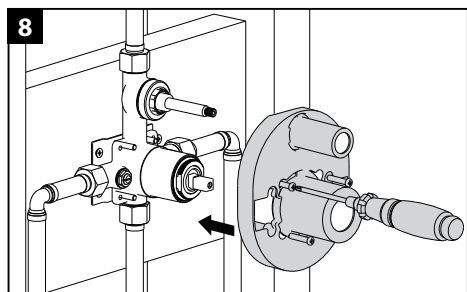


With both check stops in the fully OPEN position, turn on cold and hot water supplies and conduct a system water pressure leak test.

**Note:** To protect the valve, keep mudguards and rough-in box on during installation. Remove only when you are ready to install trims.

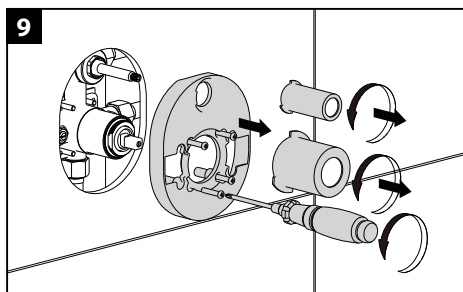


Use the rough-in box as a template to cut the wall properly.



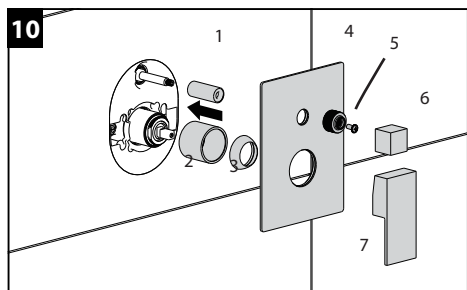
Reinstall rough-in box, two round mudguards by turning clockwise and complete the wall finish installation.

**Note:** In keeping with standard plumbing practices it is essential that all tub/shower systems be tested extensively for leaks before the finishing wall, (tile, etc.) is completed. Also ensure that the check stops are exposed, (not covered by tile, boarding etc.) under the removable trim plate. The trim plate should completely cover the rough-in opening when attached.



Remove two round mud guards by turning counter-clockwise and discard.

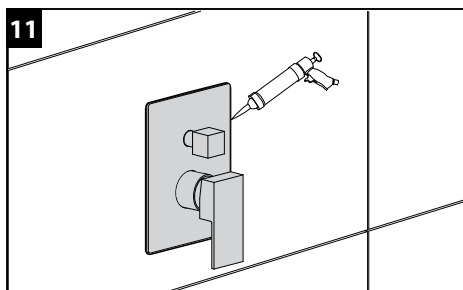
Remove the rough-in box and discard.



Screw small decorative tube(1) over the diverter valve and slide large decorative tube(2) and cartridge cover(3) onto the pressure balancing valve.

Use water to wet the round rubber gaskets on the cover plate(4) and slide cover plate over(4) two decorative tubes. Gently press cover plate(4) against the finished wall.

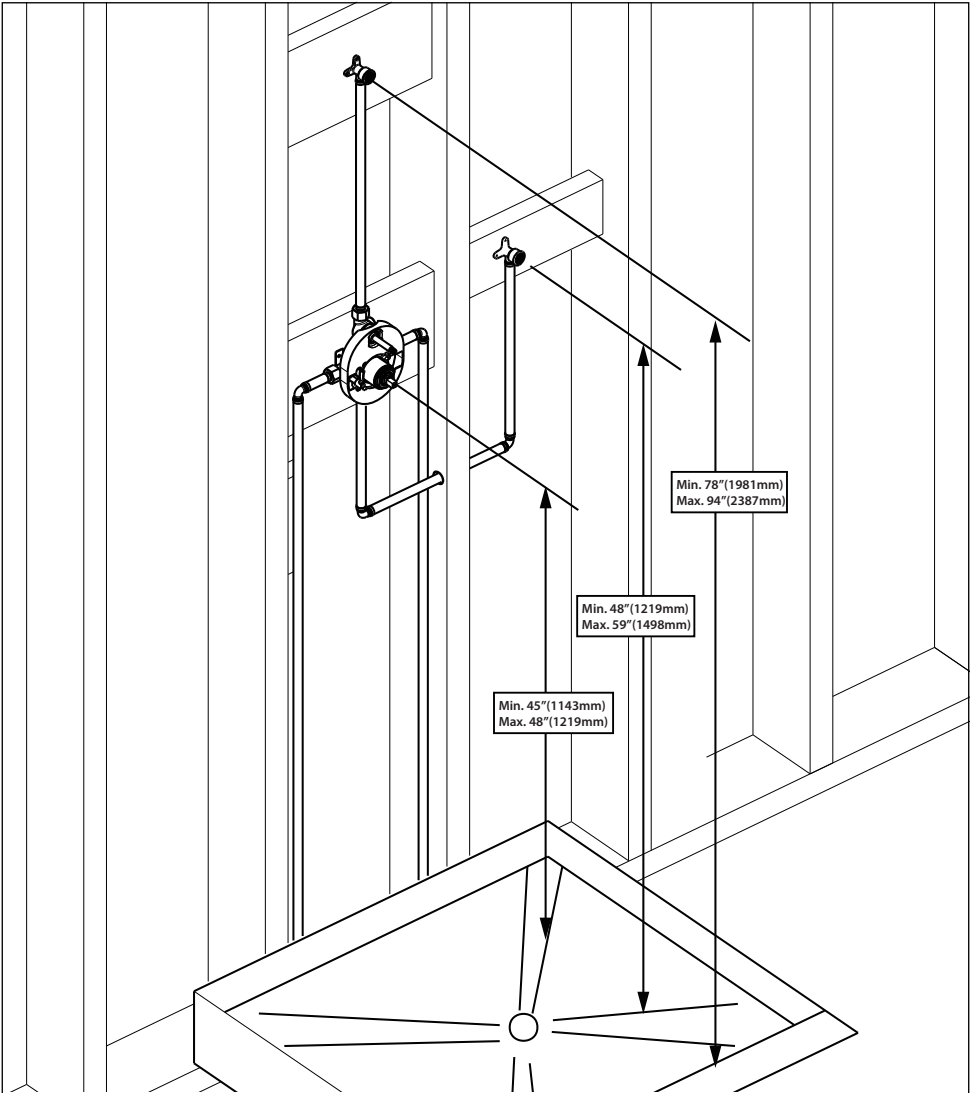
Screw the Gear Cipher Adapter(5) on the diverter cartridge. Install cartridge handle(6) and diverter handle(7). Secure by tightening set screw by using the supplied Allen Wrench. Cover the hole with the supplied plug.



When firmly securing the trim plate onto the wall, apply a thin layer of silicone sealant around its perimeter to prevent water splashes from entering the wall.

**Make sure not to apply it to the back of the trim plate, in order to avoid potential issues during future disassembly.**

# Installation Schematics



Installation Schematics – Measuring for Ideal Tub/Shower Performance.

Installation of this product at non-recommended measurements may lead to issues such as water discharge from the showerhead during tub fill mode.

Position the valve body 45-48 inches from the floor of the tub basin. (Follow valve instruction for proper valve body installation).

The shower arm should be placed 78-94 inches above the floor of the tub basin. (Follow shower arm instruction for proper threaded adapter installation).

The hand shower should be placed 48-59 inches above the floor. (Follow hand shower holder instruction for proper threaded adapter installation).