StyleTherm Vista™

THX-R

½" StyleTherm Vista™ Valve Rough with up to Three (3) Outlets
Installation Instructions

CALIFORNIA FAUCETS RECOMMENDS THAT ALL PLUMBING PRODUCTS BE INSTALLED BY A LICENSED PROFESSIONAL

IMPORTANT: Read all instructions prior to installation and provide copy of instructions to consumer.

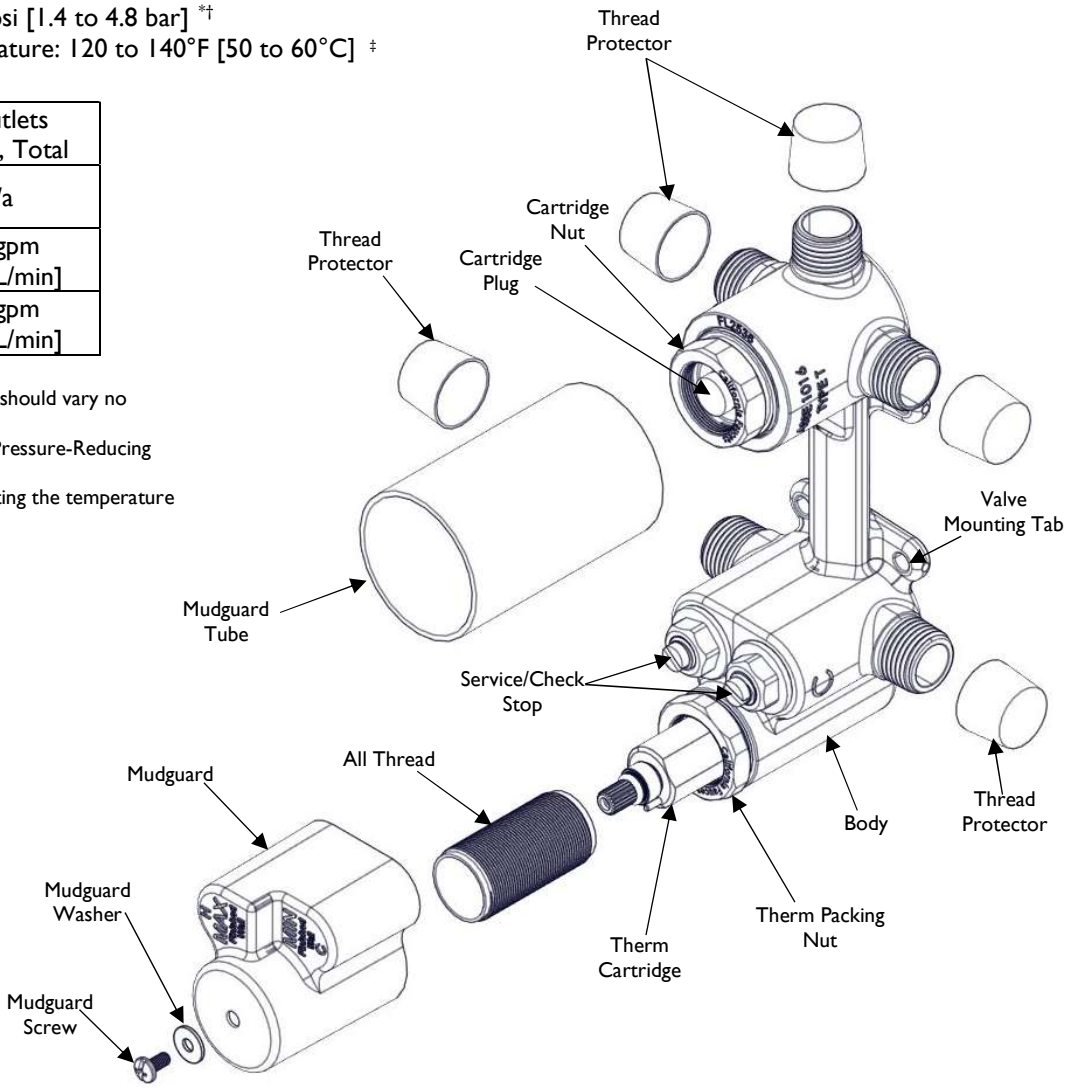
WARNING: This valve is factory set to deliver water at 100°F [38°C]; however, it is the installer's responsibility to verify correct temperature setting to prevent risk on scalding or other severe injury prior to consumer use. The installer is responsible for adjusting maximum temperature setting according to Therm Rough and Therm Trim Installation Instructions.

