



California Faucets®

Miramar™

WALL LAVATORY

TO-V4802X-7/9

Features

- Over 28 finishes including 13 PVD finishes
- All brass construction
- 1.2 gpm (4.5 L/min) max flow rate
- Rough valve (VL-R) sold separately

Codes/Standards

Product meets or exceeds the following:

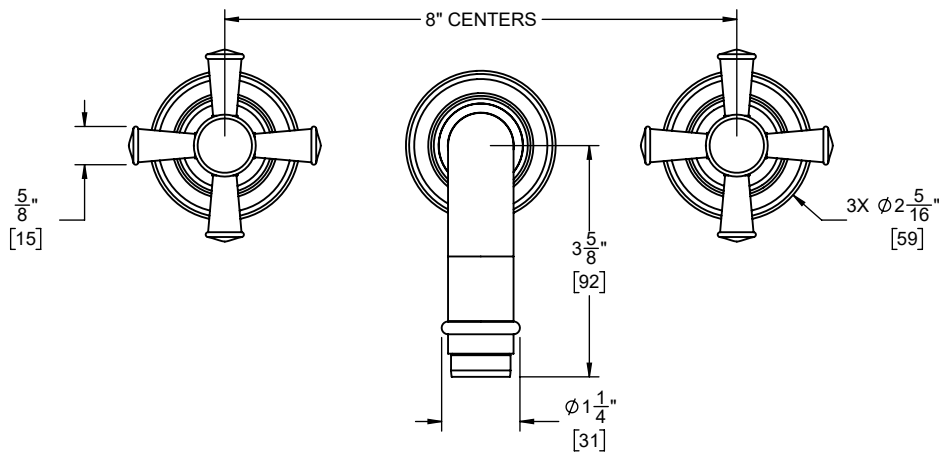
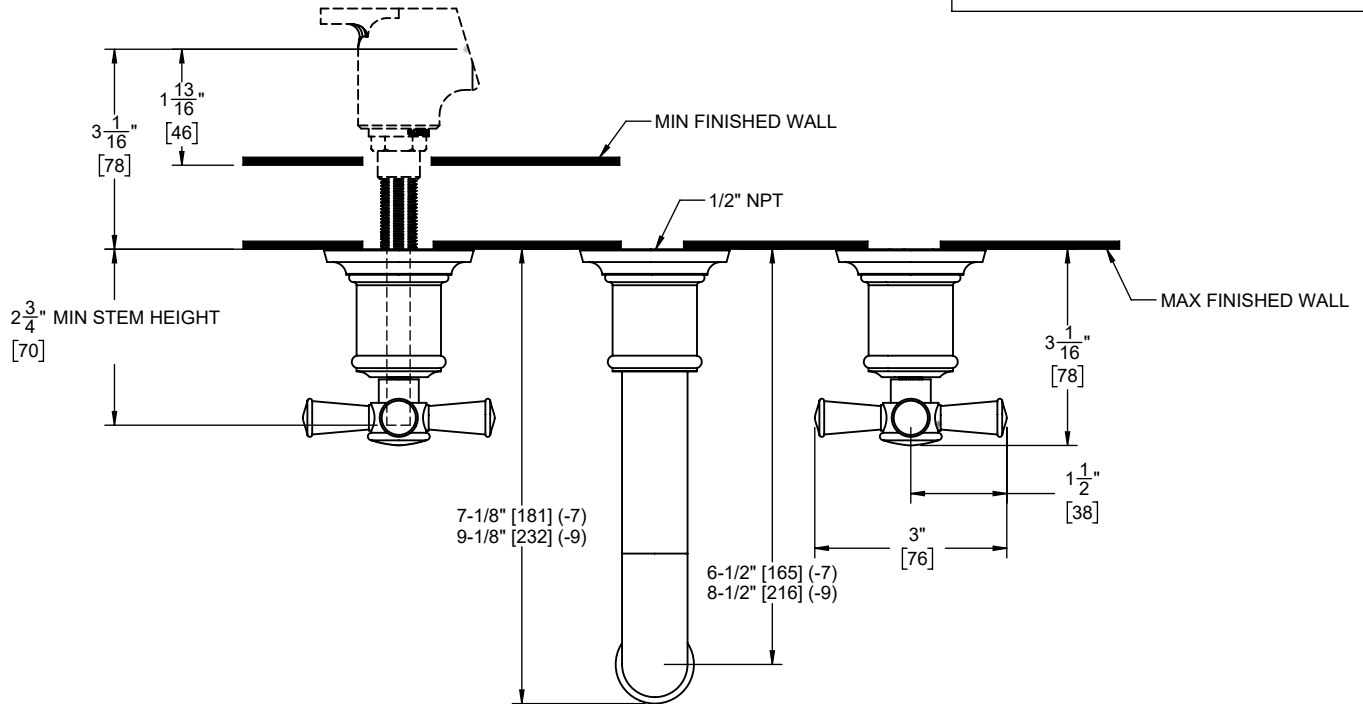
- ASME A112.18.1/CSA B125.1
- NSF/ANSI 61 & NSF/ANSI 372
- CEC & DOE
- Commonwealth of MA
- EPA WaterSense High Efficiency Lavatory



