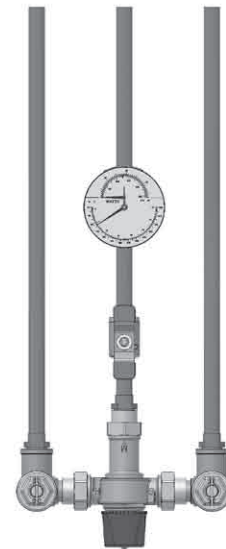


Product Specification

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
- Factory tested valve and piping
- Triple-duty checkstops with filters, dial-thermometer, ball valve
- Rough bronze and chrome finishes



Advanced Thermal Activation

Specifications ■

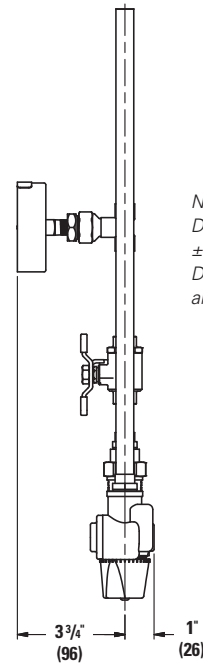
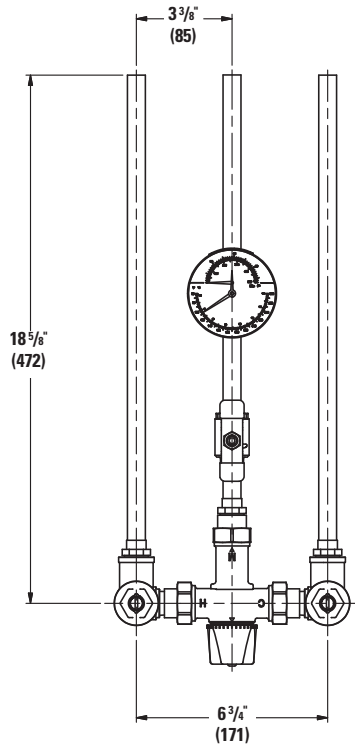
- Connections 1/2" (15mm) inlets and outlet
- Maximum Hot Water Supply Temperature 200°F (93°C)
- Minimum Hot Water Supply Temperature 5°F (3°C) above set point
- Minimum Flow* 0.5 gpm (1.9 lpm)
- Maximum Operating Pressure 150psi (1034 kPa)
- Temperature Adjustment Range 90 – 160°F (32 – 71°C)
- Listing/Compliance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

* 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)
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)

Dimensions ■



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

Ordering Information ■

L M 4 9 0 **D M S**

Valve

23 gpm (87 lpm)

Order Code

LM490

Finish

Rough Bronze
Chrome Plated

A
C

Piping Inlets/Outlet

Top/Top

D

Cabinet Style

Exposed

M

Alarm System

None 0
AquaSentry® 2 Alarm System 4

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 ■

Supply Fixture shall be factory assembled and tested and feature a HydroGuard® LM490 Series Master-Tempering Valve with advanced, paraffin-based actuation technology. Supply Fixture shall also include copper piping, ball valve(s) and temperature/pressure gauge for diagnostics. The tempering valve shall have union check stops, 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, IAPMO UPC 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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CERTIFIED**

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