



California Faucets®

StyleTherm®

THT52-R

1/2" Thermostatic Valve with Dual Volume Control Rough 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; 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 Thermostatic Rough and Thermostatic Trim Installation Instructions.

WARNING: To prevent possible injury and/or flood damage, the valve's CARTRIDGE NUT must always be tightened to the factory torque setting of 10lb. ft. (13.6 Nm)

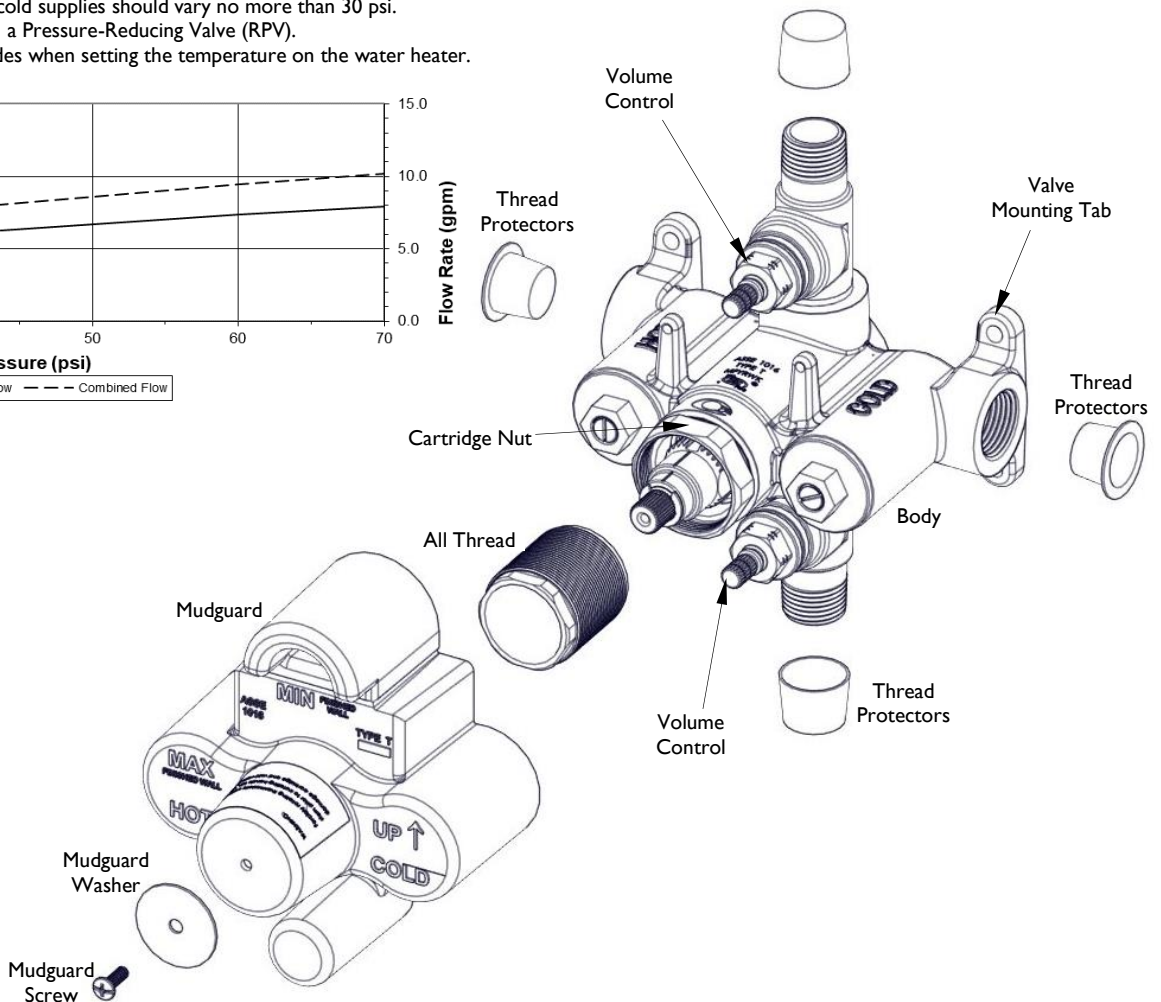
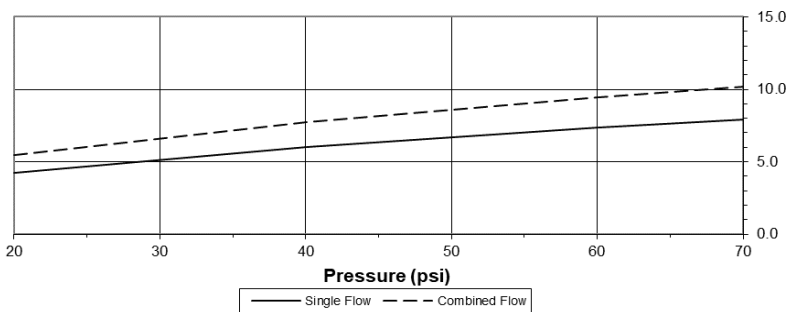
Operating Specifications:

