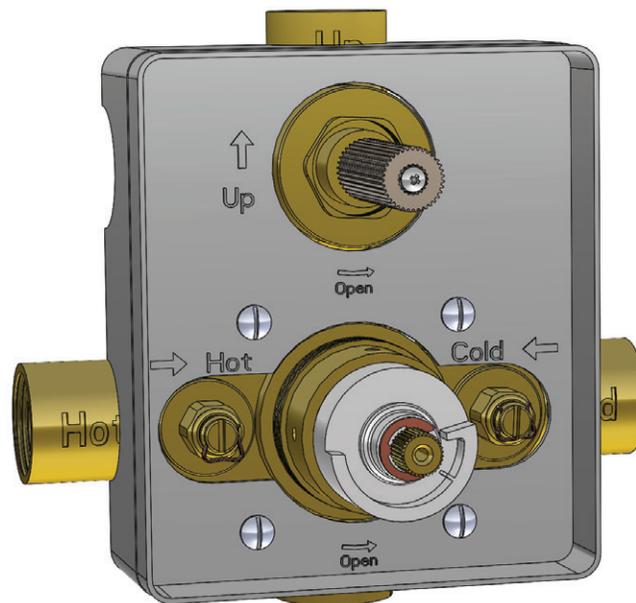




Installation Manual - TVL.2700

3/4" Thermostatic Valve With 2-Way Diverter & Volume Control

Use With Trims Ending in *2700



BEFORE YOU BEGIN

- You must observe all local plumbing laws and codes.
- Do not install this valve if it does not meet local plumbing codes.
- Shut off the main water supply.

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NOTICE TO HOMEOWNER

- We recommend that this product is installed by a qualified professional plumber.
- Please check this product immediately to ensure that it has not been damaged and is complete. Before installation, please make sure this product is the correct model and you have all the parts required for installation and use.
- Please flush the water system to ensure that no metal swarf, solder, and other impurities can enter the product.
- Turn off water supply before commencing work.
- Please read these instructions carefully and retain for future reference.

OPERATING SPECIFICATIONS

WATER TEMPERATURE



This product is to be used with water at a temperature range of 40°F - 120°F ONLY!

WATER PRESSURE



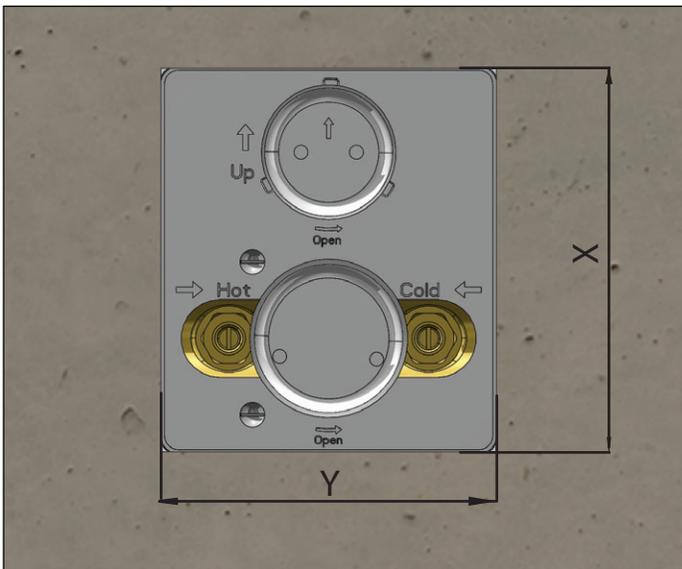
This product is to be used with a water pressure range of 15 PSI to 80 PSI ONLY

If water pressure is greater than 80 PSI install a pressure reducing valve (PRV)

This valve meets or exceeds ANSI A112.18.1 and ASSE 1016

This valve is certified by IAPMO

CUT OUT DIMENSIONS



Isenberg's TVL valves comes with a black pre-attached mud-guard. This mud-guard is not to be removed or discarded. Its purpose is to guide the installation professional on the proper cut-out dimensions of the drywall.

Wall Cut Out Dimensions
From **Center Point** of Valve:

TVL.2700

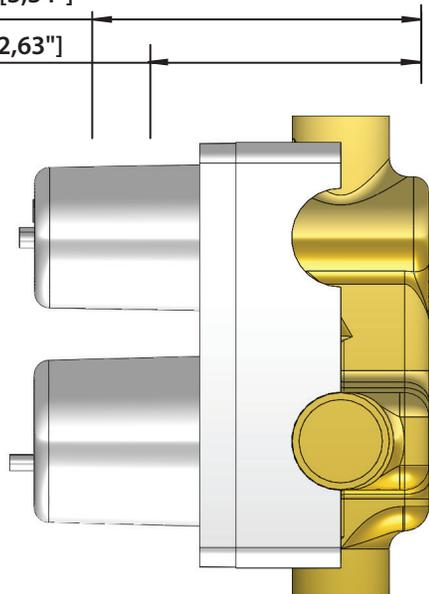
X = 138mm / 5.43"

Y = 121mm / 4.76"

ROUGH IN SPECIFICATION

Maximum = 85mm [3,34"]

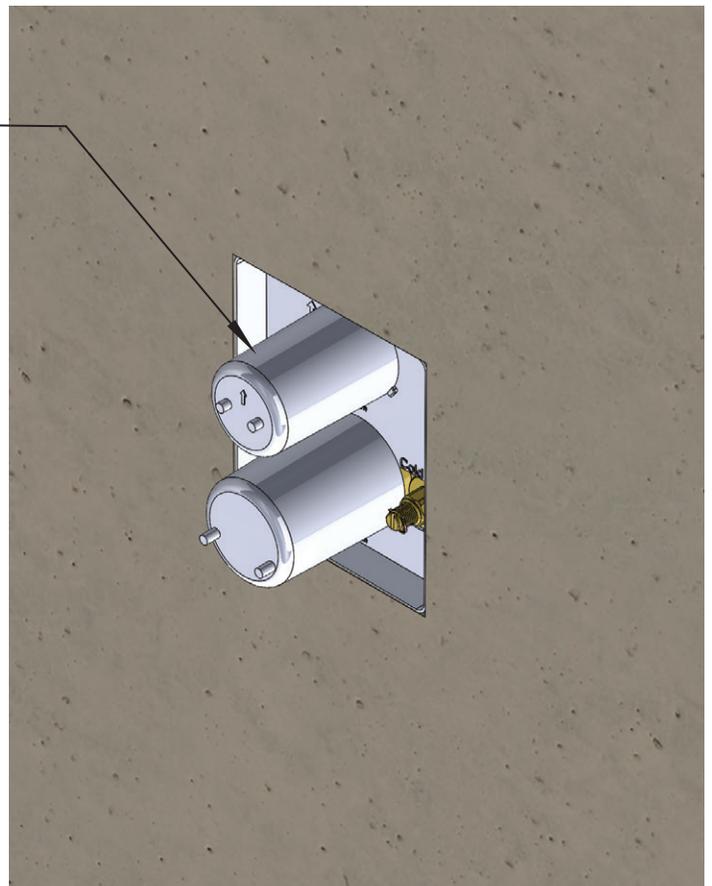
Minimum = 67mm [2,63"]



