

# VL-R

## Vessel Rough Valve

### 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.**

#### Operating Specifications:

Recommended Supply Pressure: 20 to 70 psi [1.4 to 4.8 bar] <sup>\*†</sup>

\* Operating pressures between hot and cold supplies should vary no more than 30 psi [2.1 bar].

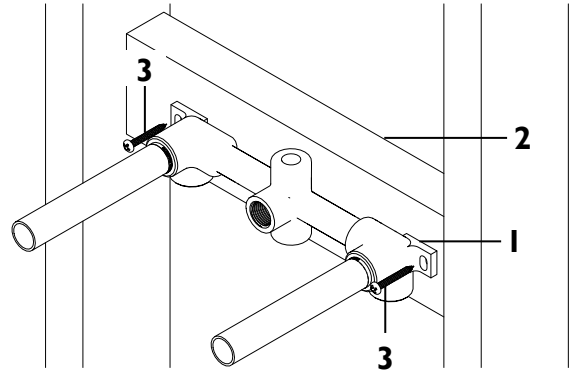
† If water pressure exceeds 70 psi [4.8 bar], install a Pressure-Reducing Valve (PRV).

## I INSTALLING VALVE

- Install BRACING (2) (2x4 stud recommended) at desired height and depth

**IMPORTANT:** Refer to table in DIMENSIONS section for desired depth depending on trim series dimensions, "A" and "B"

- Secure VALVE (1) to BRACING (2) using SCREW (3) (not supplied)



## 2 SUPPLY CONNECTIONS

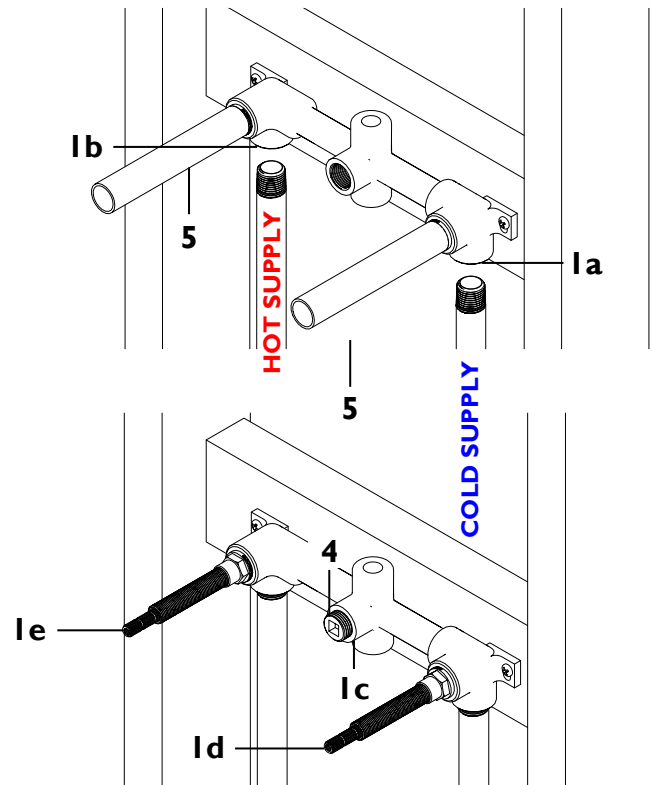
- Connect cold supply to COLD INLET (1a) and connect hot supply to HOT INLET (1b)

**NOTE:** Use thread sealant (not supplied) on all threaded connections; do NOT exceed more than 3 wraps of Teflon tape.

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

**WARNING:** All soldering of fittings shall be performed a minimum of 4" away from VALVE (1)

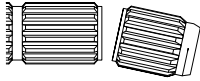
- To check for leaks, install 1/2" NPT PLUG (4) (not supplied) into SPOUT OUTLET (1c)
- Turn on water supply valve
- Remove MUDGUARDS (5)
- To "open" valve, turn STEM (1d) counterclockwise (CCW) for cold supply and STEM (1e) clockwise (CW) for hot supply
- Check all connections for leaks