WARNING: To prevent possible injury and/or flood damage, the valve's CARTRIDGE NUTS must always be tightened to the factory torque setting of 11 lb-ft (14.9 Nm)

Operating Specifications:
Recommended Supply Pressure: 20 to 70 psi [1.4 to 4.8 bar] *†
Recommended Hot Water Supply Temperature: 120 to 140°F [50 to 60°C] ‡
Nominal Flow Rate @ 60 psi:

Cartridge Outlets	Single Outlet	2 Outlets Shared, Total
1	6.7 gpm [25.4 L/min]	n/a
2	6.6 gpm [25.1 L/min]	6.9 gpm [26.3 L/min]
3	6.7 gpm [25.7 L/min]	5.6 gpm [21.3 L/min]

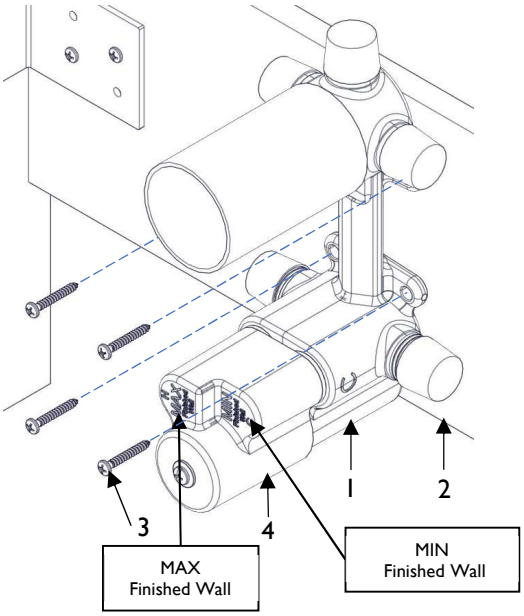
* Operating pressures between hot and cold supplies should vary no more than 30 psi [2.1 bar].
† If water pressure exceeds 70 psi [4.8 bar], install a Pressure-Reducing Valve (RPV).
‡ Follow all applicable local plumbing codes when setting the temperature on the water heater.

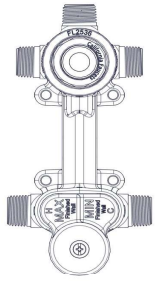


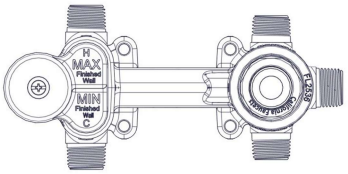
1 INSTALLING VALVE TO FRAME

NOTE: THX-R can be mounted vertically or horizontally based on desire of trim installation. Depicted is a vertical installation but method for horizontal is the same.

- Determine the desired location and orientation for the valve, construct suitable stud, and support framing
- Attach VALVE **(1)** to CROSS SUPPORT **(2)** by using SCREWS **(3)** (not supplied) as shown
- The valve should be level in HORIZONTAL, VERTICAL and PARALLEL to wall
- Placement of VALVE **(1)** and CROSS SUPPORT **(2)** within the wall shall be determined by the MIN/MAX Limits shown on MUDGUARD **(4)**
- Distance as measured from rear flat surface of mounting tabs:
  MIN: 3-11/16"
  MAX: 4-1/8"