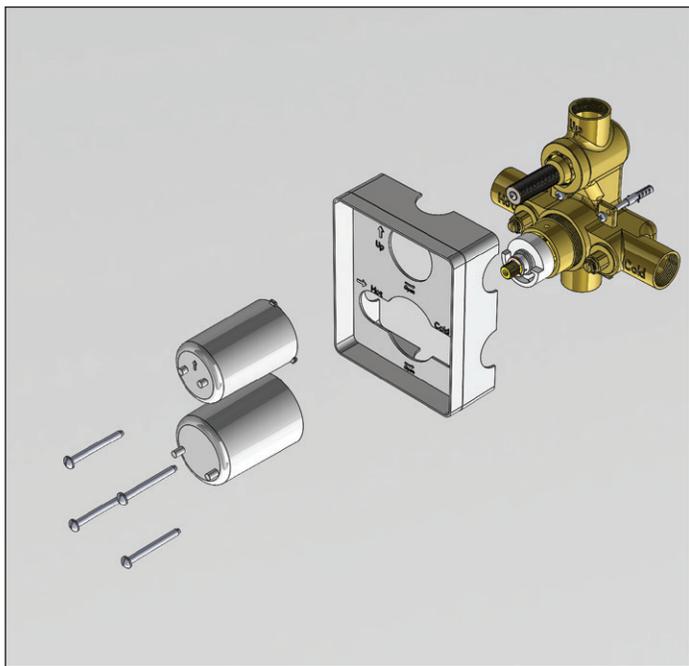
The distance between back of the valve to the finished tile surface should be between 2.63" and 3.34" inches.

Finished tile should fall between Min & Max.

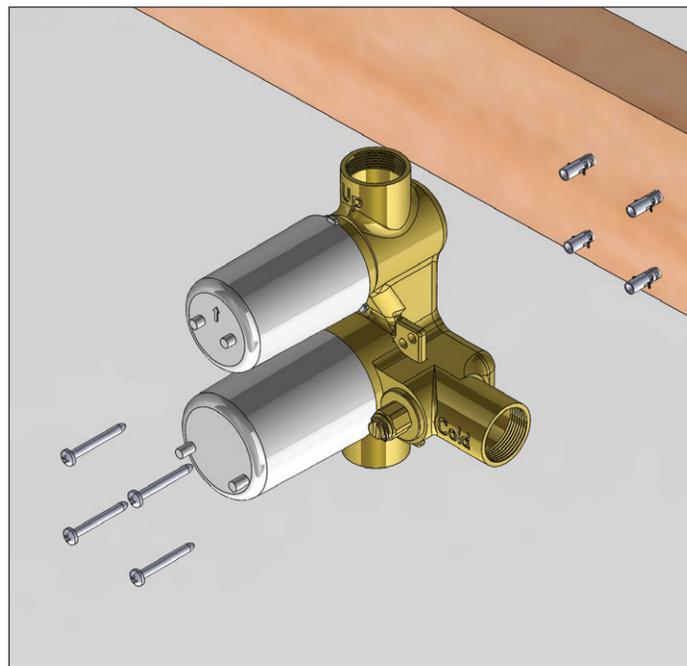
If valve is installed too deep into the wall, extensions are available.



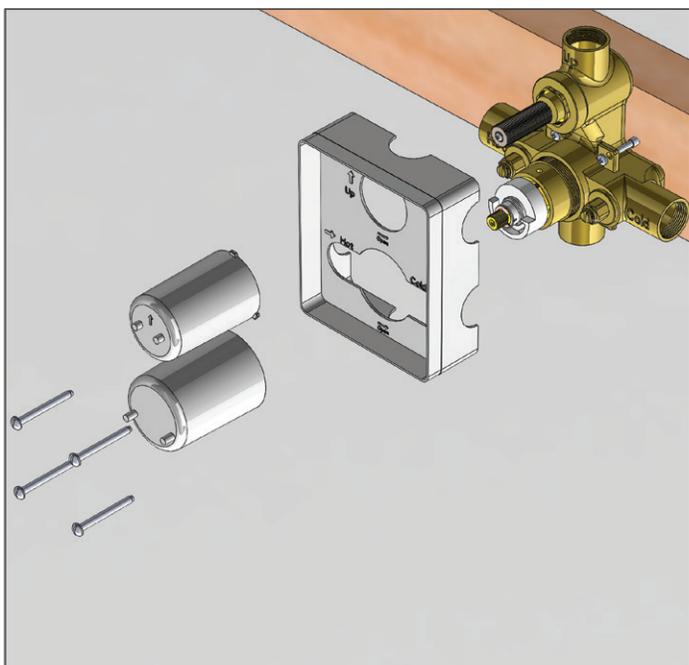
SECURING THE VALVE AND CONNECTING THE SUPPLY & OUTPUT LINES



