

Flow Switches – Liquid

Series FS4-3T General Purpose Liquid Flow Switches

- For starting or stopping electrically operated equipment such as signal lights, alarms, motors, automatic burners, metering devices and others
- In-line configuration eliminates need for a pipe tee
- Sizes available
 - 3/4" NPT
 - 1" NPT
- Paddles available for low, medium or high flow
- Two electrical knock-outs allows connection from either end
- Sensitivity adjusting screw makes flow adjustment easy
- Single pole, double throw snap switch
- Hardened stainless steel bearings minimize friction
- Sealed Monel bellows
- Minimum temperature (fluid or ambient) 32°F (0°C)
- Maximum temperature 300°F (149°C)
- Maximum pressure 160 psi (11.3 kg/cm²)

Ordering Information

Model Number	Part Number	Description	Weight lbs. (kg)
FS4-3T1-3/4	114800	3/4" NPT body - high flow rate	3 (1.4)
FS4-3T2-3/4	114900	3/4" NPT body - medium flow rate	3 (1.4)
FS4-3T3-3/4	115000	3/4" NPT body - low flow rate	3 (1.4)
FS4-3T1-1	115100	1" NPT body - high flow rate	3 (1.4)
FS4-3T2-1	115200	1" NPT body - medium flow rate	3 (1.4)
FS4-3T3-1	115300	1" NPT body - low flow rate	3 (1.4)
FS4-3T3-3/4-E	115001	FS4-3T3-3/4 -CE conformance rated	3 (1.4)
FS4-3T3-1-E	115301	FS4-3T3-1 -CE conformance rated	3 (1.4)

See page 120 for CE Conformance information

Electrical Ratings

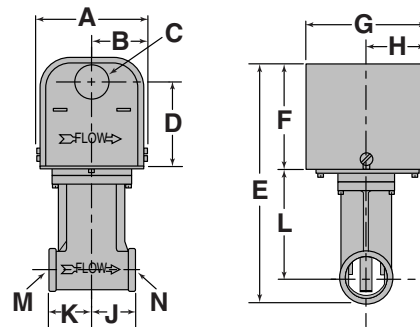
Voltage	Motor Switch Rating (Amperes)		Pilot Duty
	Full Load	Locked Rotor	
120 VAC	7.4	44.4	125 VA at 120 or 240 VAC 50 or 60 cycles
240 VAC	3.7	22.2	

Dimensions, in. (mm)

A	B	C	D	E	F	G
3 (76)	1 1/2 (38)	7/8 (22)	2 7/32 (56)	6 7/8 (175)	2 15/16 (75)	3 3/8 (86)
H	J	K	L	M	N	
1 11/16 (43)	1 5/16 (33)	1 1/8 (29)	3 1/16 (78)	NPT 3/4 or 1	NPT 3/4 or 1	



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NOTE: DO NOT USE LIQUID FLOW SWITCHES ON SYSTEMS WITH FLOW GREATER THAN 10 FEET (3M) PER SECOND.

Flow Rates

Pipe Model Number	Size NPT in.	Settings	Mode of Operation		Max. Flow Rate gpm (lpm) w/o Paddle Damage
			Flow gpm (lpm)	No Flow gpm (lpm)	
FS4-3T1-3/4	3/4	Factory or Minimum	4.4 (16.7)	2.6 (9.8)	16.62 (62.9)
		Maximum	10.5(39.7)	9.8(37.1)	
FS4-3T2-3/4	3/4	Factory or Minimum	3.7 (14)	2.2 (8.3)	
		Maximum	8.9 (33.7)	8.3(31.4)	
FS4-3T3-3/4	3/4	Factory or Minimum	2 (7.6)	1.2 (4.5)	
		Maximum	4.5 (17)	4.1(15.5)	
FS4-3T1-1	1	Factory or Minimum	5 (18.9)	3.2(12.1)	27 (102.2)
		Maximum	11.5(43.5)	11(41.6)	
FS4-3T2-1	1	Factory or Minimum	4.8 (18.1)	2.9 (11)	
		Maximum	10.1(38.2)	9.4(35.6)	
FS4-3T3-1	1	Factory or Minimum	2 (7.6)	1.2 (4.5)	
		Maximum	4.5 (17)	4.1(15.5)	

Values are ± 10%