



## Rough In Valve Installation

### Recommended Installation by a Professional Plumbing Contractor

**Note:** Use plumbers tape or equivalent to seal all threaded joints. Plumb with 3/4" copper pipe is recommended.

**Warning:** To prevent severe damage to valve body, any solder/braze process must be performed a min. of 4" from ports.

1. Install the Spout quick connect DECK FLANGE (3) through appropriate hole of mounting surface. Secure with WASHER NUT (1A). **Note:** SPOUT NIPPLE (2) is installed in the DECK FLANGE (3) for safe keeping until the trim is to be installed.
2. Place lower WASHER NUT (1B) on VALVE BODY (12). Insert VALVE BODY (12), (blue cold & red hot), through hole from underside of deck.
3. Use upper WASHER NUT (1C) to adjust stem height from finished deck per **Table I**. Tighten lower WASHER NUT (1B) to secure VALVE BODY (12).
4. Remove UPPER FLANGE NUT (4) and install DIVERTER VALVE (10) from underside of deck. Reattach and bottom out UPPER FLANGE NUT (4) onto DIVERTER VALVE (10). **Note:** place UPPER FLANGE NUT (4) on finished deck surface. See **Figure 1a**.
5. Secure DIVERTER VALVE (10) to deck by tightening LOWER FLANGE NUT (11).
6. Trim DIVERTER STEM (13) to height shown in **Table I**. Cut ALL THREAD NIPPLE (14) 1/2" shorter than stem
7. Install HAND SHOWER DECK FLANGE (5) housing through hole on finished deck surface, install RUBBER (6) and STEEL WASHER (7) and secure with FLANGE NUT (8).
8. Place plastic HOSE GUIDE (9) onto lower portion of housing HAND SHOWER DECK FLANGE (5).
9. Feed BRAIDED HAND SHOWER HOSE (15) through deck flange and connect female thread hose into the hand shower outlet of DIVERTER VALVE (10) 1/2"-14 NPSM. See **Figure 2**.
10. Use tape or string to temporary tie the male thread end of the BRAIDED HAND SHOWER HOSE (15) to DIVERTER STEM (13) to prevent it from falling underneath the deck.
11. Attach hot/cold supply lines to appropriate VALVE BODY (12). See **Figure 2**.
12. Connect outlet from each VALVE BODY (12) to the two side inlets of the DIVERTER VALVE (10).
13. Connect 3/4" bottom outlet of DIVERTER VALVE (10) to tub spout fitting as shown in **Figure 2**.