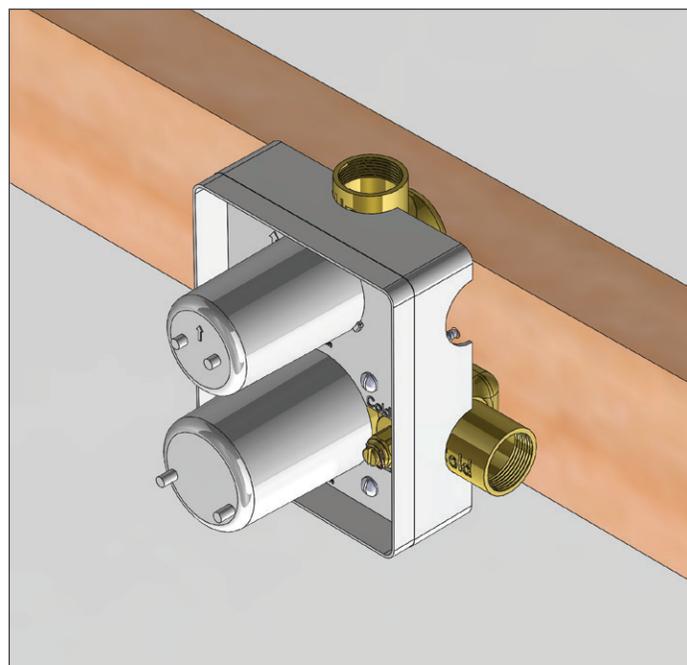
Identify mounting holes on valve



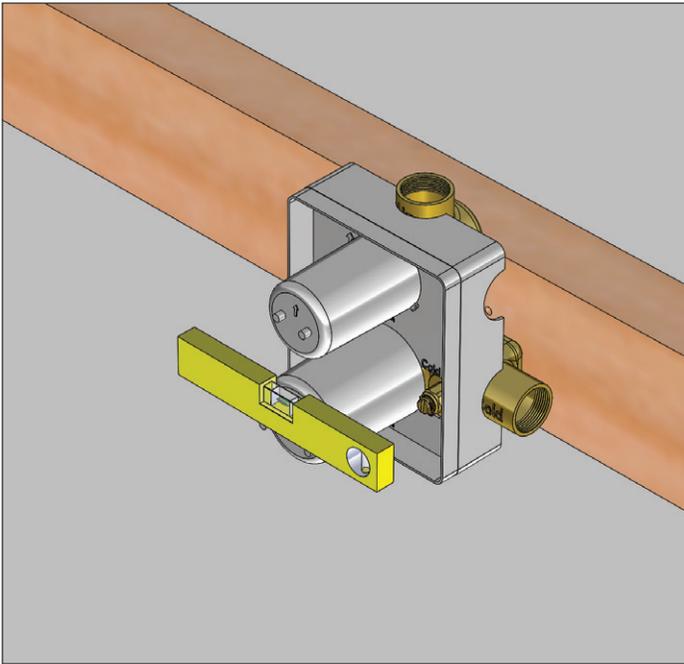
Secure valve to back wall



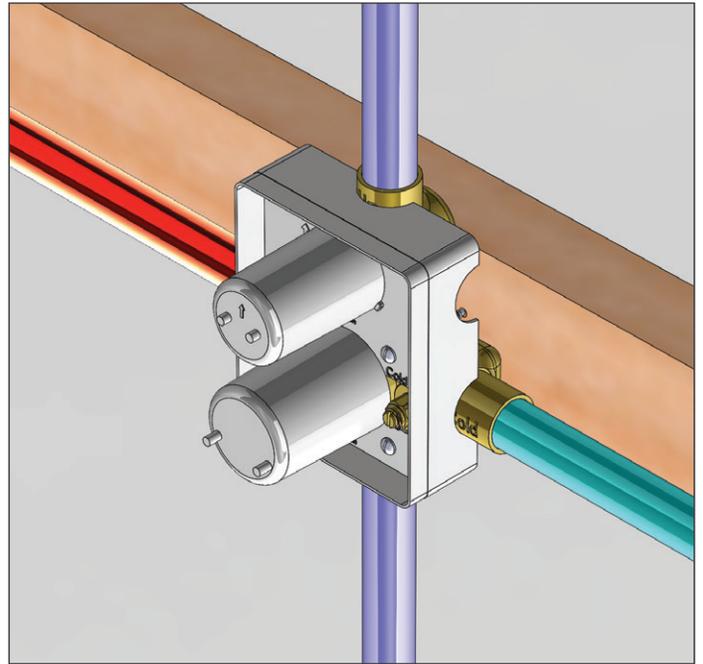
Re-attach mud guard



CONNECTING THE SUPPLY & OUTPUT LINES

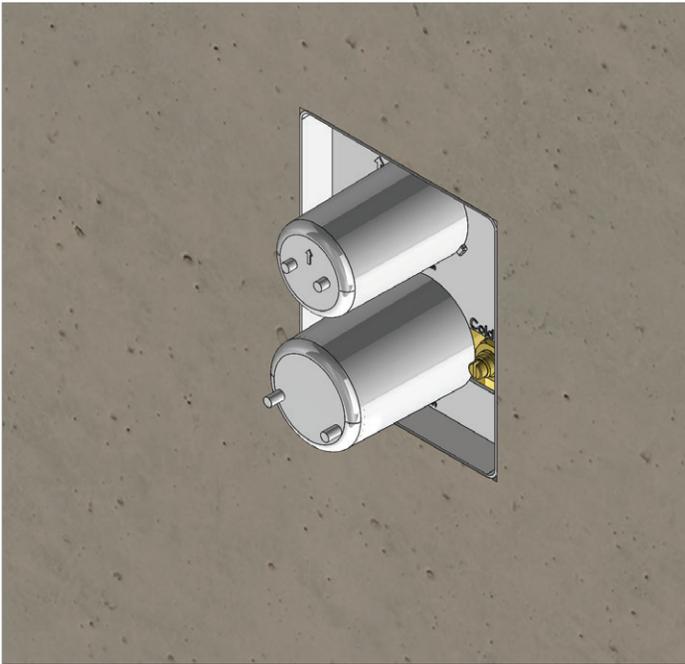


Level Valve



Attach Hot/Cold Supply Lines

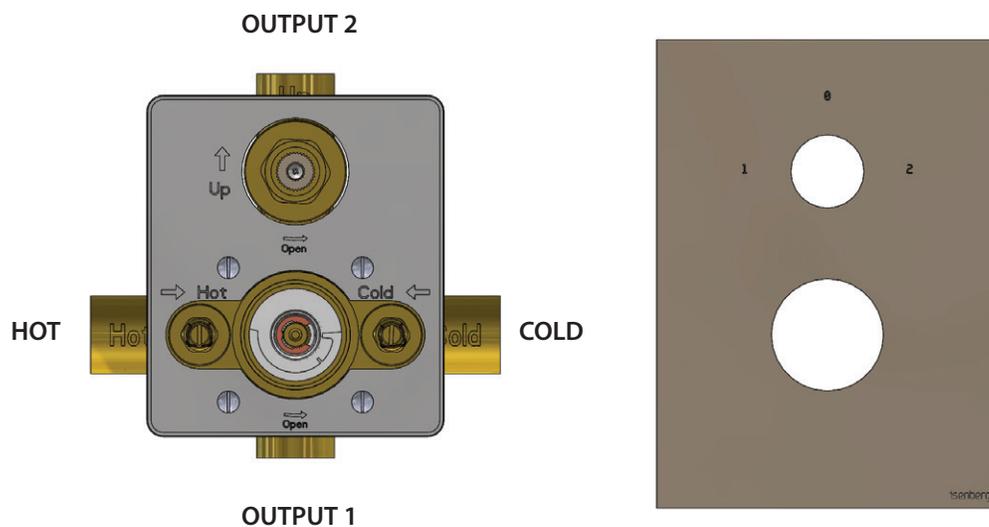
FINISH TILE POSITION



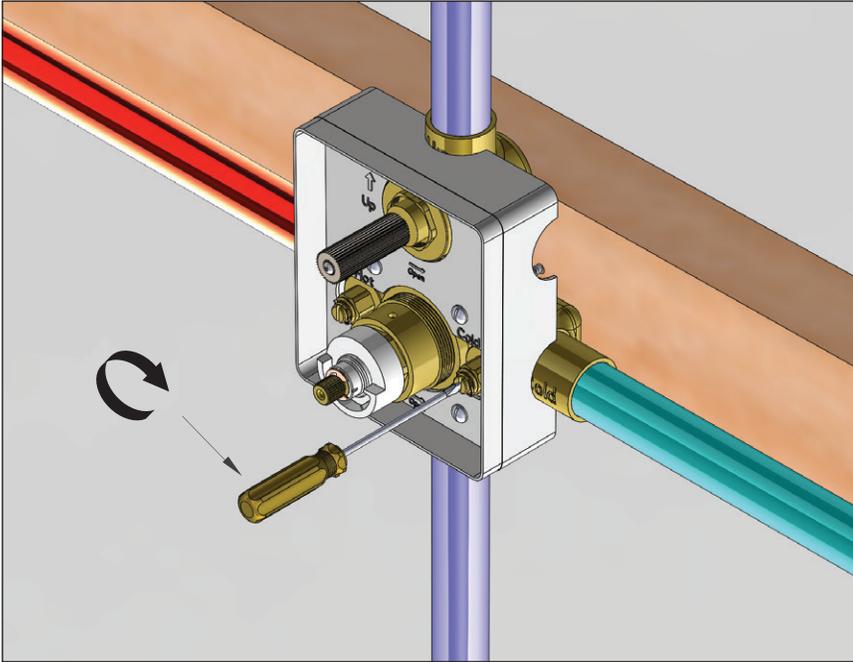
Install Drywall and Tile. Ensure finished tile surface is between the min and max marks on the mud guards.

