

# Recommended Installation by a Professional Plumbing Contractor

**NOTE:** Use Teflon tape or equivalent to seal all threaded port joints.

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

1. Valve supplied in 3-way mode; 2-way Washer supplied separately.

2. To change to 2-way mode, remove All-thread, Stem and Diverter Nut. See **Figure 1**. Otherwise proceed to step 4. Select the appropriate 2 or 3-way Washer and orientation for your application, per Diagram 2a, 2b or 2c, and place onto cartridge.

2a or 2b. 2-way is used for 2 end devices, a 1/2 NPT Cap (not included), is required on the unused "OUT" port. Connect end device lines to "OUT" ports 1 & 2 or 1 & 3.

Unused "OUT" port CAN NOT be used as shut off.

2c. 3-way is used for 3 end devices. Connect end device lines to "OUT" ports 1, 2 & 3.

3. Re-assemble Diverter Nut, Stem and All-thread.

4. Diverter is used with a mixed (hot & cold) input, (ie Balance Pressure or Thermo Valve), connect supply to "IN" port only.

5. Connect end devices to "OUT" ports

6. Install Handle trim and mark the All-thread nipple where excess needs to be trimmed.

**FIGURE 1**