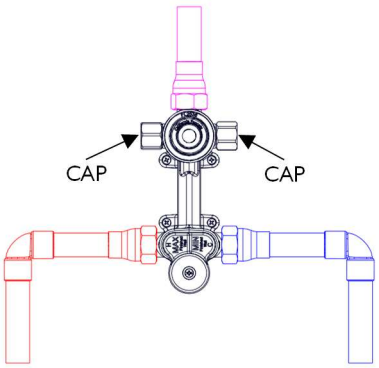
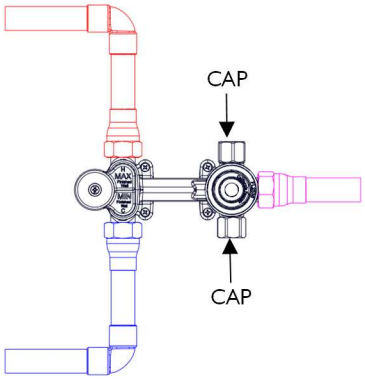
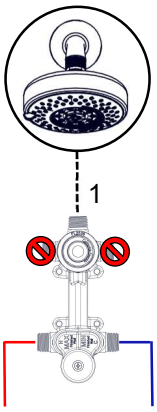

Vertical Installation


Horizontal Installation
(Diverter must be on right side)

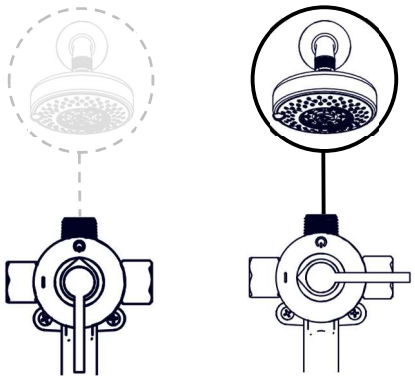
2 LAYOUT CONNECTIONS

- Prior to making any connections, determine what trim & outlet device(s) will be used with the valve
- Find the Trim SKU (model no.) being used on the valve & install per layout on following pages
- The following layouts will help plan the proper water connections based on Trim & outlet device(s)

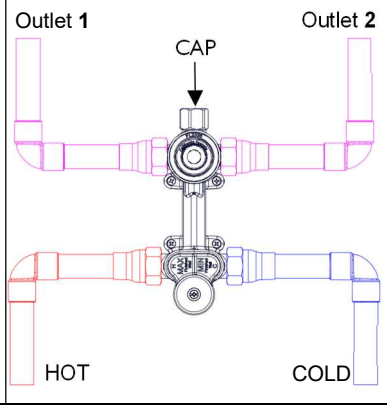
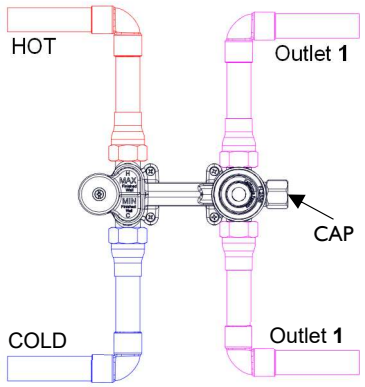
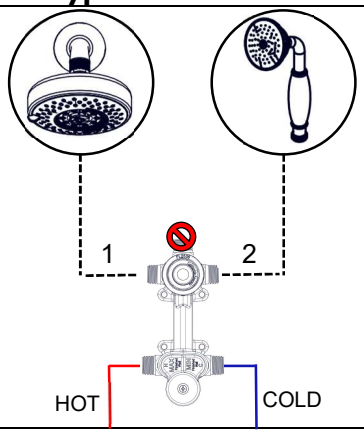
Layout 1: One (1) Outlet Device

Trim SKU	Vertical Installation	Horizontal Installation	Typical Installation
TO-THF1-XX **TO-THQ1-XX** **TO-THFF1-XX** **TO-THRR1-XX** **TO-THQQ1-XX**			