TRIM MARKINGS / WATER OUTPUT

The below diagram shows the markings on the trim plate and the outputs on the valve. This will help the installation professional to connect the appropriate accessories to the valve output ports.



USING THE SUPPLY STOPS

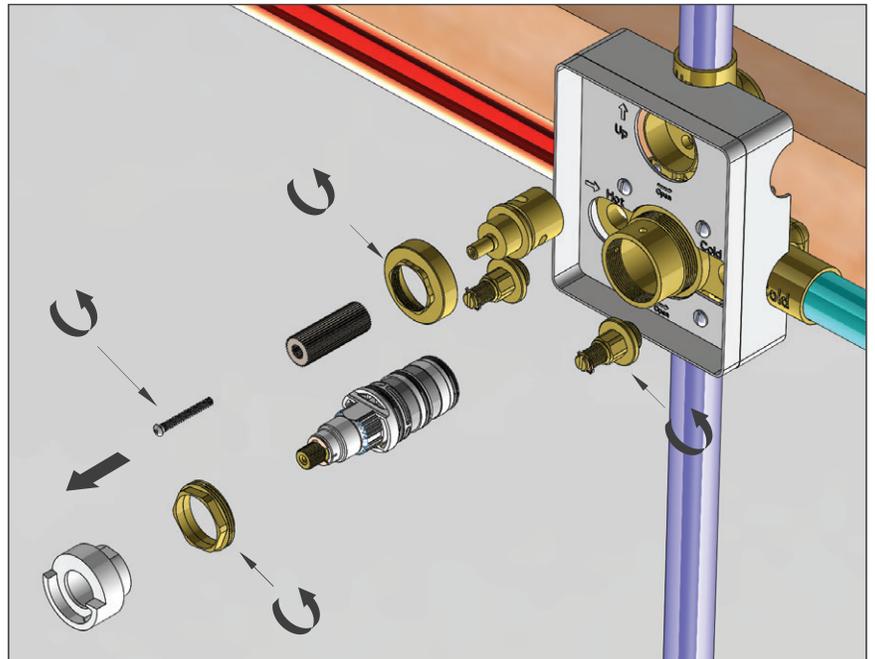


Turn Clock-wise 7 times to stop water flow.

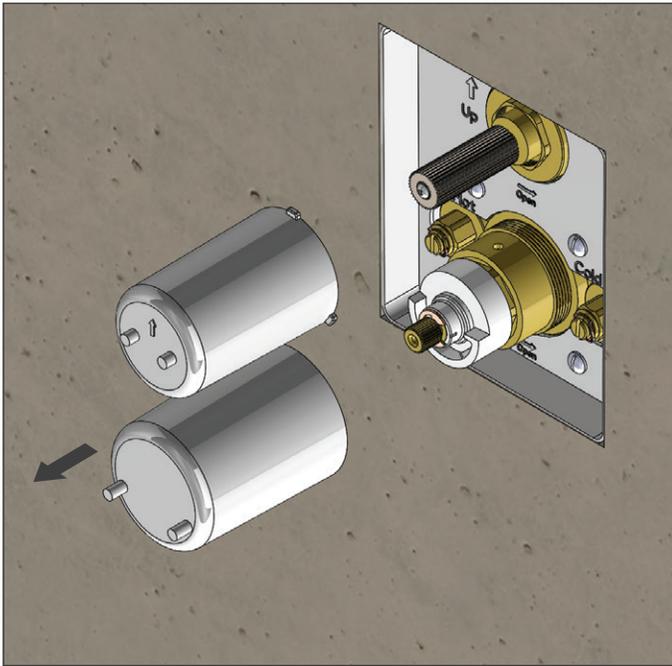
FLUSHING THE VALVE

In order to clear dirt in the lines - you must flush the valve before the wall is closed and water is turned on for the first time.