Recommended Supply Pressure:	20 to 70 psi*†
Recommended Hot Water Supply Temperature:	120 to 140°F‡
Nominal Flow Rate @ 60 psi:	7.4 gpm

* Operating pressures between hot and cold supplies should vary no more than 30 psi.

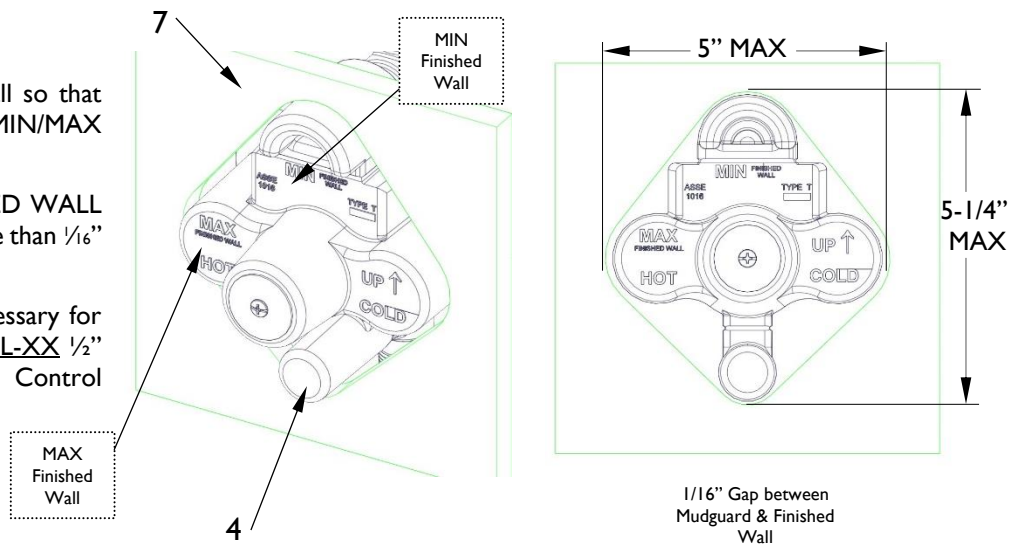
† If water pressure exceeds 70 psi, install a Pressure-Reducing Valve (RPV).

‡ Follow all applicable local plumbing codes when setting the temperature on the water heater.



