Job Name _____ Contractor _____

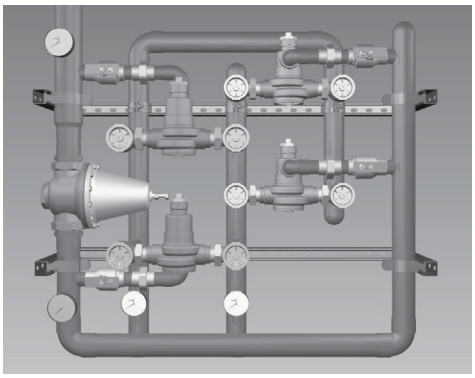
Job Location _____ Approval _____

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

Approval _____ Representative _____

LEAD FREE*

HydroGuard® XP
LFSH1434 Quad Valve
Supply Fixture Exposed



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
- Mounted on heavy-duty welded struts
- Pressure/Temperature Gauges, Ball valves

Specifications

Connections	See ordering information
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)
LFSH1434QV	1 gpm 4 lpm	83.3	186 gpm 704 lpm	263 gpm 996 lpm	373 gpm 1412 lpm	456 gpm 1726 lpm	559 gpm 2116 lpm	645 gpm 2442 lpm

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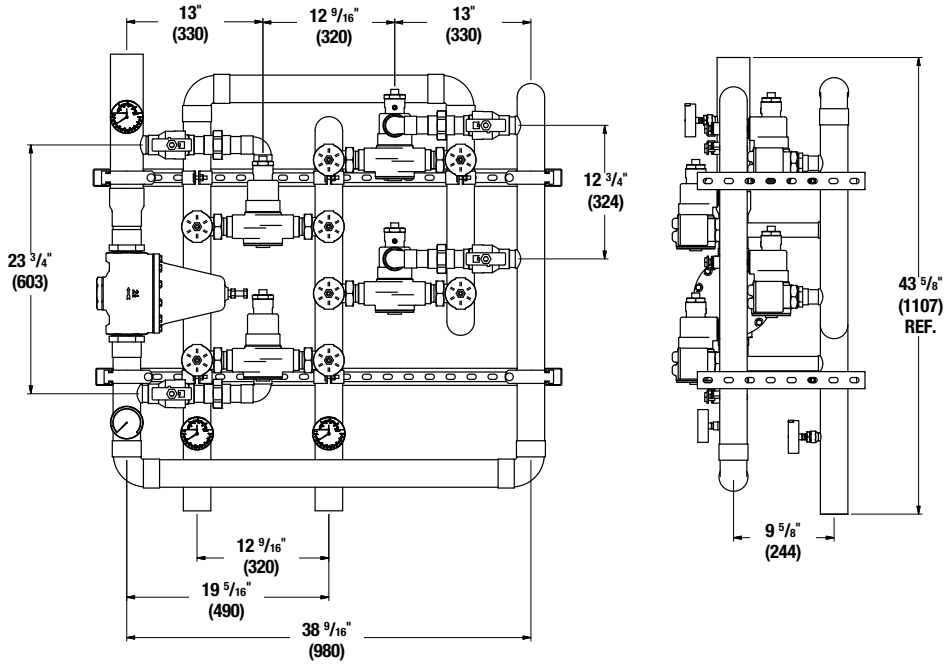
Dimensions



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

Ordering Information

L	F	S	H	1	4	3	4	Q	V	A	E	M	0

Valve	Inlets	Outlet	Order Code
Quad Valve	2-½" (65mm)	3" (80mm)	QV
Finish			
Rough Bronze			A
Piping			
Bottom/Top			E
Cabinets			
Exposed, No Cabinet			M
Alarm			
None			0

Recirculation Piping Diagram

Please see Piping Diagram Section of this catalog.

Typical Specification

Quad Valve Hi/Lo Temperature Control System should include four thermostatic valves capable of maintaining water temperature to within the range of 90 – 160°F (32 – 71°C). Valves must compensate for fluctuations due to inlet water temperature changes. The valves shall be constructed using Lead Free* brass. Valves shall comply with state codes and standards, where applicable, requiring reduced lead content. Valves have triple-duty checkstops and must have advanced, paraffin-based thermal actuation technology in order to guarantee a precise control when tested in accordance with ASSE 1017 and CSA B125. Thermostatic valves must be ASSE listed and CSA approved. Quad-valve Hi/Lo system must include PRV, ball valves, pressure/temperature gauges and mounted on heavy-duty metal struts.

The Hi/Lo system shall be of Powers' LFSH1434QV. Any alternate must have a written approval prior to bidding.

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Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • PowersControls.ca
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