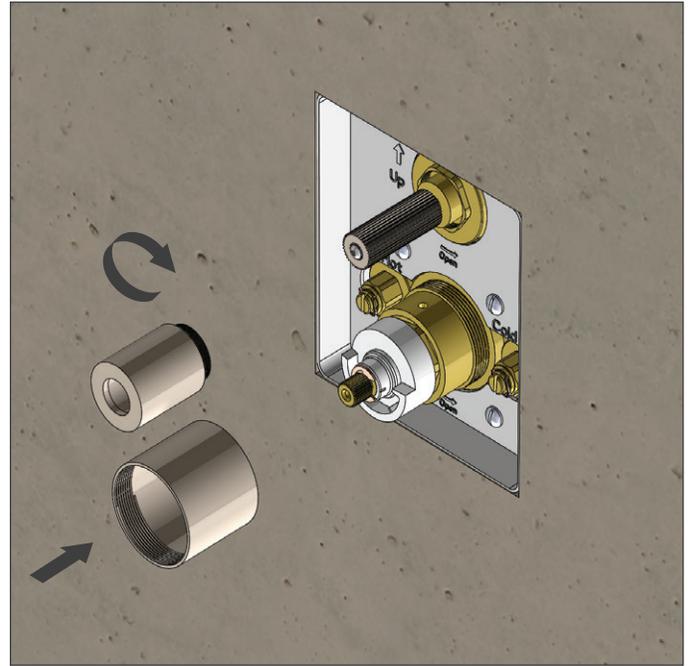
- 1) Remove the 2 supply stops by turning with a spanner
- 2) Remove thermostatic cartridge by turning with a spanner
- 3) Remove volume control cartridge by turning with a spanner
- 4) Turn on water supply and let water flow removing any dirt in the lines.