3 FINISHED WALL

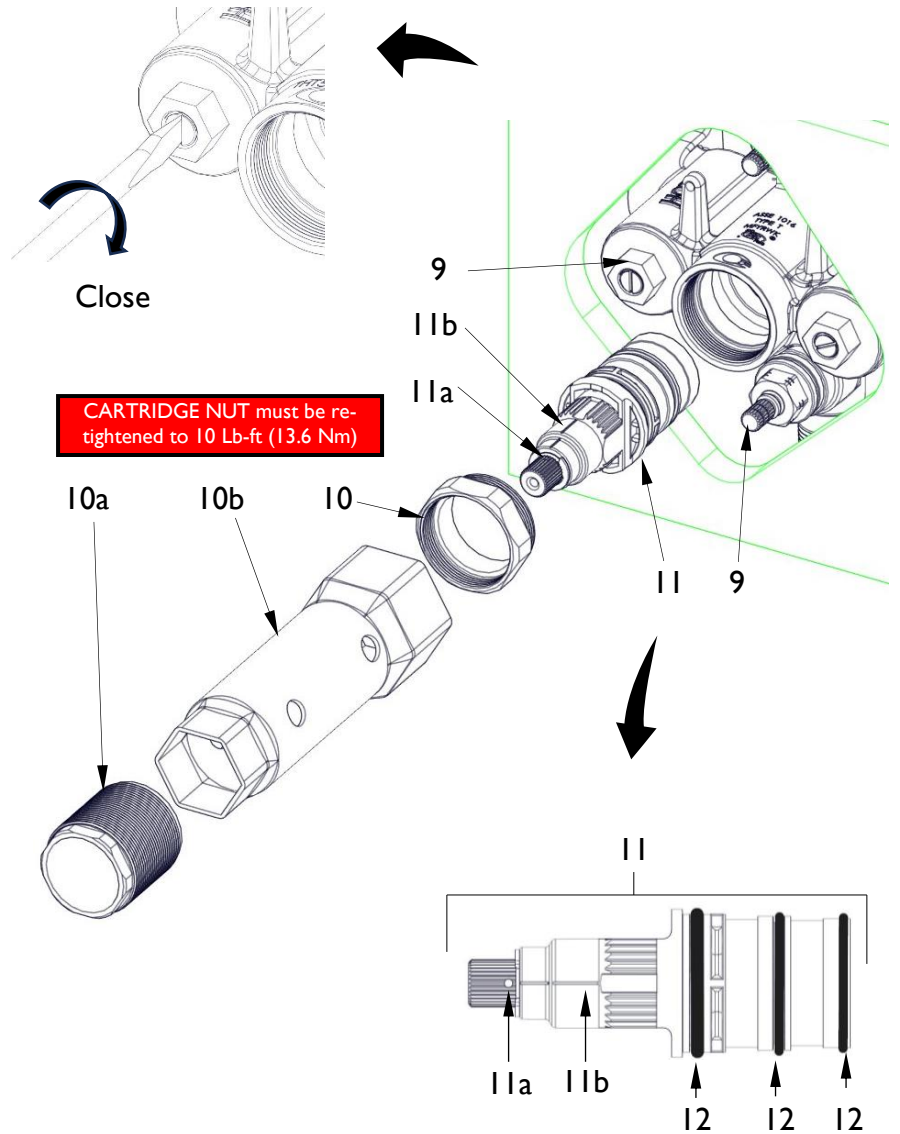
- VALVE (1) shall be located in framed wall so that FINISHED WALL (7) falls within the MIN/MAX limits stated on MUDGUARD (4)
- The Maximum GAP (8) between FINISHED WALL (7) and MUDGUARD (4) shall be no more than 1/16" to allow for proper trim coverage
- These finished wall requirements are necessary for proper fit of trim as described in TO-TH2L-XX 1/2" Thermostatic Trim with Single Volume Control Installation Instructions



4 MAINTENANCE

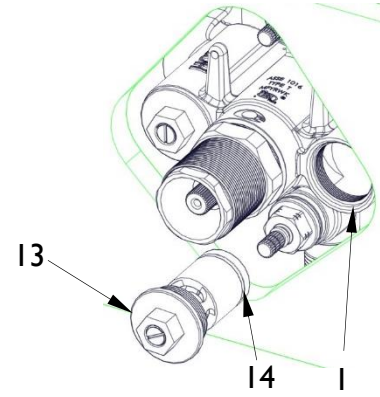
Thermostatic Cartridge Service

- Shut off water supply to thermostatic cartridge by turning hot & cold SERVICE STOP SCREW (9) clockwise (inward) until screw stops
- Remove CARTRIDGE NUT (10) using wrench SPD-880618-91 (sold separately) from the BODY (1)
- Gently pull THERMOSTATIC CARTRIDGE (11) out of BODY (1) (rotating cartridge while pulling may assist in removal)
- Rinse cartridge screens under running water to remove any possible debris
- Prior to installing THERMOSTATIC CARTRIDGE (11) into BODY (1), apply a thin film of non-petroleum based grease onto O-RING (12)
- Align THERMOSTATIC CARTRIDGE STEM (11a) indentation or ink line with THERMOSTATIC CARTRIDGE GROOVE (11b) and insert THERMOSTATIC CARTRIDGE (11) into BODY (1) with THERMOSTATIC CARTRIDGE GROOVE (11b) straight up at 12 o'clock position
- Re-tighten CARTRIDGE NUT (10) to factory torque setting of 10 ft-lb (13.6 Nm) using WRENCH (10b) SPD-880618-91 (sold separately)
- Open water supply to thermostatic cartridge by turning hot & cold SERVICE STOP SCREW (9) counter-clockwise (outward) until screw stops



