

**For Non-Health Hazard Applications**

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

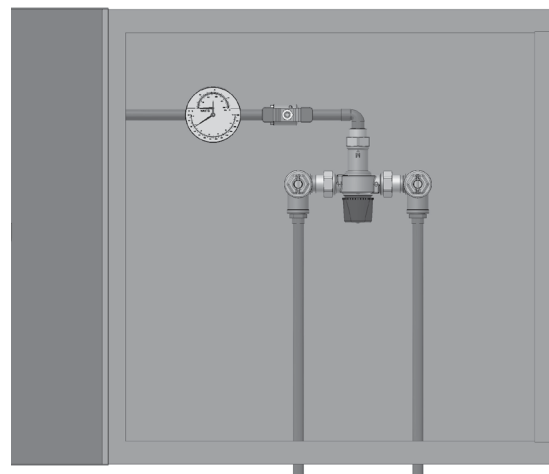
Approval \_\_\_\_\_

Representative \_\_\_\_\_

**LEAD FREE\***

**HydroGuard® Master  
Tempering Valve Supply  
Fixture**

**Series LM490 Bottom Inlets/Side Outlet  
— Semi-Recessed Cabinet**



Advanced Thermal Activation

**Features**

- Paraffin-based advanced thermal actuation technology to sense and adjust outlet temperature
- Dirt and lime resistant poppet and seat design
- Virtual shutoff if supply pressure fails
- Stainless steel or white painted cabinets
- Factory tested valve and piping
- Triple-duty checkstops with filters, dial-thermometer, ball valve
- Rough bronze and chrome finishes

**Specifications**

Connections . . . . . 1/2" (15mm) inlets and outlet  
 Maximum Hot Water Supply Temperature . . . . . 200°F (93°C)  
 Minimum Hot Water Supply Temperature . . . . . 5°F (3°C) above set point  
 Minimum Flow\* . . . . . 0.5 gpm (1.9 lpm)  
 Maximum Operating Pressure . . . . . 150 psi (1034 kPa)  
 Temperature Adjustment Range . . . . . 90 – 160°F (32 – 71°C)  
 Listing/Compliance (Valve Only) . . . . . ASSE 1017, IAPMO UPC and CSA B125

\* When tested in accordance with ASSE 1017.

**Capacity**

Flow Capacity at 50-50 Mixed Ratio							
Pressure Differential							
Valve	Cv	5 psi (35 kPa)	10 psi (69 kPa)	20 psi (138 kPa)	30 psi (207 kPa)	45 psi (310 kPa)	60 psi (414 kPa)
LM490	3.42	7.6 gpm (29 lpm)	11.0 gpm (42 lpm)	15.0 gpm (57 lpm)	19.0 gpm (72 lpm)	23.0 gpm (87 lpm)	27.0 gpm (102 lpm)

Powers product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Powers Technical Service. Powers reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Powers products previously or subsequently sold.