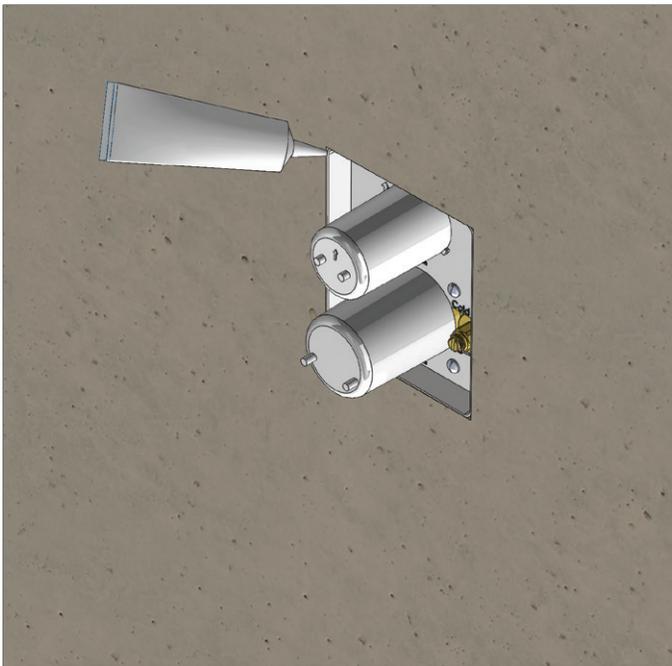
INSTALLING THE TRIM - TRIM PLATE SIZE AND SHAPE MAY VARY - ILLUSTRATION ONLY



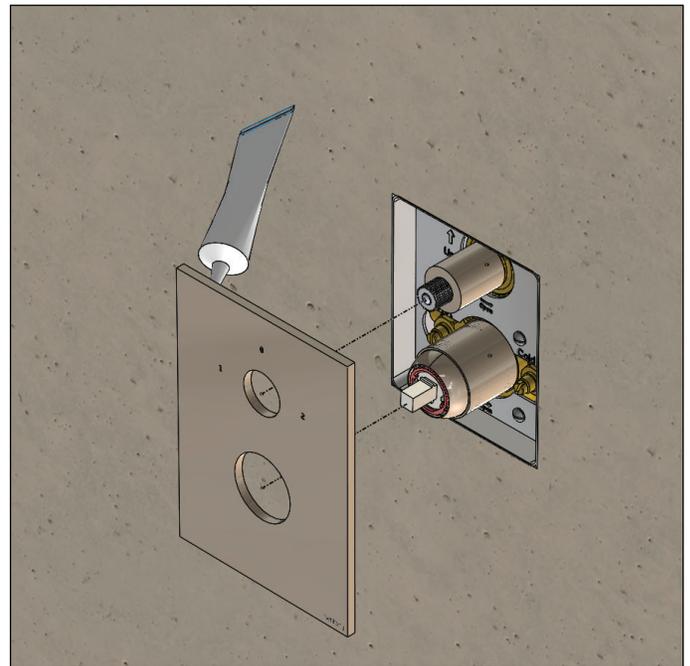
Remove protective cover



Insert cartridge covers

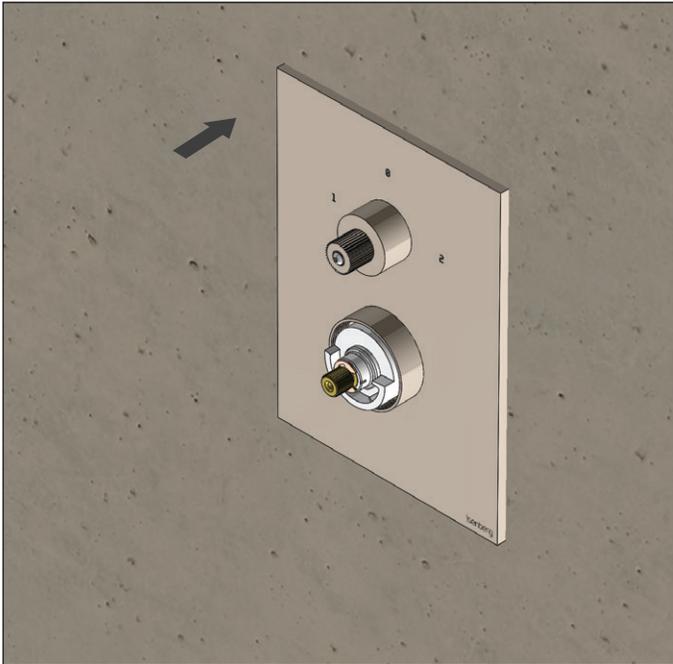


Apply silicone as seen above

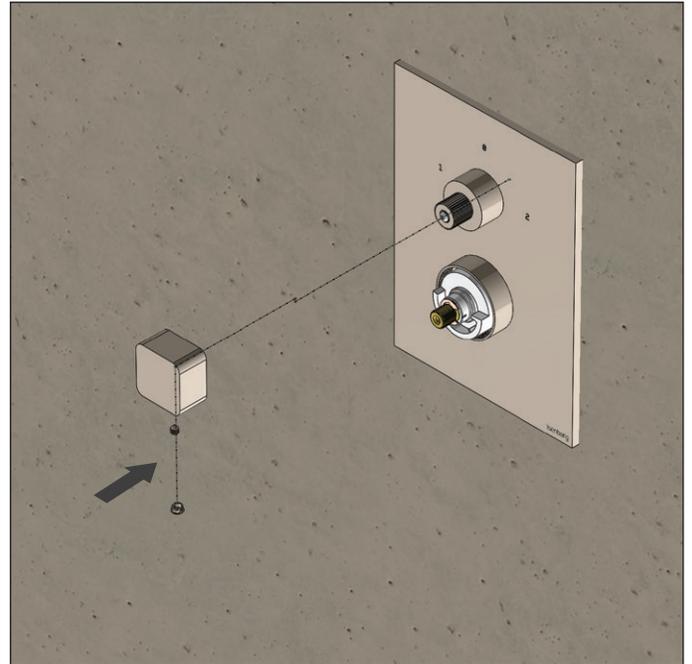


Apply silicone as seen above

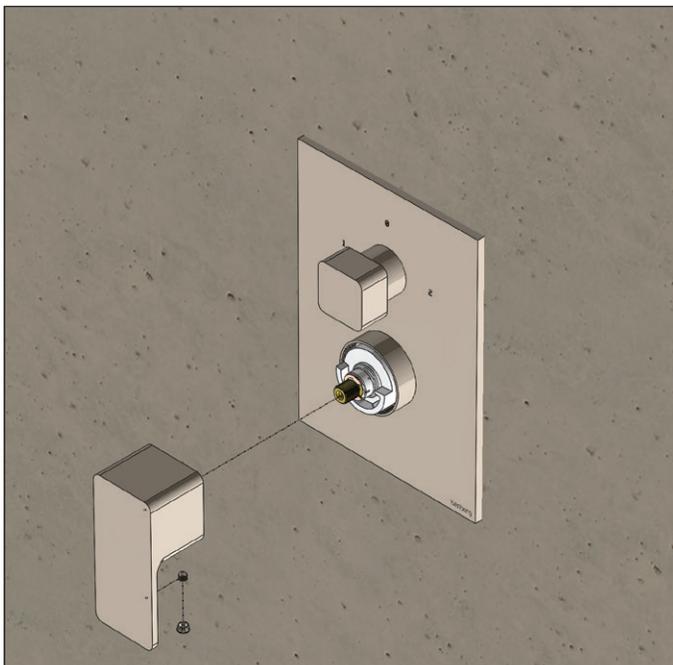
INSTALLING THE TRIM - TRIM PLATE SIZE AND SHAPE MAY VARY - ILLUSTRATION ONLY



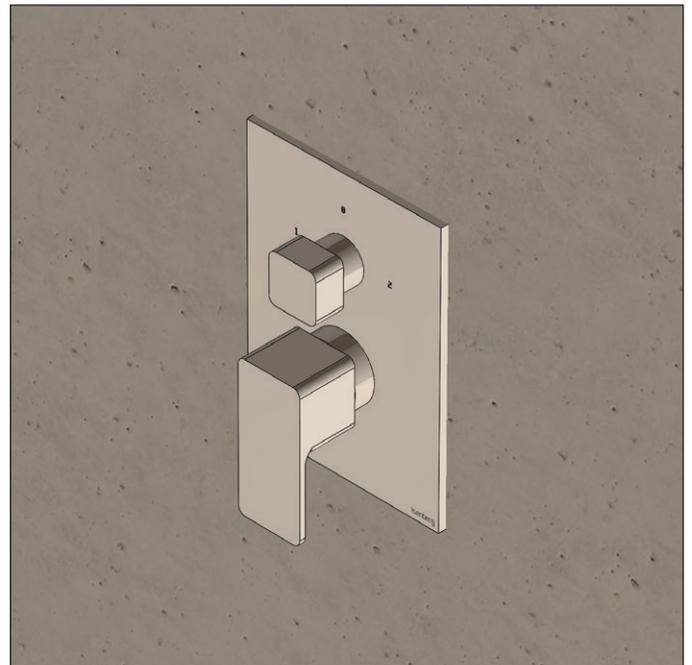
Insert trim plate



