**Valve Construction:** Combination mixing valve, with heavy cast bronze body and brass stem. Concealed adjustable high temperature limit stop. Available with ADA-compliant ABS or metal lever handle.

**Connections:**
- 1/2" Sweat Inlet/Outlet

**Capacity:**
- 4 gpm @ 45 psi ∆P 50/50 mix

**Maximum Hot Water Supply Temperature:** 190°F (88°C)

**Minimum Hot Water Supply Temperature (Approach Temperature):** 5°F (2.8°C) above set point

**Maximum Operating Pressure:** 125 psig (862 kPa)

**Temperature Ranges:**
- ASSE 1016 Type T/P - 90 - 110°F (32 - 43°C)
- ASSE 1016 Type T - 80 - 120°F (27 - 49°C)

**High Temperature Limit Stop:** Adjustable (factory set at 110°F [43°C])

**Minimum Flow:** 0.5 gpm (3.781 L/min)

**Approval:**
- CSA B125
- ASSE 1016

**Shipping Weight:** 3.5 lbs. (1.6 kg)

All HydroGuard T/P Series e700 combination mixing valves meet above performance specifications based on typical operating conditions as stated in ASSE 1016 (45 psi pressure differential, hot water supply between 140°-180°F (60°-82°C), cold water supply less than 70°F (21°C)).

If your operating conditions vary from those stated in the standard, performance may vary as well. Consult your local sales representative or a Powers factory engineer to discuss your specific application. All Powers thermostatic mixing valves perform to the requirements of standards ASSE 1016 and CSA B125.
### HOW TO SPECIFY e700 VALVES FOR SHOWER AND TUB/SHOWER SYSTEMS

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Wt.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>e705</td>
<td>3.5</td>
<td>ABS Trim</td>
</tr>
<tr>
<td>e710</td>
<td>3.5</td>
<td>Metal Trim</td>
</tr>
</tbody>
</table>

#### Showerheads

- **Economizer, Chrome-Plated ABS, Adjustable**
  - Wt.: 0.5
  - Code: J

- **Standard, Chrome-Plated Brass**
  - Wt.: 0.9
  - Code: K

- **Deluxe, Chrome-Plated Brass**
  - Wt.: 1.3
  - Code: M

#### Arm and Flange Kits

- **Standard Arm and Flange**
  - Wt.: 0.3
  - Code: 1

- **Deluxe Arm and Flange**
  - Wt.: 0.4
  - Code: 2

#### Tub Spouts

- **Diverter, Chrome-Plated Brass, 3/4" IPS**
  - Wt.: 1.2
  - Code: Q

- **Non-Diverter, Chrome-Plated, 1/2" IPS**
  - Wt.: 0.4
  - Code: R

- **Diverter, Chrome-Plated, 1/2" IPS**
  - Wt.: 0.7
  - Code: S

- **Diverter, Chrome-Plated Brass, 1/2" IPS**
  - Wt.: 1.3
  - Code: T

- **Diverter, Chrome-Plated, 1/2" Slipfit**
  - Wt.: 1.0
  - Code: U

#### Hand Shower Systems

- **24" Chrome ADA Wall Grab Bar System**
  - Wt.: 4.7
  - Code: 1

- **36" Chrome ADA Wall Grab Bar System**
  - Wt.: 5.5
  - Code: 2

- **Deluxe, Metal Hose, 30" Slide Bar**
  - Wt.: 3.5
  - Code: 3

- **Professional, Vinyl Hose, 30" Slide Bar**
  - Wt.: 2.7
  - Code: 4

- **Standard, Metal Hose, Two Wall Hooks**
  - Wt.: 2.0
  - Code: 5

- **Deluxe, Metal Hose, 24" Slide Bar**
  - Wt.: 3.1
  - Code: 6

- **Professional, Vinyl Hose, 24" Slide Bar**
  - Wt.: 2.3
  - Code: 7

- **Standard Plus, Metal Hose, 24" Slide Bar**
  - Wt.: 3.0
  - Code: 8

- **European, Metal Hose, 23" Slide Bar**
  - Wt.: 2.0
  - Code: 9

#### Diversers

- **Concealed Diverting Valve, 1/2" IPS**
  - Wt.: 3.0
  - Code: Y

- **Exposed Diverter, Shower Arm-Type, Chrome-Plated**
  - Wt.: 0.5
  - Code: Z

#### Vacuum Breakers

- **Vacuum Breaker, Elevated, Chrome-Plated**
  - Wt.: 2.0
  - Code: V

- **Vacuum Breaker, In-Line**
  - Wt.: 1.0
  - Code: W

#### Typical Specifications:

Valve shall meet the performance requirements of ASSE 1016, Type T/P compensating for 50% fluctuation in supply line pressure, and compensate for increases in hot water supply temperature. Valve shall be capable of supplying mixed water temperature within 5°F of hot water supply temperature. Valve shall contain a powerful, paraffin-based thermal actuator and feature a self-contained cartridge design for ease of repair and maintenance.

Water tempering valve shall not be subject to failure due to the lime buildup or dirt particles. Construction shall be conducive to long lasting, trouble free life, and shall not have close fitting, sliding parts, which through wear or binding, may impair operation.

Valve shall have all cast bronze housing and a capacity of 4 gpm at 45 psig. Valve shall include an adjustable limit stop, factory set at 110°F. Valve shall always open through cold water to maximize bather safety.

Valve shall be Powers # e7xx. Any alternates must have written approval prior to bidding.

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**ENGINEERING APPROVAL**

<table>
<thead>
<tr>
<th>Project:</th>
</tr>
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<tbody>
<tr>
<td>Contractor:</td>
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<tr>
<td>Architect/Engineer:</td>
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