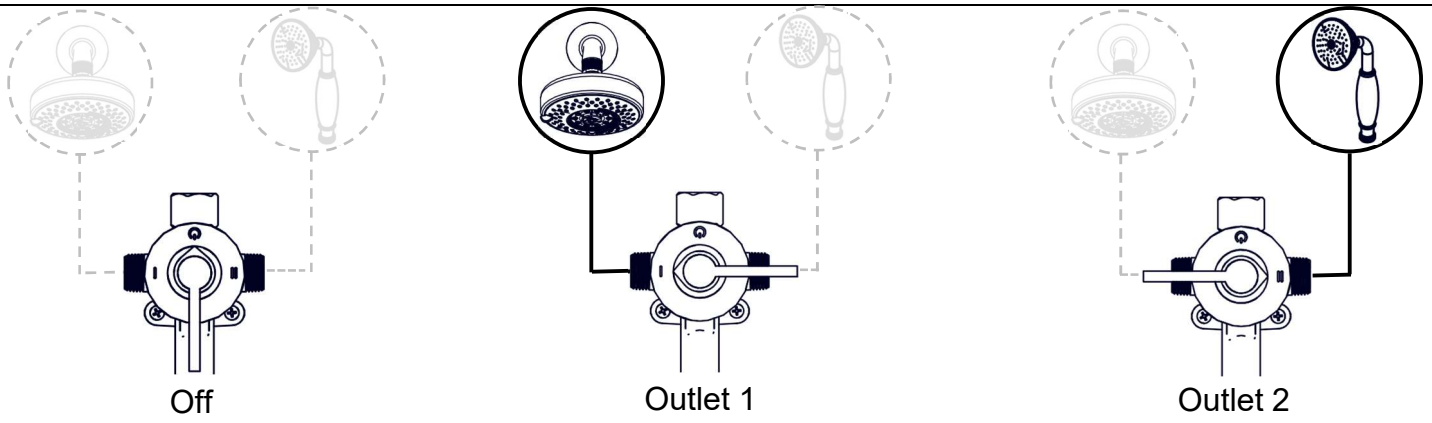
Flow Path - 1 Outlet



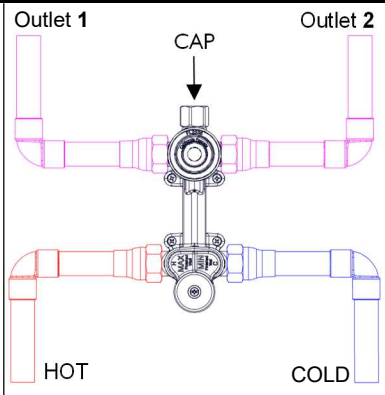
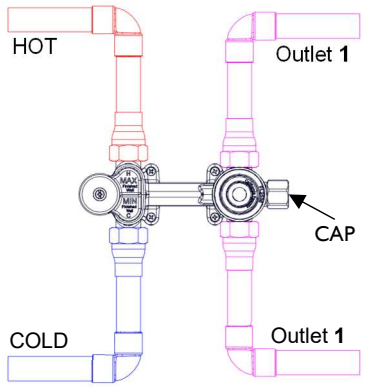
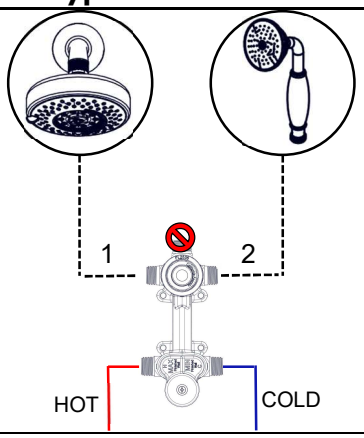
Layout 2: Two (2) Outlet Devices – *non-shared*

Trim SKU	Vertical Installation	Horizontal Installation	Typical Installation
TO-THF2-XX **TO-THQ2-XX** **TO-THFF2-XX** **TO-THRR2-XX** **TO-THQQ2-XX**			

