

POWERS™

A WATTS INDUSTRIES CO.

INSTALLATION INSTRUCTIONS

HydroGuard® T/P Series e480
Lavatory Combination Valve

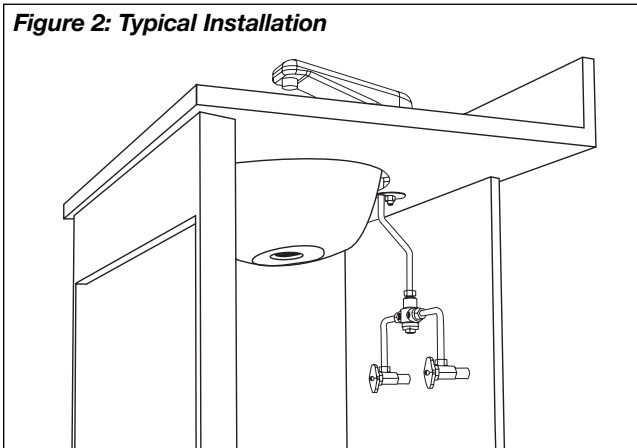
Form II e480 v1

TO INSTALL

Note: Installation should be in accordance with accepted plumbing practices. Flush all piping thoroughly before installation.

1. Locate a suitable place for the tempering valve. Valve should be accessible for service and adjustment, and as close to the point-of-use as possible.
2. Connect hot and cold water to the supply valve using 1/2" NPT or 3/8" compression connections.
3. Connect outlet of tempering valve to fixture(s) using 1/2" NPT or 3/8" compression connections.
4. Turn on hot and cold water supplies. If any leaks are observed, tighten connections as necessary to stop leaks before proceeding.
5. Turn on fixture and allow water to flow for 2 minutes. Measure water temperature at outlet. If water is not at desired temperature, adjust as necessary.

Figure 2: Typical Installation

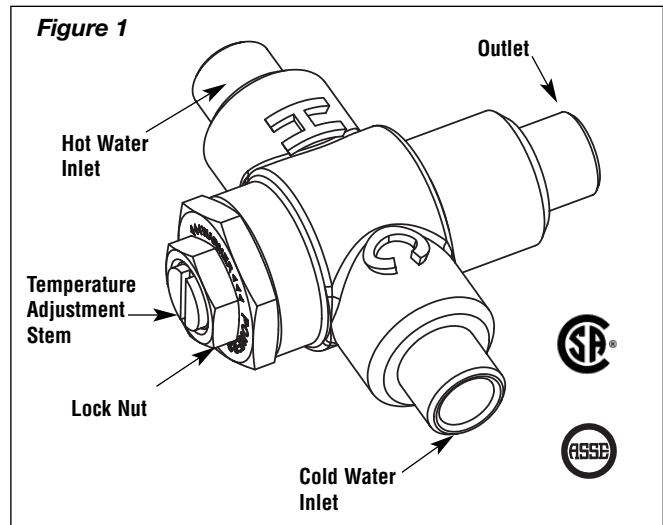


SPECIFICATIONS

Union Connections:

- e480-00 1/2" NPT (Rough Bronze)
- e480-01 1/2" NPT (Rough Chrome)
- e480-10 3/8" Compression (Rough Bronze)
- e480-11 3/8" Compression (Rough Chrome)
- Capacity:** 4.0 gpm (15.0 l/m)
- Approach Temperature:** 5°F (2.8°C) above set pt.
- Max. Operating Pressure:** 125 psi (862 kpa)
- Max. Static Pressure:** 125 psi (862 kpa)
- Max. Hot Water Temperature:** 212°F (100°C)
- Temp. Adjustment Range:**
- ASSE Type T/P: 95–110°F (43–48°C)
- ASSE Type T: 80–120°F (27–49°C)

Figure 1



- Minimum Flow:** 0.5 gpm (2.2 l/m)
- Checks:** Integral
- Construction:** Cast Brass Body
- Certified:** CSA B125
- Listing:** ASSE 1016 Type T/P

TO ADJUST TEMPERATURE

1. Loosen locknut.
2. Turn on fixture and run water for at least two (2) minutes to allow supply temperature to stabilize.
3. Turn temperature stem counter-clockwise for hotter or clockwise for colder outlet temperature.
4. Tighten locknut to prevent accidental or unauthorized temperature adjustment.
5. Re-check outlet temperature.

REPAIR KIT

- Motor Repair Kit** 480-270

CALIFORNIA PROPOSITION 65 WARNING

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)
For more information: www.wattsind.com/prop65

POWERS™
A WATTS INDUSTRIES CO.

© 2003 Powers, a Watts Industries Co.
USA Phone: 1.800.669.5430 • Fax 1.847.824.0627
Canada Phone: 1.888.208.8927 • Fax 1.888.882.1979
www.powerscontrols.com