ES-P-SF-LFSVPS

Single Valve PowerStation™ Supply Fixture Capacity up to 208 gpm @ 45psi

Product Specification

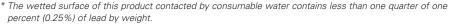
LEAD FREE*

Features ■

- Features Lead Free* construction to comply with Lead Free* installation requirements.
- Paraffin-based advance 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 heavy-duty welded struts and factory tested as a complete unit
- Includes Pressure/Temperature Gauges, Ball valves
- Internal bypass loop for quick & easy set-up

Specifications ■

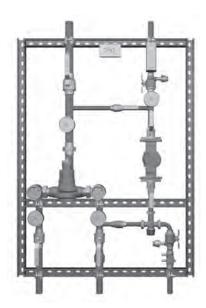
Connections	See ordering information
Maximum Operating Pressure	125psi (861 kPa)
Maximum Hot Water Temperature	200°F (93°C)
Minimum Hot Water Supply Temperature**	5°F (3°C) above set point
Hot Water Inlet Temperature Range	120 - 180°F (49 - 82°C)
Cold Water Inlet Temperature Range	40 - 80°F (4 - 27°C)
Minimum Flow***	0.5 gpm (1.89 lpm)
Temperature Adjustment Range****	90 - 160°F (32 - 71°C)
Listing/Compliance-Valve Only	ASSE 1017, CSA B125



^{**} With equal pressure

Capacity ■

Flow Capacity at 50-50 Mixed Ratio									
	Pressure Drop Across Valve								
Model	Min. Flow to ASSE 1017	Cv	5psi (34 kPa)	10psi (69 kPa)	20psi (138 kPa)	30psi (207 kPa)	45psi (310 kPa)	60psi (414 kPa)	
LFMM431	3 gpm 11 lpm	6.32	14 gpm 53 lpm	20 gpm 76 lpm	28 gpm 106 lpm	35 gpm 132 lpm	42 gpm 159 lpm	49 gpm 185 lpm	
LFMM432	4 gpm 15 lpm	9.49	21 gpm 80 lpm	30 gpm 114 lpm	42 gpm 159 lpm	52 gpm 197 lpm	64 gpm 242 lpm	74 gpm 280 lpm	
LFMM433	5 gpm 19 lpm	16.44	37 gpm 140 lpm	52 gpm 197 lpm	74 gpm 280 lpm	90 gpm 341 lpm	110 gpm 416 lpm	127 gpm 481 lpm	
LFMM434	7 gpm 26 lpm	21.50	48 gpm 182 lpm	68 gpm 257 lpm	96 gpm 363 lpm	118 gpm 447 lpm	144 gpm 545 lpm	167 gpm 632 lpm	
LFMM435	10 gpm 38 lpm	31.00	69 gpm 261 lpm	98 gpm 371 lpm	139 gpm 526 lpm	170 gpm 644 lpm	208 gpm 787 lpm	240 gpm 908 lpm	
LFSH1432	1 gpm 4 lpm	8.54	19 gpm 72 lpm	27 gpm 102 lpm	38 gpm 144 lpm	47 gpm 178 lpm	57 gpm 216 lpm	66 gpm 250 lpm	
LFSH1434	1 gpm 4 lpm	19.00	42 gpm 159 lpm	60 gpm 227 lpm	85 gpm 322 lpm	104 gpm 394 lpm	127 gpm 481 lpm	147 gpm 556 lpm	
LFSH1435	5 gpm 19 lpm	30.00	67 gpm 254 lpm	95 gpm 360 lpm	134 gpm 507 lpm	164 gpm 621 lpm	201 gpm 761 lpm	232 gpm 878 lpm	









Advanced Thermal Activation

^{***} Minimum flow when HiLo 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.

800-876-0036

B1 B2 - AUTOMATIC BALANCE VALVE OPTION

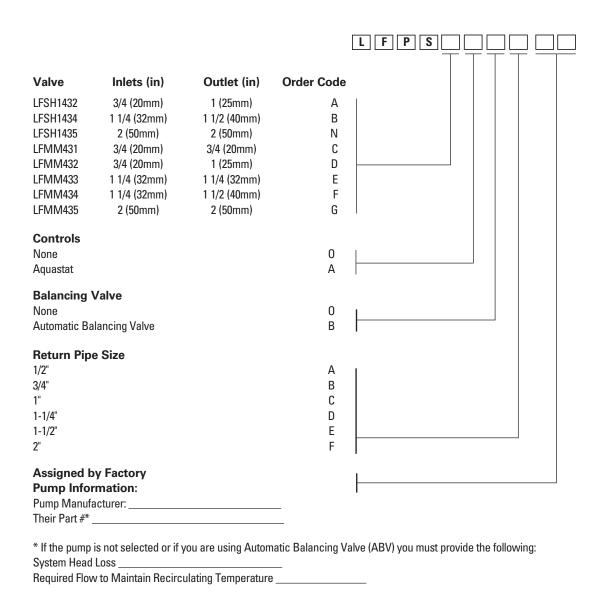
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3.18 [81 mm]