### 3

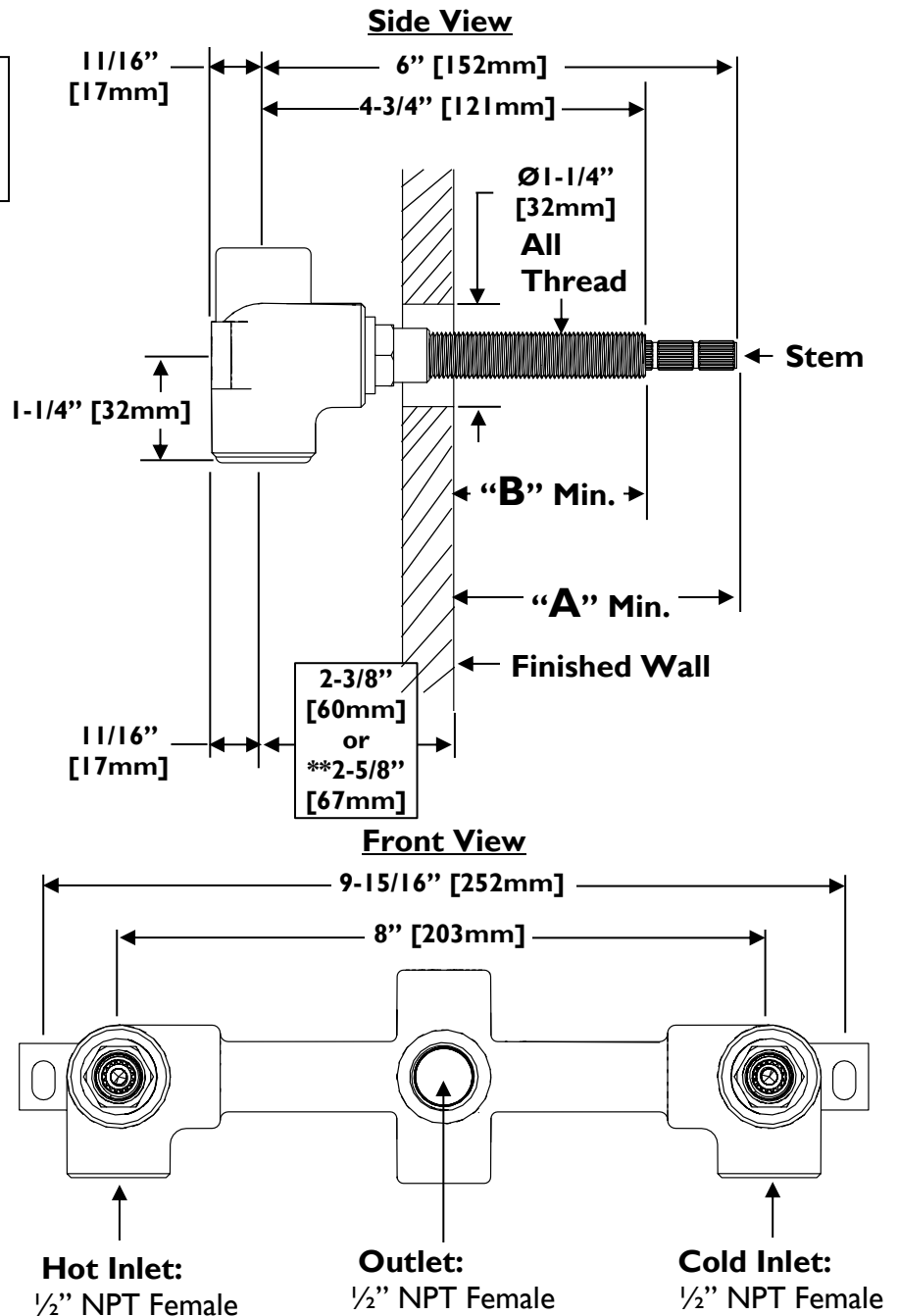
## DIMENSIONS

**NOTE:** When fitting handle it may be necessary to shorten Stem and/or All Thread to eliminate gap between handle & escutcheon.



"A" = Stem overall length for Finished Wall  
"B" = All Thread overall length from Finished Wall

Handle Series #	"A" Minimum, in.[mm]	"B" Minimum, in.[mm]
30, 30X, 31, 31X	1-3/4" [44]	7/8" [22]
33, 68	2-1/2" [64]	1-1/2" [38]
34	2-7/16" [62]	1-1/2" [38]
35, 32	2-1/2" [64]	1-1/2" [38]
37, 37X, 38, 38X	1-1/16" [27]	1/4" [6]
39	1-3/8" [35]	3/16" [5]
40	1-1/16" [27]	3/16" [5]
41	1-1/8" [29]	3/16" [5]
45, 45X	2" [51]	1-1/8" [29]
46, 47	2-5/16" [59]	1-1/2" [38]
48, 48X	2-3/8" [60]	1-5/8" [41]
52, 53	1-3/8" [35]	1-1/8" [29]
55, 56	2-3/8" [60]	1-9/16" [40]
60, 61, 61X, 61XD	2-1/4" [57]	1-1/2" [38]
62	1-1/16" [27]	1/4" [6]
64	2-1/2" [64]	1-3/4" [44]
65, 66	1-15/16" [49]	1-1/4" [32]
**70	1-3/8" [35]	3/4" [19]
**74, 75	3/4" [19]	0"
**77, 78	1-5/16" [33]	5/8" [16]
**77R, 78R	1-1/8" [29]	5/8" [16]
80, 80W, 81, 81W	1-9/16" [40]	7/8" [22]
85, 85B, 85W, 86, 86W, 86B	1-1/2" [38]	3/4" [19]
CI, CIX, CIXS	1-3/8" [35]	5/8" [16]
**C2, C2B	1-3/8" [35]	3/8" [10]
**E3	1-1/8" [29]	1/4" [6]
**E4	7/8" [22]	1/4" [6]
**E5	7/8" [22]	1/4" [6]



**\*\*NOTE:** Valve rough must be set back a minimum of 2-5/8" [67mm] from finished wall surface to center of inlets

### 4

## RE-ALIGNING CARTRIDGE

**IMPORTANT:** Shut off water supply before starting.

- Slightly loosen in a CCW direction the cartridge NUT (6). Place HANDLE (8) on STEM (7) and tighten in a CW direction until desired alignment of handle is achieved. Retighten cartridge NUT (6) to factory torque setting of 14 lb-ft [19.0 Nm]

**WARNING:** Cartridge NUT (6) must be properly torqued to prevent possible failure and/or water damage.

