For Non-Health Hazard Applications

Job Name _____ Contractor _____

Job Location _____ Approval _____

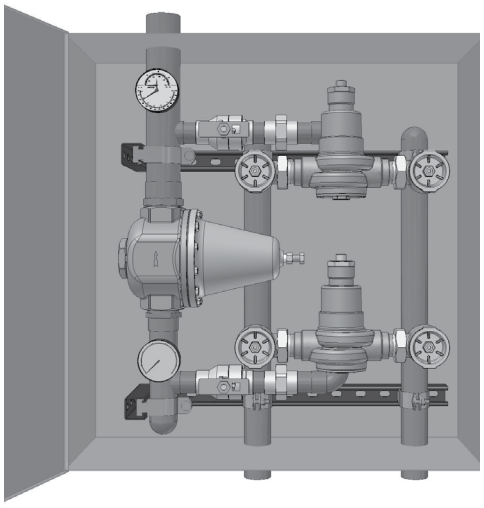
Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

LEAD FREE*

HydroGuard® XP Series LFSH1430 2 Valve Hi/Lo

Supply Fixture Recessed Cabinet



Advanced Thermal Activation

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
- Vandal-resistant locking mechanism to secure temperature setting
- Factory tested as a complete unit
- Pressure/Temperature Gauge, Ball valves
- Stainless steel or white painted cabinet

Specifications

Connections	See chart on reverse
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	125 psi (861 kPa)
Temperature Adjustment Range****	90 – 160°F (32 – 71°C)
Hot Water Inlet Temperature Range	120 – 180°F (49 – 82°C)
Cold Water Inlet Temperature Range	40 – 80°F (4 – 27°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.*

*** With Equal Pressure*

**** Minimum flow when Hi/Lo valve is installed at or near hot water source recirculating tempered water with a properly sized continuously operating recirculating pump.*

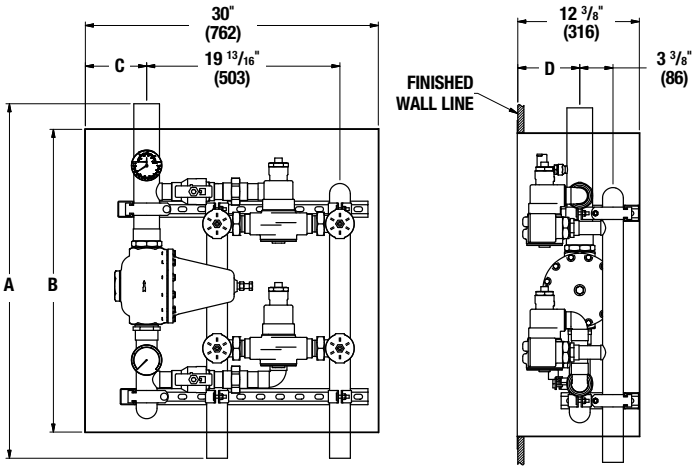
***** Note: Low limit cannot be less than the cold water temperature. For best operation, hot water should be at least 5°F (3°C) above desired set point.*

Capacity

Flow Capacity at 50-50 Mixed Ratio								
			Pressure Drop Across Valve					
Model	Min. Flow to ASSE 1017	Cv	5 psi (34 kPa)	10 psi (69 kPa)	20 psi (138 kPa)	30 psi (207 kPa)	45 psi (310 kPa)	60 psi (414 kPa)
LFSH1432HL	1 gpm 4 lpm	30.0	67 gpm 254 lpm	95 gpm 360 lpm	134 gpm 507 lpm	164 gpm 621 lpm	201 gpm 761 lpm	232 gpm 878 lpm
LFSH1434HL	1 gpm 4 lpm	40.4	90 gpm 341 lpm	128 gpm 485 lpm	181 gpm 685 lpm	221 gpm 837 lpm	271 gpm 1026 lpm	313 gpm 1185 lpm

POWERS™
A WATTS Brand

Dimensions



Valve	Inlets	Outlet	PRV	A	B	C	D
LFSH1432HL	1-1/2 (40)	2 (50)	1-1/2 (40)	35-1/4 (685)	30 (762)	5-1/8 (130)	6-5/8 (168)
LFSH1434HL	2 (50)	2-1/2 (65)	2 (50)	36-3/8 (924)	31 (787)	6-1/4 (159)	6-1/2 (165)

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

Ordering Information

Valve	Inlets (in)	Outlet (in)	Order Code
LFMM434/LFSH1432	1-½" (40mm)	2" (50mm)	LFSH1432HL
LFMM434/LFSH1434	2" (50mm)	2-½" (65mm)	LFSH1434HL

Finish

Rough Bronze	A

Piping

Bottom/Top	E

Cabinets

Stainless, Recessed	N
Painted, Recessed	R

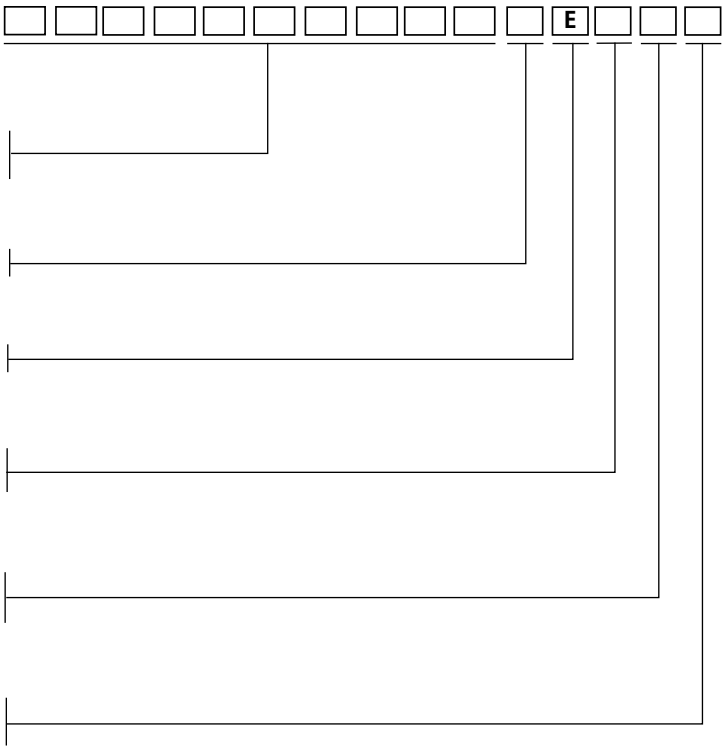
Alarm+

None	0
Aqua Sentry®2 for LFSH1432HL	7

View Port

None	0
Window	W

+Not available with LFSH1434HL



Recirculation Piping Diagram

Please see Piping Diagram Section of this catalog.

Typical Specification

Hi/Lo water temperature control system shall be factory assembled and tested and include a stainless steel or painted steel cabinet. It shall include two thermostatic mixing valves capable of maintaining water temperature to 5°F (3°C) above set point. Hi/Lo shall include HydroGuard® XP LFMM430 and LFSH1430 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. Hi/Lo 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 a single-seat design for positive shutoff. Valve shall be ASSE 1017 listed and CSA certified. Minimum flows to ASSE 1017 shall be 1.0 gpm (4 lpm) for LFSH1432HL and LFSH1434HL. Valve shall be a Powers' model _____. All alternatives must have written approval prior to bidding.

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Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • PowersControls.ca
Latin America: Tel: (52) 81-1001-8600 • PowersControls.com