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 LFLM490 Bottom Inlets/Bottom **Outlet – Exposed**

Features

- · Features Lead Free* construction to comply with Lead Free* installation requirements.
- · 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
- 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, CSA B125		

* The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight. ** When tested in accordance with ASSE 1017

Capacity

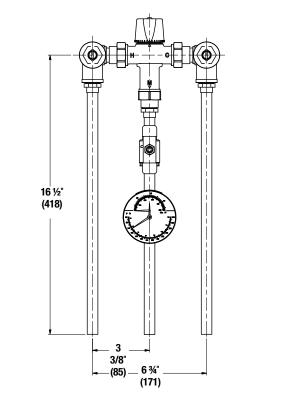
Flow Capacity at 50-50 Mixed Ratio								
	Pressure Differential							
Valve	Cv	5 psi	10 psi	20 psi	30 psi	45 psi	60 psi	
		(35 kPa)	(69 kPa)	(138 kPa)	(207 kPa)	(310 kPa)	(414 kPa)	
LFLM490	0.40	7.6 gpm	11.0 gpm	15.0 gpm	19.0 gpm	23.0 gpm	27.0 gpm	
	3.42	(29 lpm)	(42 lpm)	(57 lpm)	(72 lpm)	(87 lpm)	(102 lpm)	

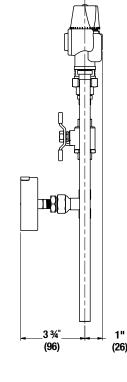
Powers product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Powers Technical Service. Powers reserves the right to change or modify product design, construction, specifications, or materials without prior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





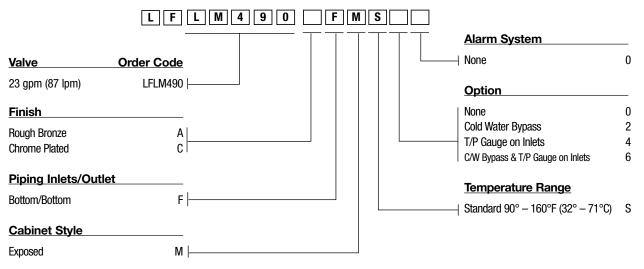
Dimensions





Note: Dimensions are shown ±½" Dimensions in parentheses are in mm

Ordering Information



Typical Specification

Supply Fixture shall be factory assembled and tested and feature a HydroGuard[®] LFLM490 Series Master-Tempering Valve with advanced, paraffin-based actuation technology. The valves shall be constructed using Lead Free* brass. Lead Free* brass valves shall comply with state codes and standards, where applicable, requiring reduced lead content. Supply Fixture shall also include copper piping, ball valve(s) and temperature/pressure gauge for diagnostics. The tempering valve shall have union checkstops, an outlet temperature range of 90 – 160°F (32 – 71°C) (with lockable means), and an approach temperature of 5°F (3°C). Valve shall be ASSE 1017 listed and CSA certified. Minimum flow to ASSE 1017 shall be 0.5 gpm (1.9 lpm).

Valve shall be a Powers model ______. All alternatives must have written approval prior to bidding.



USA: Tel: (800) 669-5430 • Fax: (847) 229-0526 • PowersControls.com Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • PowersControls.ca Latin America: Tel: (52) 81-1001-8600 • PowersControls.com