TO-V4802X-9 shown



THROUGH-HOLE SPECIFICATIONS		
MIN	RECOMMENDED	MAX
SPOUT: Ø 1" [25]	Ø 1-1/4" [32]	Ø 1-9/16" [40]
VALVE: Ø 1-1/4" [32]	Ø 1-1/4" [35]	Ø 1-9/16" [40]



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

DIMENSIONS SHOWN TO NEAREST 1/16"
[DIMENSIONS SHOWN TO NEAREST 1mm]



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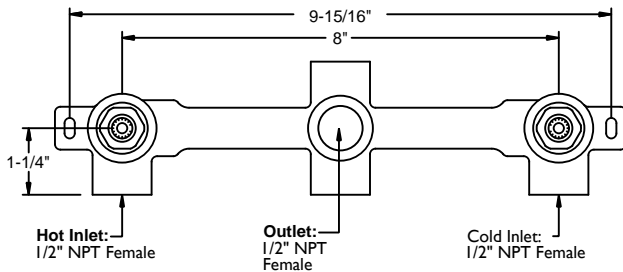
VESSEL LAVATORY

CF-VL-R

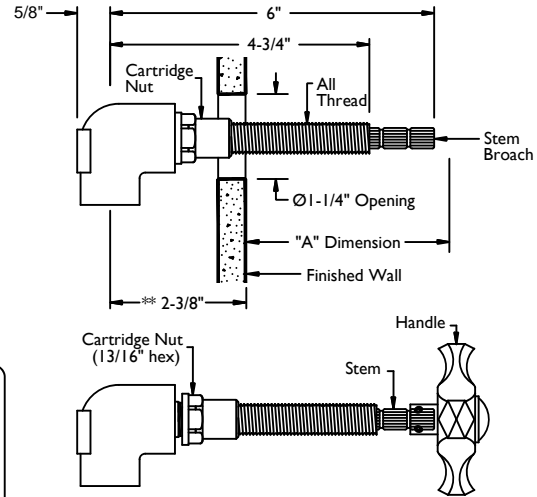
INSTALLATION INSTRUCTIONS

California Faucets reserves the right to make modification and specification changes at any time. Please visit www.calfaucets.com for most current technical data.

Front View



Side View



"A" DIMENSION

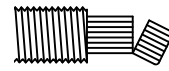
"A" Dimension is from finished wall to tip of stem broach

Handle Series #	"A"
33	2-3/8"
34	2-3/8"
35	2-3/8"
36	2-3/8"
38	2-5/8"
42	2-5/8"
45	2-1/8"
46	2-1/2"
47	2-1/2"
48	2-5/16"
50	2-1/4"
51	2-1/2"
55	2-5/8"
57	2"
60	2-1/4"
61	2-1/4"
62	1-7/16"
63	3"
64	2-5/8"
65	2-1/8"
66	2-1/8"
67	2-1/4"
68	2-3/8"
69	2-3/8"
70	1-3/8"
**71	1"
**72	1"
**73	1"

NOTE: In some cases, it may be necessary to re-align cartridge Stem to achieve desired handle alignment. To align stem, slightly loosen in a CCW direction the Cartridge Nut. Place Handle on Stem and **TIGHTEN** in a CW direction until desired alignment of handle is achieved. Retighten Cartridge Nut to factory torque setting of 14 ft-lbs. (Cartridge Nut size is 13/16" hex)
WARNING: Cartridge Nut **MUST** be properly torqued to prevent possible failure and/or water damage.

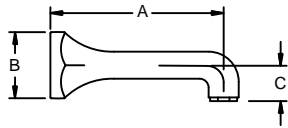
****NOTE:** For Series #71, 72 & 73 valve rough must be set back a minimum of 2-3/8" from finished wall surface to center of inlets.