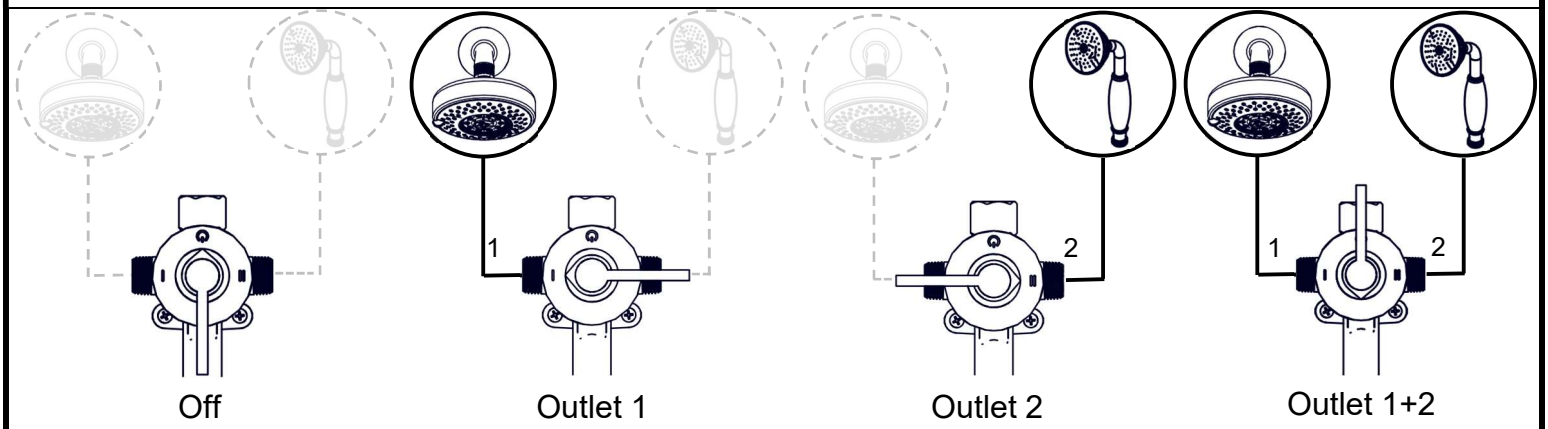
Flow Path - 2 Outlet – *non-shared*



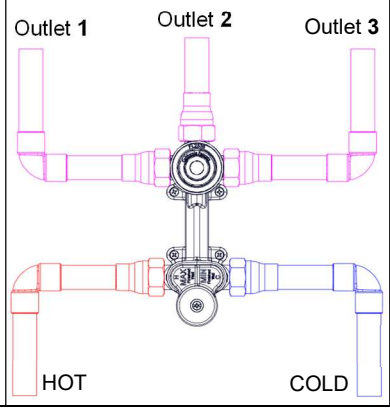
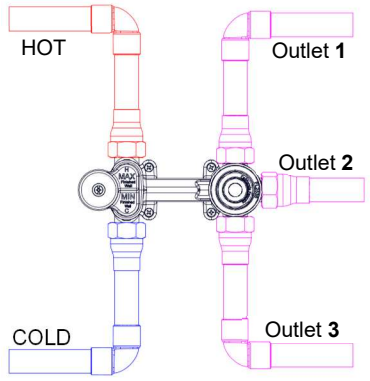
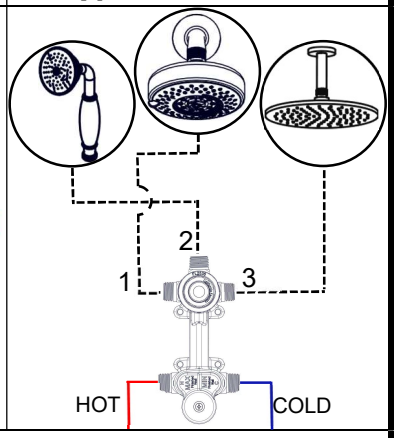
Layout 2S: Two (2) Outlet Devices - *shared*

Trim SKU	Vertical Installation	Horizontal Installation	Typical Installation
TO-THF2S-XX **TO-THQ2S-XX** **TO-THFF2S-XX** **TO-THRR2S-XX** **TO-THQQ2S-XX**			

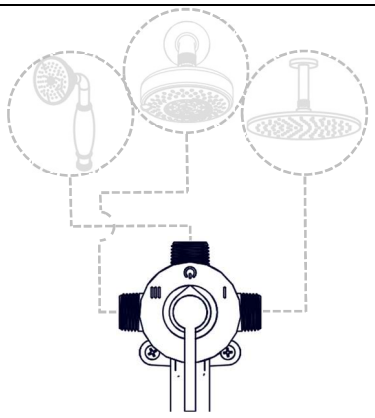
Flow Path - 2 Outlets - *shared*



Layout 3: Three (3) Outlet Devices – *non-shared*

Trim SKU	Vertical Installation	Horizontal Installation	Typical Installation
TO-THF3-XX **TO-THQ3-XX** **TO-THFF3-XX** **TO-THRR3-XX** **TO-THQQ3-XX**			

