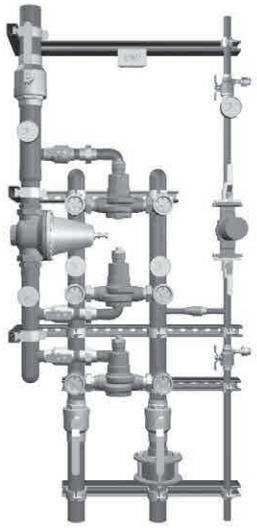
Triple Valve PowerStation™
Capacity up to 416 gpm

Product Specification



Advanced Thermal Activation

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
- Vandal-resistant locking mechanism to secure temperature setting
- Mounted on a heavy-duty, welded struts and factory tested as a complete unit
- Includes Pressure/Temperature Gauges and Ball valves

Specifications ■

Connections ..... See Ordering Information

Maximum Operating Pressure ..... 125psi (861 kPa)

Maximum Hot Water Temperature..... 200°F (93°C)

Minimum Hot Water Supply Temperature** .. 5°F (3°C) above set point

Hot Water Inlet Temperature Range ..... 120 - 180°F (49 - 82°C)

Cold Water Inlet Temperature Range ..... 40 - 80°F (4 - 27°C)

Minimum Flow*** ..... 0.5 gpm (1.89 lpm)

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

Listing/Compliance (Valves 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 TVPS is installed at or near hot water source recirculating tempered water with a properly sized continuously operating recirculating pump.*

NOTICE

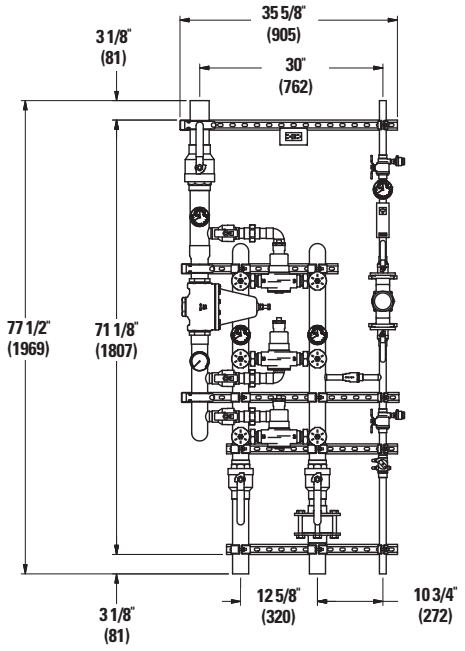
***** Low limit cannot be less than the cold water temperature. For best operation, hot water should be at least 5°F (3°C) above desired set point.*

Capacity ■

Flow Capacity at 50-50 Mixed Ratio								
			Pressure Drop Across Valve					
Model	Min. Flow to ASSE 1017	C_V	5psi (34 kPa)	10psi (69 kPa)	20psi (138 kPa)	30psi (207 kPa)	45psi (310 kPa)	60psi (414 kPa)
LFSH1434TV	1 gpm 4 lpm	62.00	139 gpm 526 lpm	196 gpm 742 lpm	277 gpm 1049 lpm	340 gpm 1287 lpm	416 gpm 1575 lpm	480 gpm 1817 lpm

Dimensions ■

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



Ordering Information ■

L F P S ☐ ☐ ☐ ☐ ☐ ☐

Valve	Inlets (in)	Outlet (in)	Order Code
LFSH1434TV	2 1/2 (65mm)	3 (80mm)	W

Controls	
None	0
Aquastat	A
AquaSentry2	B
Aquastat & AquaSentry2	C

Balancing Valve	
None	0
Automatic Balancing Valve	B

Return Pipe Size	
1/2" (15mm)	A
3/4" (20mm)	B
1" (25mm)	C
1-1/4" (32mm)	D
1-1/2" (40mm)	E
2" (50mm)	F

Assigned by Factory

Pump Information:

Pump Manufacturer: _____

Their Part #* _____

* If the pump is not selected, you must provide the following:

System Head Loss _____

Required Flow to Maintain Recirculating Temperature _____

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Recirculation Piping Diagram ■

Please see Piping Diagram Section of this catalog.

Typical Specification ■

Water temperature control system should include three thermostatic mixing valves capable of maintaining water temperature to 5°F (3°C) above set point within the range of 90°F to 160°F (32 to 71°C). 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. Valve must compensate for temperature fluctuation due to inlet temperature or pressure changes. Valve should have triple-duty checkstops and must have an advanced, paraffin-based thermal actuator in order to guarantee precise control when tested in accordance with ASSE 1017 and CSA B125.

Control system should be mounted on heavy-duty welded struts with corrosion resistance coating and factory tested as a complete unit. It should include GFCI protection, engineer specified circulator and combination temperature/pressure gauges. The system should feature optional Aquastat to maintain system balance.

The control system shall be a Powers' PowerStation Model _____. Any alternate must have a written approval prior to bidding.

ENGINEERING APPROVAL

Project: _____

Contractor: _____

Architect/Engineer:

POWERS™

A Watts Water Technologies Company

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