

FS50 Flow Switch Datasheet



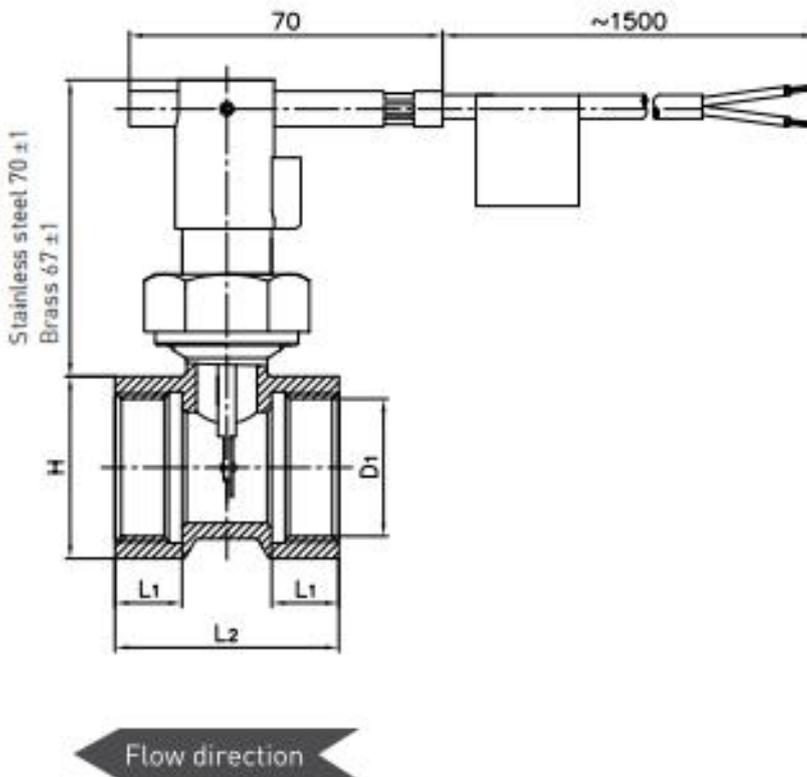
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1. Product Description

FS50 paddle flow switch comprises a paddle system with a permanent magnet attached. It follows the simple and reliable design concept and greatly improves the reliability of the flow switch from the structure, which is not comparable to the traditional target type flow switch. Mechanical flow switch with built-in micro trigger switch, very small pressure loss, good repeatability, and high dirt resistance. The mechanical part is safely isolated from the electrical part.

Pipeline type baffle type flow switch does not contain bellows that are prone to failure, the electrical parts do not directly do not directly contact with metal parts with large temperature difference, there is no problem of condensation generated by the electrical parts leading to rust and corrosion. The product uses the imported micro switch as the electrical action parts, through the current is large, completely avoid the problem of improper use of the min switch easily damaged, suitable for central air conditioning and industrial fluid control.

2. Structural Drawing



3. Technical Data

Switch type	Contact closes at increasing flow opens at decreasing flow Reversing possible
Pressure rating	PN25
Temperature ranges	
medium temperature	-25...110 °C
ambient temperature	-25...80 °C
Electrical data	
Electrical connection	0.7 m PVC jacket cable
Switching current	Max. 1 A
Switching voltage	Max. 230 VAC, 48 VDC
Rating	Max. 26 VA, 20 W
Protection grade	IP65

Nominal diameter	Thread connection D1	Set point ranges [l/min]*		Max. flow rate [l/min]
		Increasing flow ON	Decreasing flow OFF	
Dn8	G¼	2...2.6	1.8...2.4	45
DN10	G¾	2.5...3.2	2.2...2.9	60
Dn15	G½	3.4...4.2	3.0...3.8	67
Dn15	G½ male	2.5...3.2	2.2...2.9	60
Dn15	G¾ male	2.5...3.2	2.2...2.9	60
Dn20	G¾	7.0...9.1	6.4...8.2	120
Dn25	G1	13.5...17.0	12.0...15.5	195
Dn32	G 1¼	15.5...20.5	14.5...19.0	240
Dn40	G 1½	26.5...34.5	25.5...32.5	400
Dn50	G 2	39.5...51.0	39.0...50.0	400

Materials		
	Brass Version	Stainless Steel
Body, Paddle	Brass	Stainless steel
Pipe tee	Brass	Stainless steel
Cable	PVC	PVC

4. Ordering Guide

Item NO.	Type					
FS50	Paddle Flow Switch					
		Code	Thread Spec			
		G14	G1/4			
		G38	G3/8			
		G12	G1/2			
		G34	G3/4			
		G1	G1			
			Code	Shell Material		
			S	Stainless Steel		
				Code	Electrical Connection	
				Yn	Cable outlet, Standard n=0.5 meter	
				L	Customized cable length	
FS50	G14	S	Yn			