Flow Paths - 3 Outlets – *non-shared*



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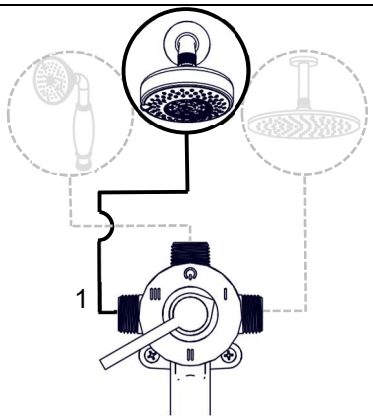
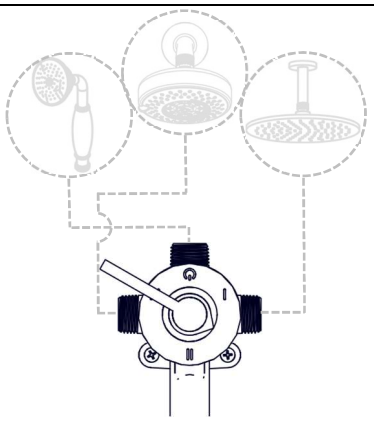


Outlet 1



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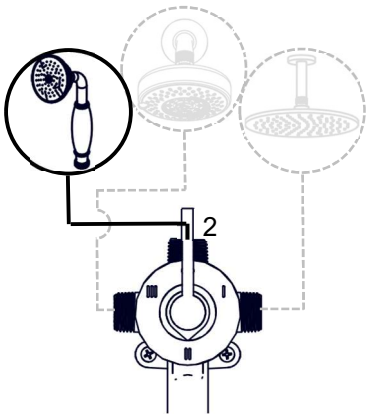
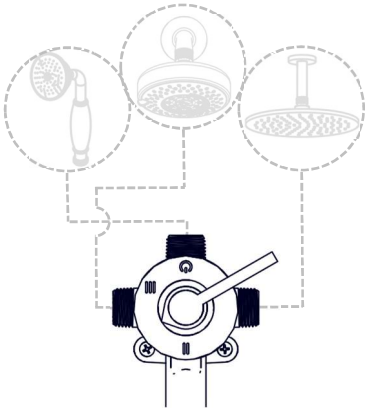


Outlet 2



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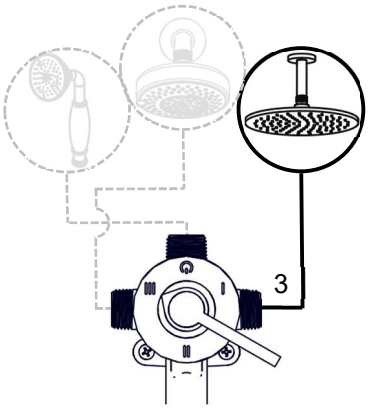
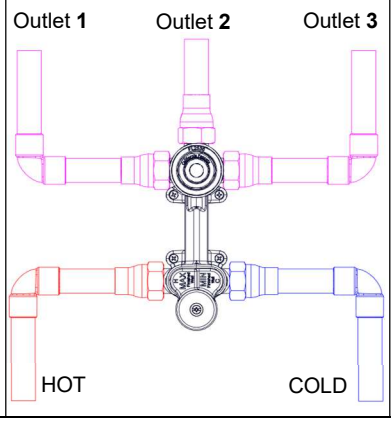
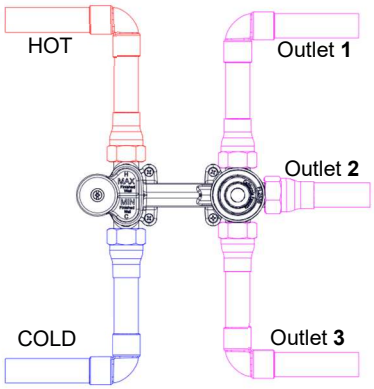
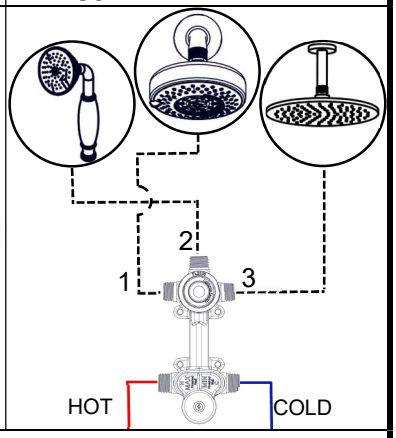
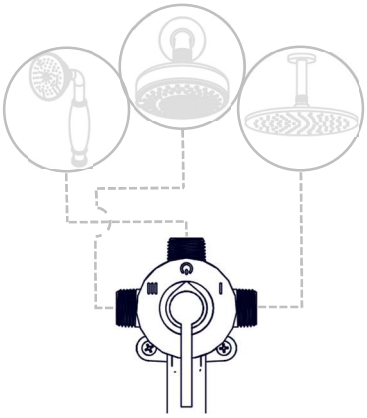