Insert diverter handle

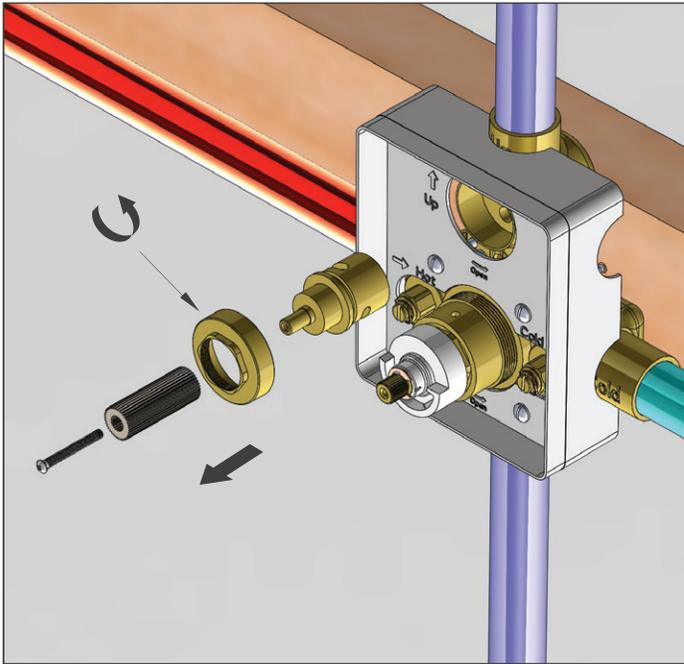


Insert temperature handle



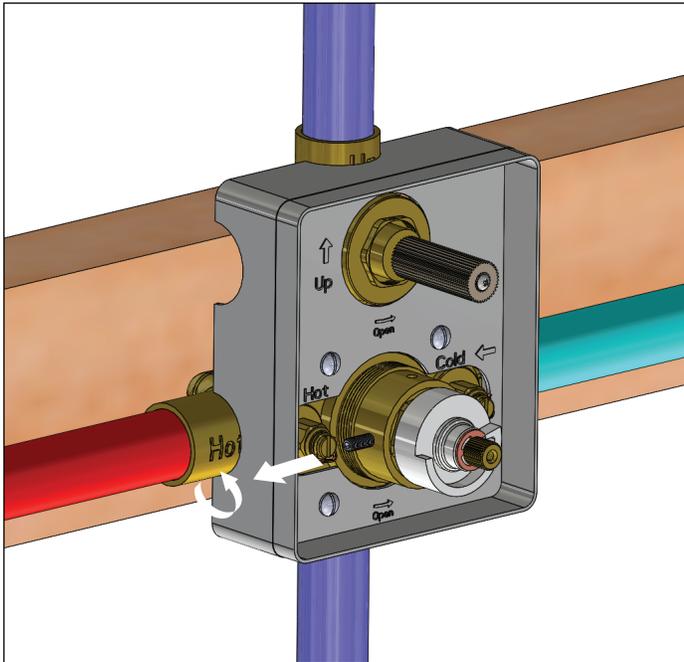
This photo shows a completely installed trim

REPLACING THE DIVERTER CARTRIDGE

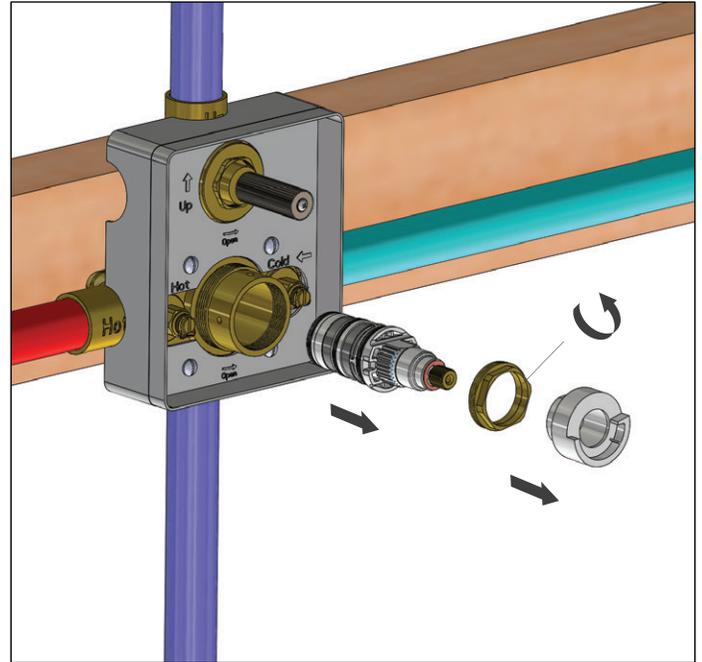


1. Turn brass retaining nut
2. Pull out diverter cartridge

REPLACING THE TEMPERATURE CARTRIDGE

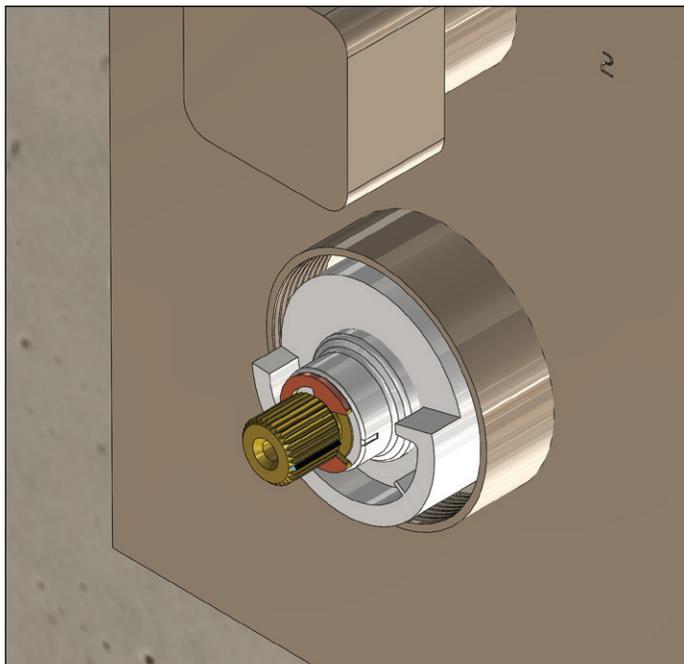


Remove hex nut on side of thermostatic cartridge.



Remove anti-scald plastic ring and loosen brass retaining nut. Then pull out cartridge.

