

Liquid Flow Switch Specification Chart

General Purpose Applications															
Model Number	Use on NPT Pipe Sizes	Connection		Wetted Parts						Maximum Pressure		Fluid Temperature °F (°C)		Minimum Ambient Temp. °F (°C)	Switch Enclosure
				Body	Stainless Steel	Monel	Body W/ Monel	Wetted Parts	Solder			Min.	Max.		
FS4-3	1-6	•		•	•	•			•	160	11.3	32 (0)	300 (149)	32 (0)	General Purpose
FS251	1-6	•		•	•	•	2		•	160	11.3	32 (0)	300 (149)	32 (0)	General Purpose
FS4-3D ¹	1-6	•		•	•	•			•	160	11.3	32 (0)	300 (149)	32 (0)	General Purpose
FS4-3J	1-6		•	•	•	•			•	160	11.3	32 (0)	300 (149)	32 (0)	General Purpose
FS4-3RPT	1-6	•		•	•	•			•	160	11.3	32 (0)	300 (149)	32 (0)	General Purpose
FS4-3S	1-6	•		•	•	•			•	160	11.3	32 (0)	300 (149)	32 (0)	General Purpose
FS5-3/4	3/4	•		•			3			150	10.5	32 (0)	250 (121)	32 (0)	General Purpose
FS5-1	1	•		•			3			150	10.5	32 (0)	250 (121)	32 (0)	General Purpose
FS5-D-3/4 ¹	3/4	•		•			3			150	10.5	32 (0)	250 (121)	32 (0)	General Purpose
FS5-D-1 ¹	1	•		•			3			150	10.5	32 (0)	250 (121)	32 (0)	General Purpose
FS5-J-1	1		•	•			3			150	10.5	32 (0)	250 (121)	32 (0)	General Purpose
FS5-DJ-3/4 ¹	3/4		•	•			3			150	10.5	32 (0)	250 (121)	32 (0)	General Purpose
FS5-S-1	1	•			•		•			150	10.5	32 (0)	225 (107)	32 (0)	General Purpose
FS5-DS-1 ¹	1	•			•		•			150	10.5	32 (0)	225 (107)	32 (0)	General Purpose
FS254	1-6	•		•	•	•	2		•	160	11.3	32 (0)	225 (107)	32 (0)	NEMA 4-X
FS8-W	1-6	•		•	•	•			•	160	11.3	32 (0)	225 (107)	32 (0)	NEMA 4-X
FS8-WJ	1-6		•	•	•	•			•	160	11.3	32 (0)	225 (107)	32 (0)	NEMA 4-X
High Sensitivity Applications															
FS6-3/4	3/4	•		•					•	100	7	32 (0)	225 (107)	32 (0)	General Purpose
FS6-1	1	•		•					•	100	7	32 (0)	225 (107)	32 (0)	General Purpose
FS6-J-3/4	3/4		•	•					•	100	7	32 (0)	225 (107)	32 (0)	General Purpose
FS6-J-1	1		•	•					•	100	7	32 (0)	225 (107)	32 (0)	General Purpose
FS6-W-3/4	3/4	•		•					•	100	7	32 (0)	225 (107)	32 (0)	NEMA 4-X
FS6-W-1	1	•		•					•	100	7	32 (0)	225 (107)	32 (0)	NEMA 4-X
FS6-WJ-3/4	3/4		•	•					•	100	7	32 (0)	225 (107)	32 (0)	NEMA 4-X
FS6-WJ-1	1		•	•					•	100	7	32 (0)	225 (107)	32 (0)	NEMA 4-X
FS1	1/2	•		•	•				•	100	7	32 (0)	225 (107)	32 (0)	General Purpose
FS1-J	1/2		•	•	•				•	100	7	32 (0)	225 (107)	32 (0)	General Purpose
FS1-W	1/2	•		•	•				•	100	7	32 (0)	225 (107)	32 (0)	NEMA 4-X

Flow Switches

Flow Switches – Liquid

Series FS4-3 (continued) General Purpose Liquid Flow Switches

Flow Rates

Pipe Size NPT in.	Settings	Mode of Operation		Max. Flow Rate gpm (lpm) w/o Paddle Damage
		Flow gpm (lpm)	No Flow gpm (lpm)	
1	Factory or Minimum	6 (22.7)	3.6 (13.6)	27 (102.2)
	Maximum	10.2 (38.6)	9.2 (34.8)	
1¼	Factory or Minimum	9.8 (37.1)	5.6 (21.2)	47 (177.9)
	Maximum	16.8 (63.6)	15 (56.8)	
1½	Factory or Minimum	12.7 (48.1)	7 (26.5)	63 (238.5)
	Maximum	23 (87.1)	19.5 (73.8)	
2	Factory or Minimum	18.8 (71.2)	9.4 (35.6)	105 (397.4)
	Maximum	32.8 (124.1)	24 (90.8)	
2½	Factory or Minimum	24.3 (92)	11.6 (43.9)	149 (564)
	Maximum	42.4 (160.5)	37.5 (141.9)	
3	Factory or Minimum	30 (113.6)	12 (45.4)	230 (870.6)
	Maximum	52.1 (197.2)	46.1 (174.5)	
4	Factory or Minimum	39.7 (150.3)	19.8 (74.9)	397 (1502.7)
	Maximum	73.5 (278.2)	64.2 (242)	
5	Factory or Minimum	58.7 (222.2)	29.3 (110.9)	654 (2415.4)
	Maximum	115 (435.3)	92 (348.2)	
6	Factory or Minimum	79.2 (300)	39.6 (150)	900 (3406.5)
	Maximum	166 (628.3)	123 (465.6)	

Ordering Information

Model Number	Part Number	Description	Weight lbs. (kg)
FS4-3	114400	General purpose flow switch	1.9 (0.9)
FS4-3J	114610	FS4-3 w/BSPT connections	1.9 (0.9)
FS4-3-RPT	114639	FS4-3 w/test button	1.9 (0.9)
FS4-3Z	114410	FS4-3 w/ANSI terminal connections	1.9 (0.86)
FS4-3D	114550	FS4-3 w/2 SPDT switches	2.3 (1.0)
FS4-3S	114641	FS4-3 w/SS body, monel bellows	1.9 (0.9)
FS4-3SJ	176216	FS4-3S w/BSPT connections	1.9 (0.9)
FS4-3DS	114642	FS4-3S w/2 SPDT switches	3.3 (1.5)