NOTE: When fitting handle it may be necessary to shorten broach stem and/or all thread to eliminate gap between handle & escutcheon.



VS-47-7 & -9

For Series:
#46, 47, 51, 60 & 63

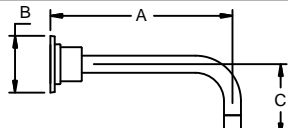


(Connecting nipple not supplied)

VS-47-7:	A=5-3/4"	B=2-3/4"	C=1-7/8"
VS-47-9:	A=8-1/2"	B=2-1/4"	C=1-5/16"

VS-62-7, -V7, -9 & -V9

For Series:
V6202-7/-V7
V6202-9/-V9

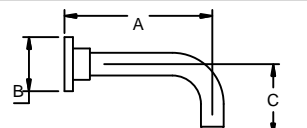


(Connecting nipple not supplied)

VS-62-7:	A=8"	B=2-1/2"	C=3-1/8"
VS-62-9:	A=10"	B=2-1/2"	C=3-1/8"

VS-65-7 & -9

For Series:
#45, 48, 65, 66 & V6202-27/-29

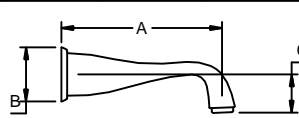


(Connecting nipple not supplied)

VS-65-7:	A=6-1/2"	B=2-3/8"	C=3-1/8"
VS-65-9:	A=8-1/2"	B=2-3/8"	C=3-1/8"

VS-64-7 & -9

For Series:
#38, 40, 42, 55, 57 & 64

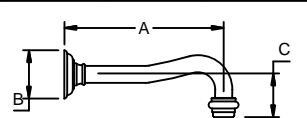


(Connecting nipple not supplied)

VS-64-7:	A=7-3/16"	B=2-3/8"	C=1-5/16"
VS-64-9:	A=8-3/8"	B=2-3/8"	C=1-5/16"

VS-67-7 & -9

For Series:
#33, 34, 35, 36, 51 & 67

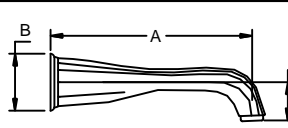


(Connecting nipple not supplied)

VS-67-7:	A=6-7/8"	B=2-1/8"	C=2"
VS-67-9:	A=10"	B=2-1/8"	C=2"

VS-68-9

For Series:
#50, 68 & 69

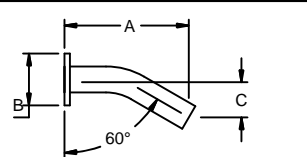


(Connecting nipple not supplied)

VS-68-9:	A=8-3/4"	B=2-3/8"	C=1-5/8"
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VS-71**

For Series:
#71

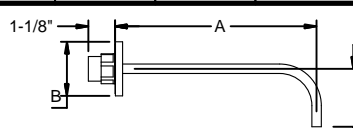


(Connecting nipple not supplied)

VS-71:	A=5"	B=2"	C=1-3/8"
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VS-72-6 & -9**

For Series:
#72

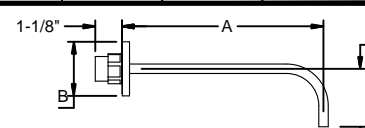


(Connecting nipple not supplied)

VS-72-7:	A=6-5/16"	B=2-1/4"	C=2-7/16"
VS-72-9:	A=8-5/16"	B=2-1/4"	C=2-7/16"

VS-73-6 & -9**

For Series:
#73



(Connecting nipple not supplied)

VS-73-7:	A=6-5/16"	B=2-1/4"	C=2-7/16"
VS-73-9:	A=8-5/16"	B=2-1/4"	C=2-7/16"

IMPORTANT CLEANING NOTICE Please refer to *Finish Care Instructions* for complete cleaning information. Wipe frequently with a soft, damp cloth. **Never use acids, harsh abrasives or detergents.**



California Faucets®

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*†

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

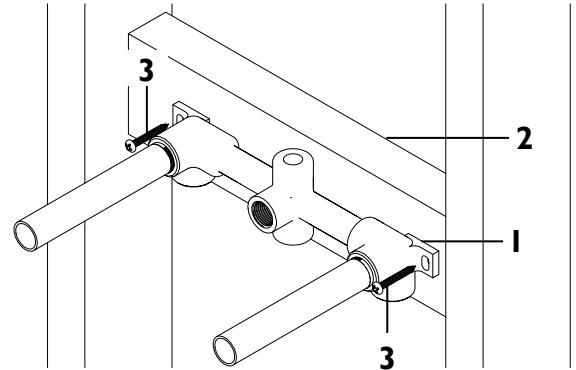
† If water pressure exceeds 70 psi, install a Pressure-Reducing Valve (PRV).