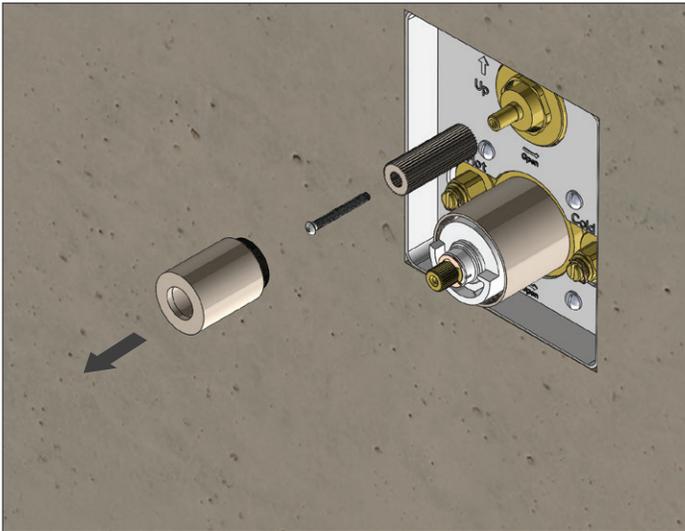
CALIBRATING THE TEMPERATURE CARTRIDGE



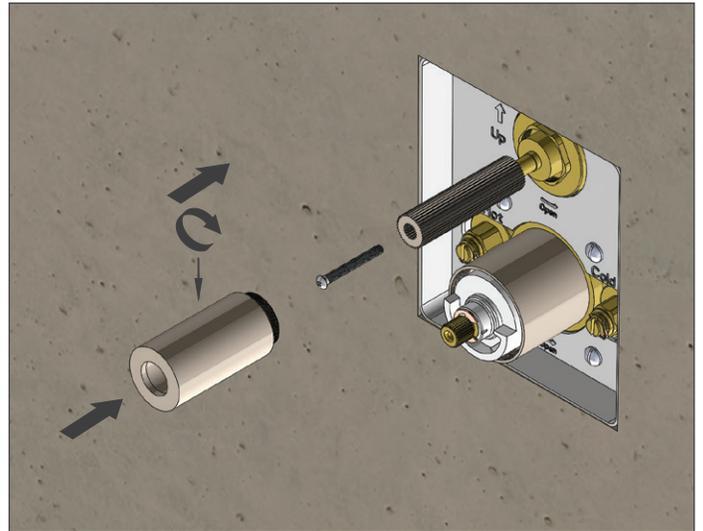
1) When handle is inserted make sure the groove on the side of the cartridge is aligned with the black line on the cartridge as seen on the left.

2) Then insert handle pointing down

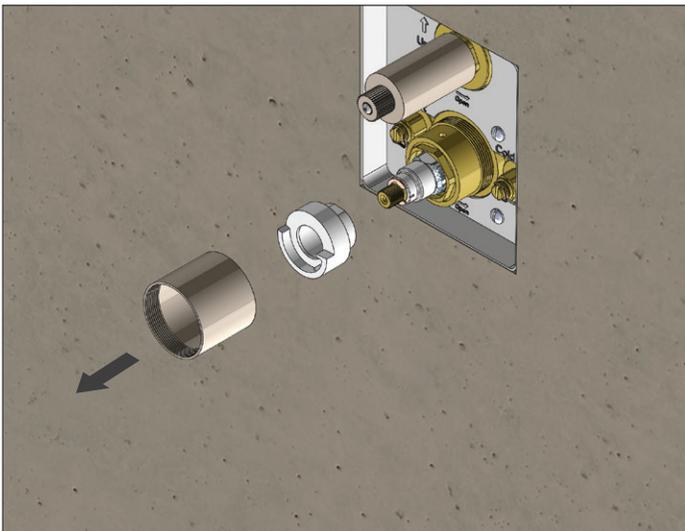
INSTALLING EXTENSIONS TO THE VALVE - OPTIONAL



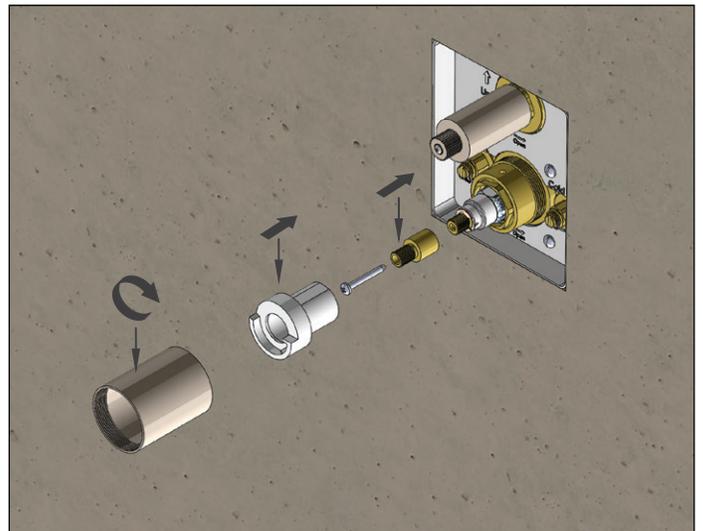
Remove diverter cover and black connector



Insert extended black connector and diverter connector

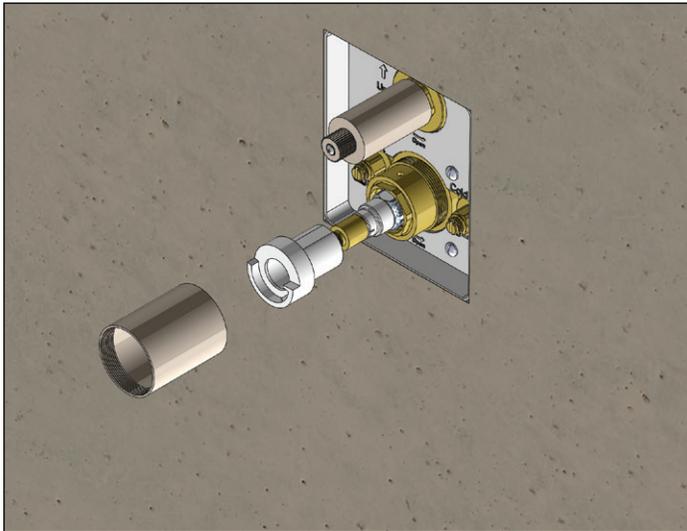


Remove temperature cartridge cover and anti-scald ring

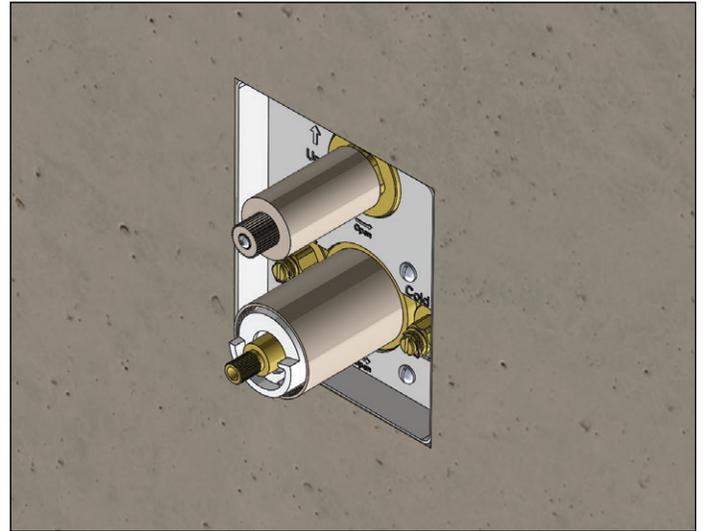


Insert cartridge extension, extended temperature cartridge cover and extended anti-scald ring

INSTALLING EXTENSIONS TO THE VALVE - OPTIONAL



Insert cartridge extension, extended temperature cartridge cover and extended anti-scald ring



Fully installed extension kit