Outlet 3

Layout 3S: Three (3) Outlet Devices - *shared*

Trim SKU	Vertical Installation	Horizontal Installation	Typical Installation
TO-THF3S-XX **TO-THQ3S-XX** **TO-THFF3S-XX** **TO-THRR3S-XX** **TO-THQQ3S-XX**			

Flow Path - 3 Outlets - *shared*



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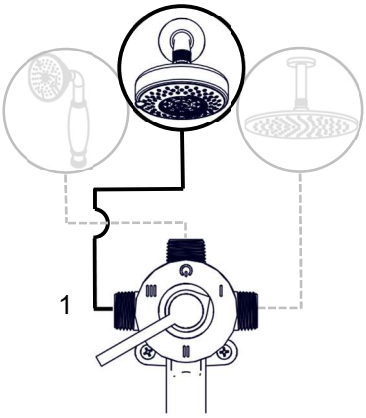
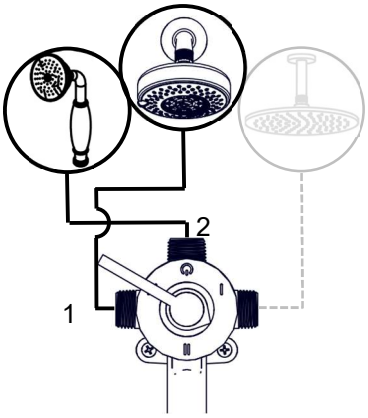
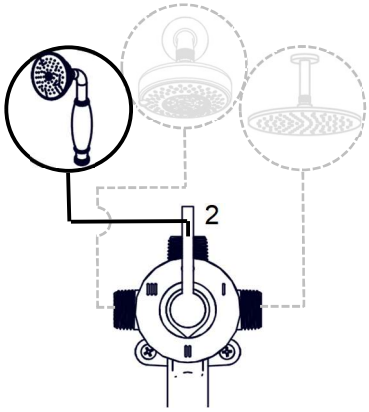


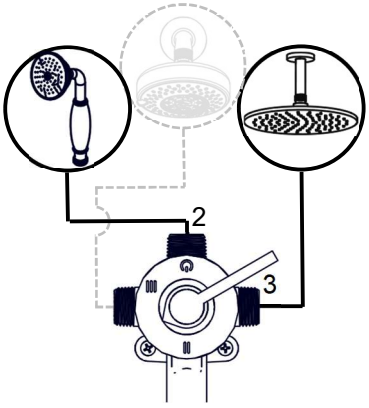
Outlet 1



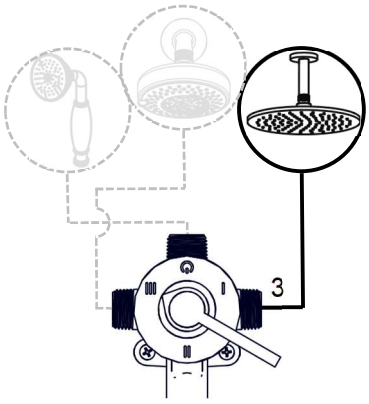
Outlet 1+2



Outlet 2



Outlet 2+3



Outlet 3

3 WATER CONNECTIONS

IMPORTANT: Installer must know how many and which outlets will be used prior to installation (Reference layouts on prior pages).
NOTE: Outlet cartridge is supplied with shower trim.