1 INSTALLING VALVE

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

IMPORTANT: Refer to table in page 2 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

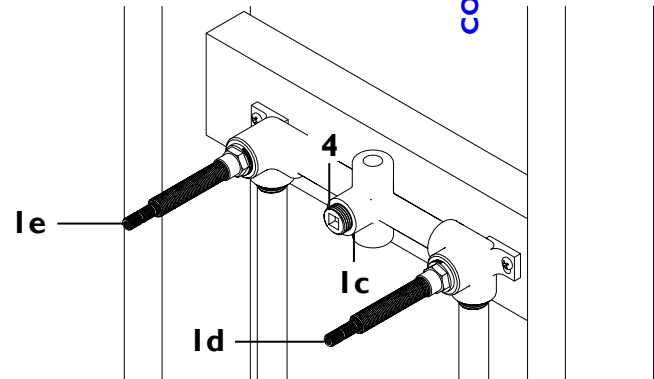
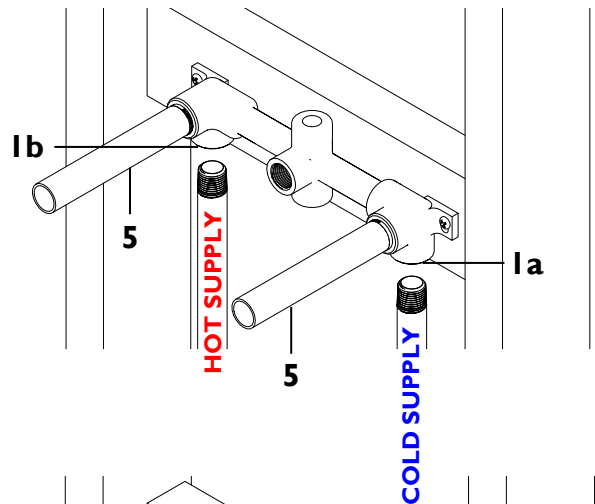
- Connect cold supply to COLD INLET (1a) and connect hot supply to HOT INLET (1b)

NOTE: Use thread sealant (not supplied) on all threaded connections

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 MUDGAURDS (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
- Give these instructions to consumer for safe keeping



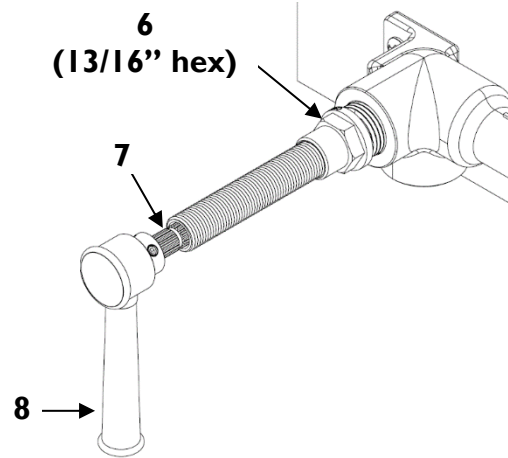
3

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 ft-lbs

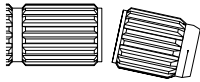
WARNING: Cartridge NUT (6) must be properly torqued to prevent possible failure and/or water damage.



