



Flow Switches

- FSF series oil flow switches are mainly used to monitor and control the flow of the medium in pipes
- FSF series oil flow switches are control switches that directly get signals from the flow of medium.
- FSF series oil flow switches can be widely used in food industry, water-cooling air-condition, residential and commercials heating systems.
- FSF oil flow switches have lots of advantages, such as simple usage, light weight, sensitive and reliable actions.
- Factory setting flow is the minimum. Users can change it by adjusting the screw

Type & data (Unit: MPa)

Model	Connection	Medium	Materials in contact with the medium	crust
FSF50P-2	1/2"-14NPT	Water	brass	Seal plastic case
FSF50P-3	3/4"-14NPT			
FSF50P-1	1"-11 ¹ / ₂ NPT			
FSF50P-2A	1/2"-14NPT	Caustic liquid	Stainless steel	
FSF50P-3A	3/4"-14NPT			
FSF50P-1A	1"-11 ¹ / ₂ NPT			



Technical Data:

Max, ambient temperature: 80 deg C

Max. fluid temperature: 110 deg C

Max fluid Pressure: 2.5 MP = 25 Bar

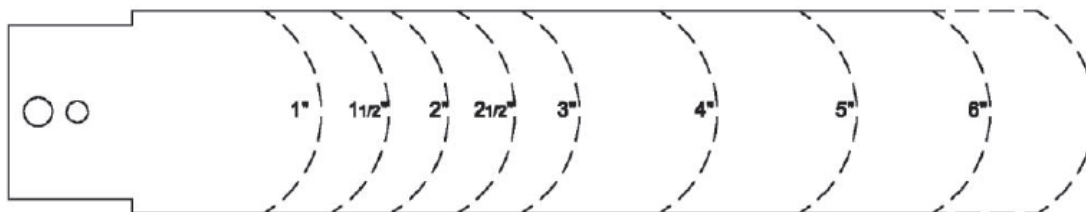
Max. working voltage: 220VAC

Max. working current: 1A , 220VAC

Level of protection: IP55

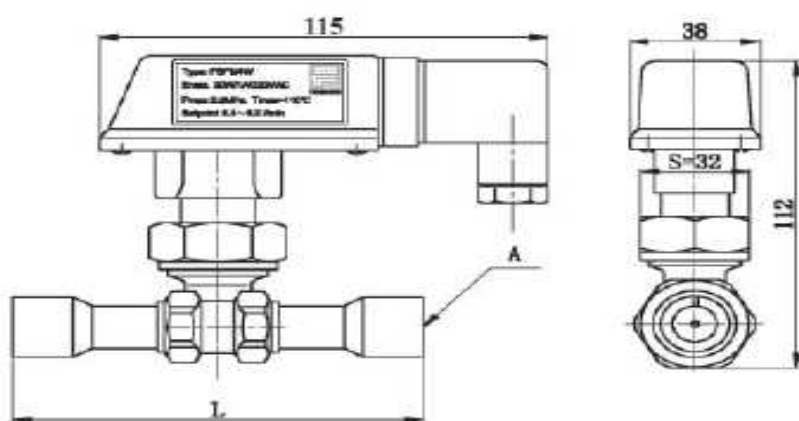
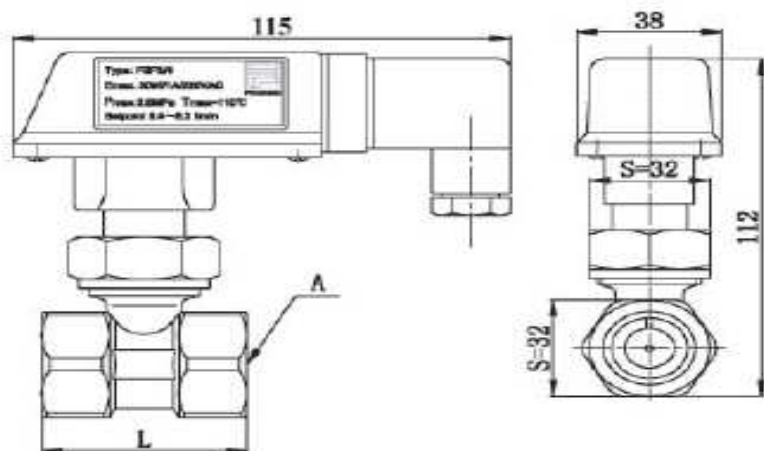
Model	DN (mm)	Connection size (inch)	Flow rate range (L/min)		Medium	Materials in contact with the medium
			Increasing flow	Decreasing flow		
FSF10-ZG3/8	Φ10	ZG3/8	2.6~2.9	2.2~2.9	R134a,R22, R407C, R404A/507, 水和油 water and oil	Brass
FSF10W-1/2	Φ10	1/2" ODF				
FSF15-ZG1/2	Φ15	ZG1/2	3.3~4.0	2.9~3.7		
FSF15W-5/8	Φ15	5/8" ODF				
FSF20-G3/4	Φ20	G3/4	6.6~8.8	6.2~7.7		
FSF20W-7/8	Φ20	7/8" ODF				
FSF25W-9/8	Φ25	1-1/8" ODF	13.0~16.1	11.4~14.7		
FSF20W-9/8A	Φ20	1-1/8" ODF	6.6~8.8	6.2~7.7	R717 (ammonia)system	Stainless Steel

Dimension of the paddle (Unit: inch)





Dimension





New series of FSF series



■ Introduction

FSF series flow switches are used in measuring and controlling the flow of the liquid in the pipe, such as water, alcohol, etc., as well as in the places where it needs chain effect or cutout protection.

FSF series flow switches have SPDT switch, full-sealing structure as its shell, and stainless steel as its inside components, which can assure its use in any conditions.

FSF-A series flow switches are used for caustic fluid liquid, the materials of FSF-A in contact with the medium is stainless steel.

Approvals: CQC(China), CE (Europe).

■ Technical data

Ambient temperature -20 ~ 60 °C

Liquid temperature -25 ~ 120 °C

Max. liquid pressure

1.5MPa

Cable connection

The cable entry can be used for 15mm dia.

level of protection

IP 55



Required to actuate switch (m³/h)

flow adjustable range	管径(in.) Line pipe size		1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8
	Min. flow	Flow increase R to B closes	1.0	1.3	1.7	3.1	4.1	6.2	8.4	12.9	16.8	46.6
		Flow decrease R to Y closes	0.6	0.8	1.1	2.2	2.8	4.3	6.1	9.3	12.3	38.6
	Max. flow	Flow increase R to B closes	2.0	3.0	4.4	6.6	7.8	12.0	13.4	26.8	32.7	94.2
		Flow decrease R to Y closes	1.9	2.8	4.1	6.1	7.3	11.4	17.3	25.2	30.7	90.8

Factory setting flow is the minimum. Users can change it by adjusting the screw.

Dimension (Unit: mm)

