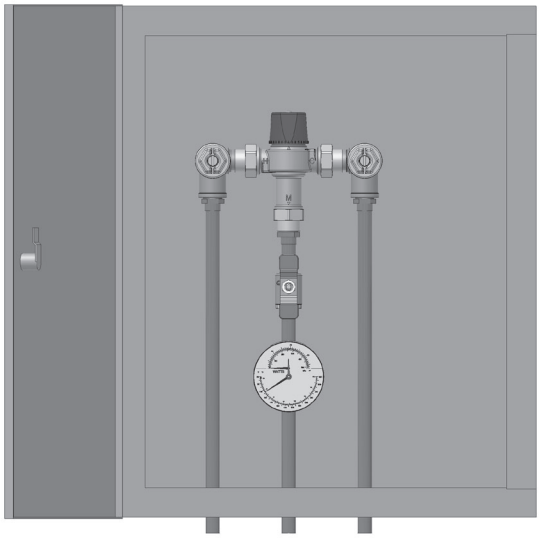
HYDROGUARD® Master Tempering Valve Supply Fixture
Series LFLM490 Bottom Inlets/Bottom Outlet – Semi-Recessed Cabinet

Product Specification

LEAD FREE*



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
- 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

Advanced Thermal Activation

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 ..... 150psi (1034 kPa)

Temperature Adjustment Range ..... 90 – 160°F (32 – 71°C)

Listing/Compliance (Valve Only)..... ASSE 1017, CSA B125

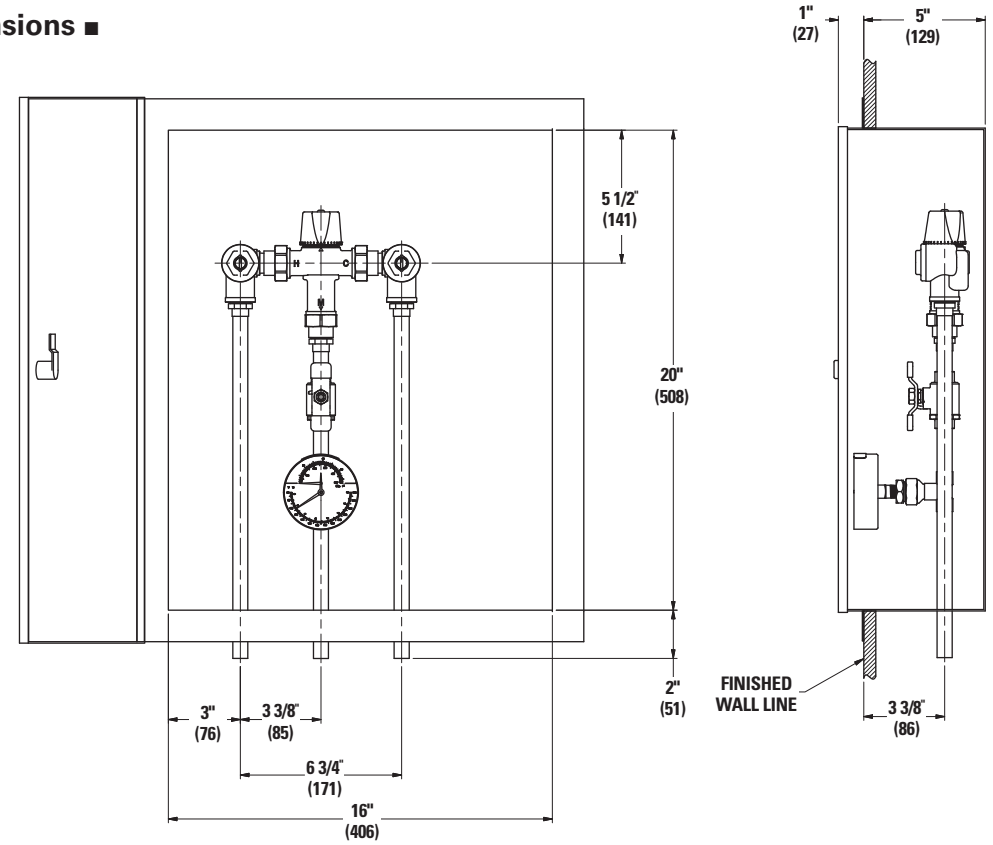
** The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.*

*** When tested in accordance with ASSE 1017*

Capacity ■

Flow Capacity at 50-50 Mixed Ratio							
		Pressure Differential					
Valve	**C_V**	**5psi (35 kPa)**	**10psi (69 kPa)**	**20psi (138 kPa)**	**30psi (207 kPa)**	**45psi (310 kPa)**	**60psi (414 kPa)**
LFLM490	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)

Dimensions ■



Note:
Dimensions are shown ±1/2''
Dimensions in parentheses are in mm

Ordering Information ■

L	F	L	M	4	9	0		F		S			

Valve — **Order Code**
23 gpm (87 lpm) — LFLM490

Finish
Rough Bronze — A
Chrome Plated — C

Piping Inlets/Outlet
Bottom/Bottom — F

Cabinet Style
Stainless steel, Semi-Recessed — P
Painted, Semi-Recessed — T

View Port — **Order Code**
None — 0
Window — W

Alarm System
None — 0

Option
None — 0
Cold Water Bypass — 2
T/P Gauge on Inlets — 4
C/W Bypass & T/P Gauge on Inlets — 6

Temperature Range
Standard 90° - 160°F (32° - 71°C) — S

Typical Specification ■

Cabinet Supply Fixture (CSF) shall be factory assembled and tested and include a stainless steel or painted steel cabinet. CSF shall 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. CSF 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.

ENGINEERING APPROVAL

Project: _____
Contractor: _____
Architect/Engineer: _____

POWERS™

A Watts Water Technologies Company

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