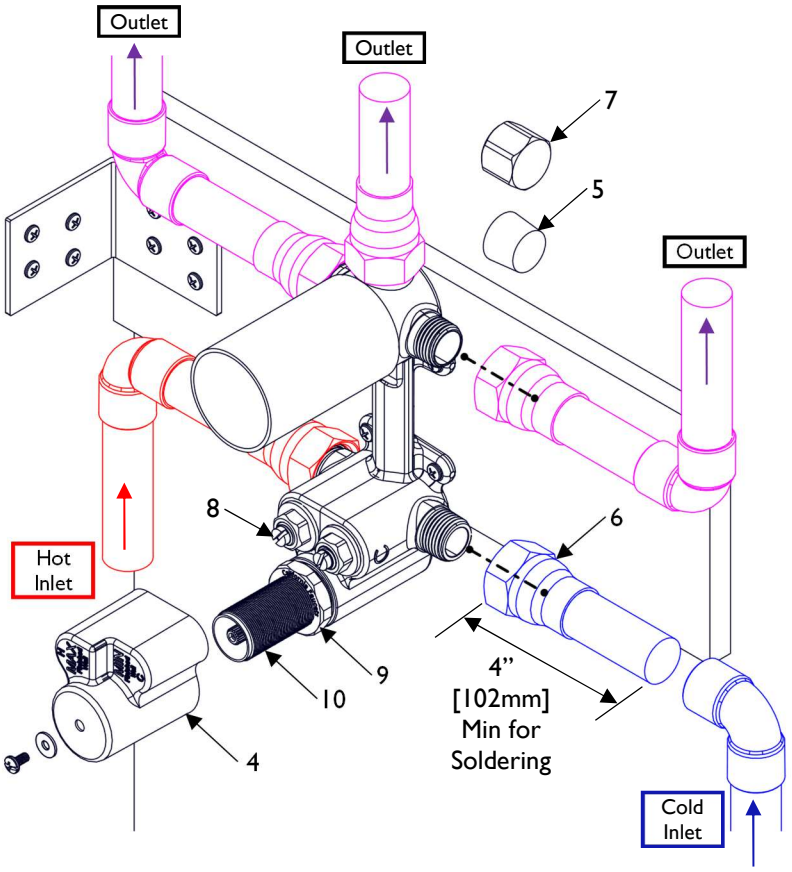
- Remove THREAD PROTECTOR **(5)**
- Pre-assemble all FITTING **(6)** prior to attaching to VALVE **(1)**
- Apply thread sealant to all FITTING **(6)** prior to attaching to VALVE **(1)**.
- Connect Cold supply to inlet marked "C" and the HOT supply to inlet marked "H"

IMPORTANT: Flush supply lines prior to installation to prevent damage and malfunction of therm cartridge.

WARNING: Do not apply excessive heat (i.e. solder, braze, etc.) to valve. Excessive heat WILL cause valve failure and void warranty. Avoid direct contact with flux and acid compounds

IMPORTANT: All soldering of FITTINGS **(6)** shall be performed a minimum of 4" [102mm] away from VALVE **(1)**

- Connect FITTING **(6)** to outlets per trim/device layout on prior pages
- Seal unused outlets with CAP **(7)** (not supplied)
- With all connections complete or capped, seal/cap all outlet device stub outs
- Remove the MUDGUARD **(4)** and confirm HOT & COLD service/check STOP **(8)** are closed
- Turn on water supplies to VALVE **(1)**
- Slowly open HOT & COLD service/check STOP **(8)** & check for leaks
- After leak check, close HOT & COLD service/check STOP **(8)** do not overtighten as this may damage STOP **(8)**
- If CARTRIDGE NUT **(9)** has been loosened, re-tighten to factory torque setting of 11 lb-ft (14.9 Nm) using 1-1/4" socket or wrench
- Hand tighten ALL THREAD **(10)**
- Replace MUDGUARD **(4)** onto valve



4 FINISHED WALL

- VALVE **(1)** shall be located in the wall so that FINISHED WALL **(11)** falls within the MIN/MAX limits stated on MUDGUARD **(4)**
- Distance as measured from rear flat surface of mounting tabs:

  MIN: 3-11/16"

  MAX: 4-1/8"
- These finished wall requirements are necessary for proper fit of trim.