Check Valve Service

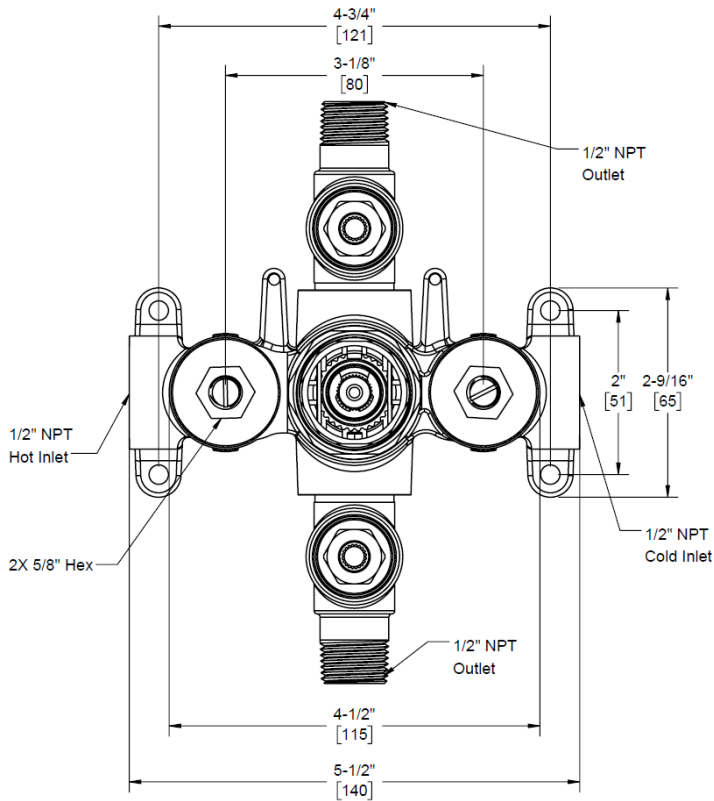
- Shut off water supply to valve inlets at main or valve upstream from BODY (1)
- Remove CHECK VALVE (13) from BODY (1)
- Rinse CHECK VALVE (14) under running water
- Prior to installing CHECK VALVE (13) into BODY (1), apply a thin film of **non-petroleum** based grease onto O-RING (14)
- Tighten CHECK VALVE (13) to 10 ft-lbs (13.6 Nm)



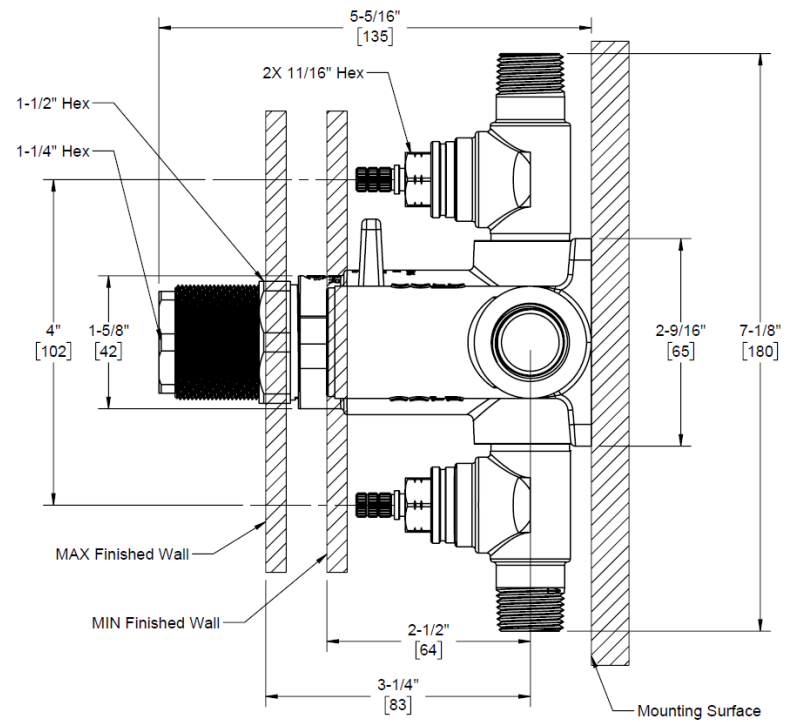
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ROUGH-IN DIMENSIONS

FRONT VIEW



SIDE VIEW



ALL DIMENSIONS SHOWN TO NEAREST 1/16"