F1 F2 - AUTOMATIC BALANCE VALVE OPTION 3.18 [81 mm] :-N:-Note: Dimensions are shown ±1/2'' Dimensions in parentheses are in mm

Valve	Inlets	Outlets	Α	B1	B2	С	D	E	F1	F2
LFMM431	3/4"	3/4"	9-1/8"	9-3/4"	13-3/4"	14-3/8"	56-1/2"	50-1/8"	29-1/4"	33-1/4"
	20 mm	20 mm	233 mm	247 mm	348 mm	364 mm	1435 mm	1274 mm	744 mm	845 mm
LFMM432	3/4"	1"	9-1/8"	9-3/4"	13-3/4"	14-3/8"	56-1/2"	50-1/8"	29-1/4"	33-1/4"
	20 mm	25 mm	233 mm	247 mm	348 mm	364 mm	1435 mm	1274 mm	744 mm	845 mm
LFMM433	1-1/4"	1-1/4"	12-1/2"	10-3/4"	14-3/4"	17"	56-1/2"	50-1/8"	33-1/4"	37-1/4"
	32 mm	32 mm	320 mm	272 mm	373 mm	432 mm	1435 mm	1274 mm	845 mm	947 mm
LFMM434	1-1/4"	1-1/2"	12-1/2"	10-3/4"	14-3/4"	17"	56-1/2"	50-1/8"	33-1/4"	37-1/4"
	32 mm	40 mm	320 mm	272 mm	373 mm	432 mm	1435 mm	1274 mm	845 mm	947 mm
LFMM435	2"	2"	15-5/8"	11-1/8"	15-1/8"	19"	59-1/4"	52-7/8"	39-1/4"	41-1/4"
	50 mm	50 mm	397 mm	283 mm	385 mm	483 mm	1504 mm	1342 mm	997 mm	1048 mm
LFSH1432	3/4"	1"	9-1/8"	9-3/4"	13-3/4"	14-3/8"	56-1/2"	50-1/8"	29-1/4"	33-1/4"
	20 mm	25 mm	233 mm	247 mm	348 mm	364 mm	1435 mm	1274 mm	744 mm	845 mm
LFSH1434	1-1/4"	1-1/2"	12-1/2"	10-3/4"	14-3/4"	17"	56-1/2"	50-1/8"	33-1/4"	37-1/4"
	32 mm	40 mm	320 mm	272 mm	373 mm	432 mm	1435 mm	1274 mm	845 mm	947 mm
LFSH1435	2"	2"	15-5/8"	11-1/8"	15-1/8"	19"	59-1/4"	52-7/8"	39-1/4"	41-1/4"
LF3F1433	50 mm	50 mm	397 mm	283 mm	385 mm	483 mm	1504 mm	1342 mm	997 mm	1048 mm

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Recirculation Piping Diagram •

Please see Piping Diagram Section of this catalog.

Typical Specification ■

Water temperature control system should include a thermostatic mixing valve 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). Valve must compensate for temperature fluctuation due to inlet temperature or pressure changes. 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 should have triple-duty checkstops and must have an advanced, paraffin-based thermal actuator in order to guarantee a precise control when tested in accordance with ASSE 1017 and CSA B125.

Control system should be mounted on a heavy-duty welded strut with corrosion resistance coating and factory tested as a complete unit. System should include an internal bypass loop for fast and easy set up. It should also include GFCI protection engineer specified circulator and combination temperature/ pressure gauges. The system should feature optional Aquastat and Automatic Balancing valve to maintain system balance.

The control system shall be a Power's PowerStation™ series PSLF. Any alternate must have a written approval prior to bidding.

ENGIN	IEERIN	IG AP	PR	Oν	ΆL

Project:

Contractor:

Architect/Engineer:



ISO 9001-2008 CERTIFIED

A Watts Water Technologies Company

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