

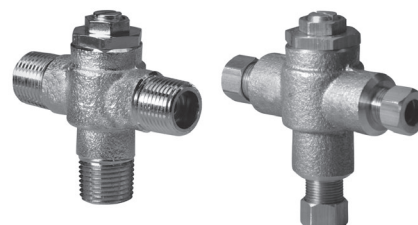
**Series e480 Lavatory Combination  
Tempering Valves for Low Flow Control**

## Product Specification

### Features ■

HydroGuard® T/P Series e480 Under-the-Counter Combination Tempering Valves are designed for lavatory applications where the temperature of hot water must be controlled for safe, economic use.

- Temperature control to ASSE 1016-1996 and 1070, down to 0.5 gpm.
- Advanced thermal actuator improves performance.
- Adjustable temperature selection with locknut to prevent tampering.
- Solid brass construction enhances durability.
- Corrosion resistant internal components for extended life.
- Integral checks with screens prevents crossflow.
- Factory set at 105°F (40.6°C).



Advanced Thermal Activation

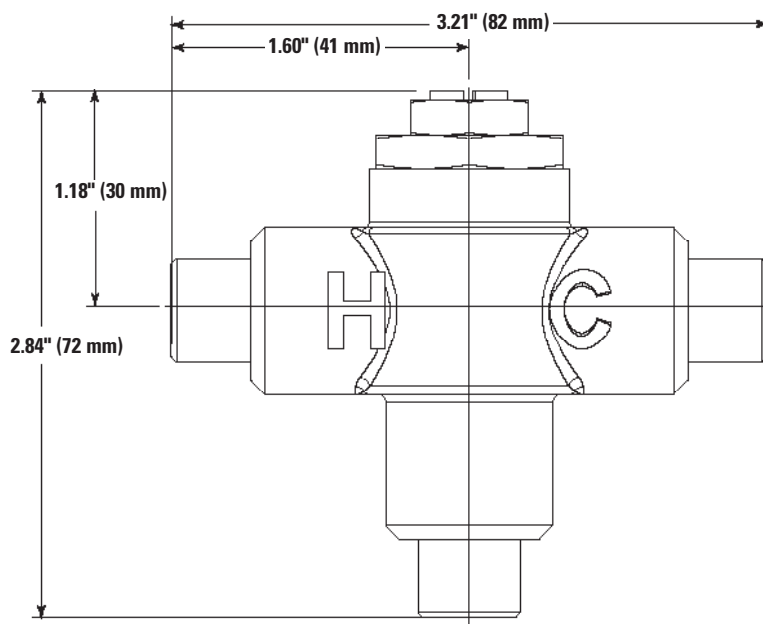
### Specifications ■

Connections	See ordering code
Capacity @ 45psi	4 gpm (15 lpm)
Approach Temperature	5°F (2.8°C) above set point
Maximum Operating Pressure	125psi (862 kPa)
Maximum Static Pressure	125psi (862 kPa)
Maximum Hot Water Temperature	180°F (82°C)
Temperature Adjustment	ASSE Type T/P: 95 – 110°F (35 – 48°C) ASSE Type T: 80 – 120°F (27 – 49°C)
Minimum Flow	0.5 gpm (2.2 lpm)
Checks	Integral with screens
Construction	Cast Brass Body
Approval	CSA B125 Certified
Listing	ASSE 1016 - 1996 ASSE 1070

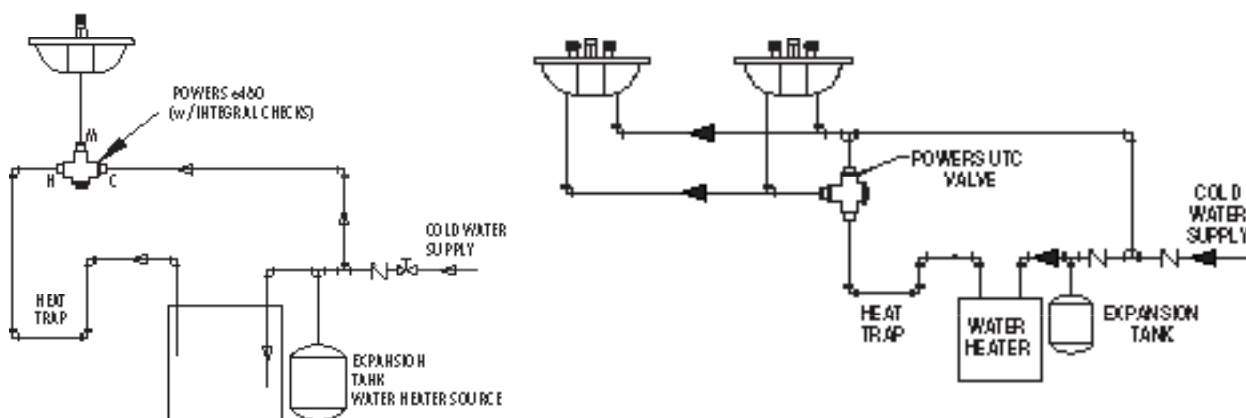
### Capacity ■

Flow Capacity at 50-50 Mixed Ratio							
Pressure Drop Across Valve							
Model	C <sub>v</sub>	5psi (34 kPa)	10psi (69 kPa)	20psi (138 kPa)	30psi (207 kPa)	45psi (310 kPa)	60psi (414 kPa)
e480	0.60	1.3 gpm 5 lpm	1.9 gpm 7 lpm	2.7 gpm 10 lpm	3.3 gpm 13 lpm	4.0 gpm 15 lpm	4.6 gpm 17 lpm

## Dimensions ■



## Piping Diagram ■



## Ordering Code ■

e480 -

### Order Code

1/2" NPT Rough Bronze Finish	00
1/2" NPT Rough Chrome Finish	01
3/8" Compression Rough Bronze Finish	10
3/8" Compression Rough Chrome Finish	11

## Typical Specification ■

Combination tempering valve shall be ASSE 1016-1996 and 1070 listed and CSA B125 certified. All internal components shall be from corrosion resistant material. The valve must control each performance standard down to 0.5 gpm (2.2 lpm).

Capacity of the valve must be 4 gpm (15 lpm) @ 45psi differential and be constructed of solid brass. Control temperature must be adjustable between 80 and 120°F (32-43°C) with a locking nut to prevent unauthorized or accidental adjustment. The valve shall contain integral checks to prevent crossflow and inlet screens to filter debris. The valve shall be a Powers Model e480 series.

### ENGINEERING APPROVAL

Project: \_\_\_\_\_  
 Contractor: \_\_\_\_\_  
 Architect/Engineer: \_\_\_\_\_

# POWERS™

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