4

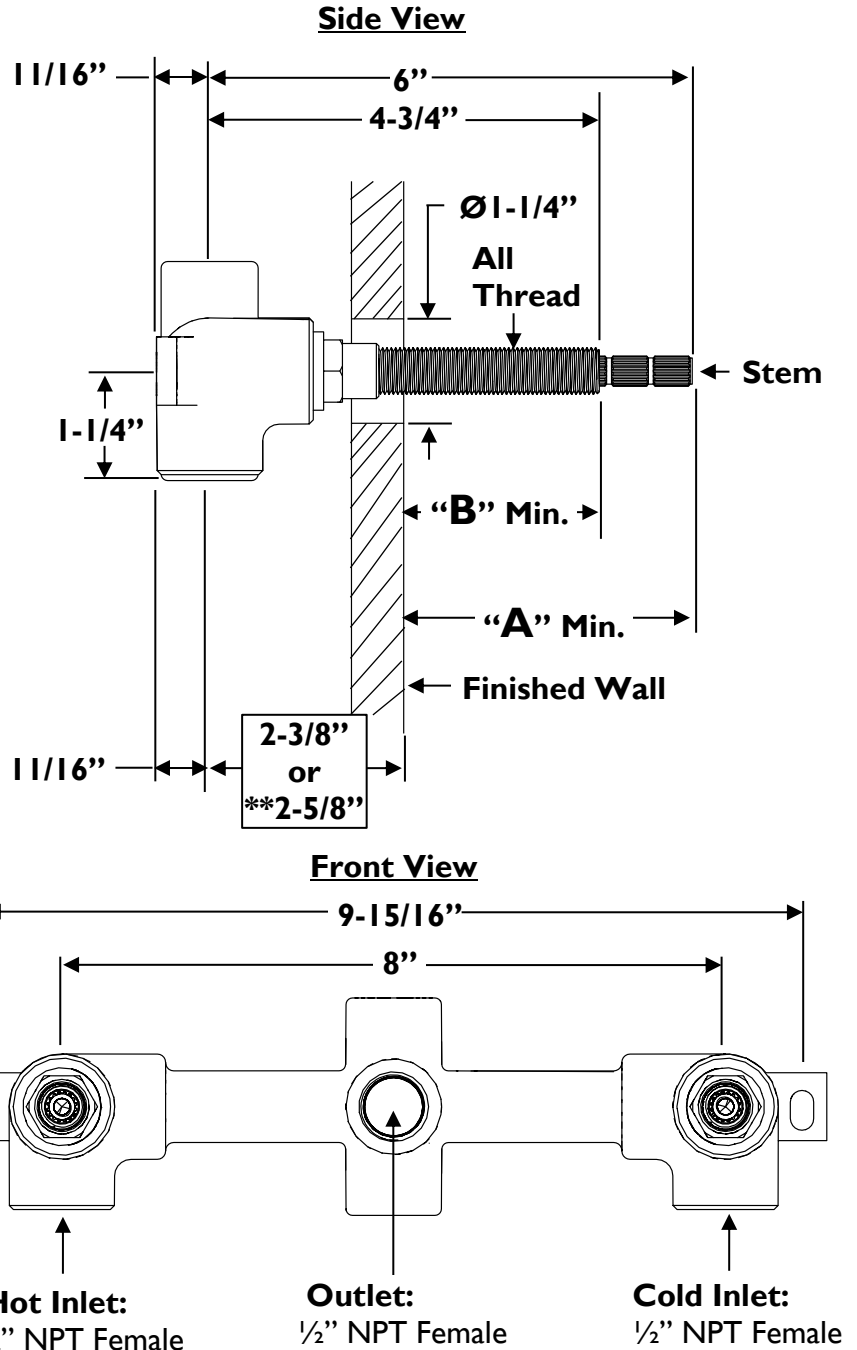
DIMENSIONS

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	"B" Minimum
30, 30X	1-3/4"	7/8"
33	2-1/2"	1-1/2"
34	2-7/16"	1-1/2"
35	2-1/2"	1-1/2"
**37, 37X	13/16"	5/16"
**38, 38X	13/16"	5/16"
39	1-3/16"	5/16"
45, 45X	2"	1-1/8"
46	2-5/16"	1-1/2"
47	2-5/16"	1-1/2"
48, 48X	2-3/8"	1-5/8"
52	1-3/8"	1-1/8"
53	1-3/8"	1-1/8"
55	2-5/16"	1-5/8"
60	2-1/4"	1-1/2"
61, 61X, 61XD	2-1/4"	1-1/2"
62	1-1/16"	1/4"
64	2-1/2"	1-3/4"
65	1-15/16"	1-1/4"
66	1-15/16"	1-1/4"
**70	1-3/8"	3/4"
**74	3/4"	0"
**77, 77R	1-5/16"	5/8"
**78, 78R	1-5/16"	5/8"
80, 80W	1-9/16"	7/8"
85, 85B, 85W	1-1/2"	3/4"
C1, C1X, C1XS	1-3/8"	5/8"
**C2, C2B	1-3/8"	3/8"
**E3	1-1/4"	1/4"
**E4	13/16"	1/4"
**E5	7/8"	1/4"



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