

## FS Flow Switch



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## Overview

FS Flow Switch is made of metal shell and switch element. The principle of the product is to install a permanent magnet with reliable performance inside, and the flowing medium pushes the magnetic moving parts inside the switch, then the switch action is triggered by magnetism to achieve the alarm function. It is often used to control the start and stop of pump valves and the cut-off protection of cooling circulation system.

## Feature

- ◆ Mechanical parts are completely isolated from electronic parts
- ◆ Minimal pressure loss
- ◆ Great repeatability
- ◆ Dual use for vapor and liquid, can be used for water-cooling system and hydraulic system

## Technical Parameters

Measuring Medium: water, gas, oil

Output Signal: reed switch, normally open

Contact Capacity: 24VDC/220VAC, 100mA

Maximal Withstand Voltage: 50bar (aluminum), 400bar (stainless steel)

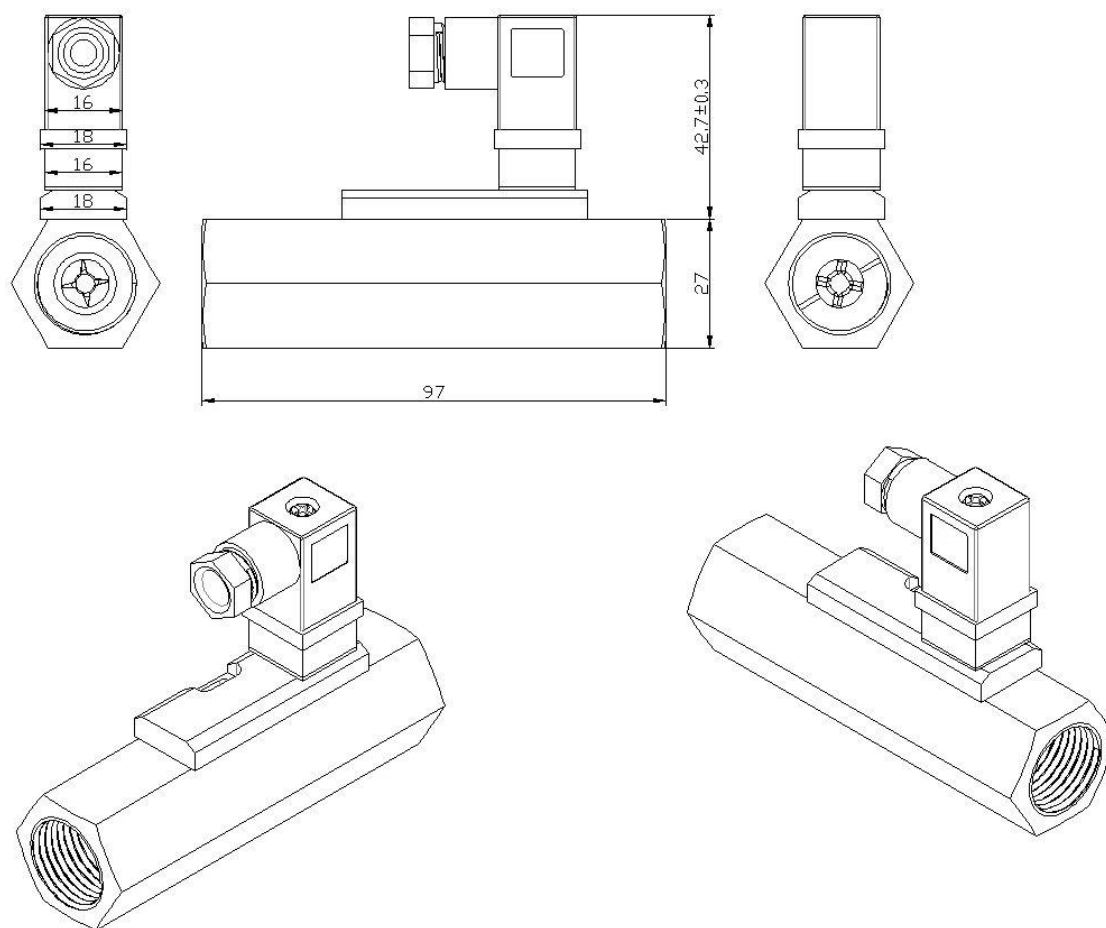
Ingress Protection: IP65

Operation Temperature: -20~110°C

Electrical Connection: PG9 DIN43650

## Structure Material

- ◆ Case: stainless steel or aluminum
- ◆ Piston: POM
- ◆ Spring: stainless steel
- ◆ Seal: NBR

**Structure Drawings (unit: mm)**

**G1/2 female thread type**

## Dimension Parameter

Model No. FS/FSX	withstand voltage (bar)	Maximum Flow	Adjustable Range	G	L	H	B	X	Weight
	Aluminum (Stainless Steel)	L/min (water)	L/min (water)	mm	mm	mm	mm	mm	Kg (Stainless Steel)
FS-G14	50 ( 100 )	40	0.6(0.1)...7(6.5)	G1/4	93	36	30	12	0.22(0.53)
FS-G38	50 ( 100 )	40	0.6(0.1)...7(6.5)	G3/8	93	36	30	15	0.20(0.51)
FS-G12	50 ( 100 )	40	0.6(0.1)...7(6.5)	G1/2	93	36	30	15	0.18(0.48)
FS-G34	50 ( 100 )	40	0.6(0.1)...7(6.5)	G3/4	105	36	35	15	0.23(0.65)
FS-G1	50 ( 100 )	40	0.6(0.1)...7(6.5)	G1	105	36	40	15	0.32(0.82)
FS-G14	50 ( 100 )	40	1(0.5)...12.5(11)	G1/4	93	36	30	12	0.22(0.53)
FS-G38	50 ( 100 )	40	1(0.5)...12.5(11)	G3/8	93	36	30	15	0.20(0.51)
FS-G12	50 ( 100 )	40	1(0.5)...12.5(11)	G1/2	93	36	30	15	0.18(0.48)
FS-G34	50 ( 100 )	40	1(0.5)...12.5(11)	G3/4	105	36	35	15	0.23(0.65)
FS-G1	50 ( 100 )	40	1(0.5)...12.5(11)	G1	105	36	40	15	0.32(0.82)
FS-G12	50 ( 100 )	40	2(0.8)...24(22)	G1/2	93	36	30	15	0.18(0.48)
FS-G34	50 ( 100 )	60	2(0.8)...24(22)	G3/4	105	36	35	15	0.23(0.65)
FS-G1	50 ( 100 )	60	2(0.8)...24(22)	G1	105	36	40	15	0.32(0.82)
FS-G34	50 ( 100 )	100	27(21)...70(66)	G3/4	105	36	35	15	0.23(0.65)
FS-G1	50 ( 100 )	100	27(21)...70(66)	G1	105	36	40	15	0.32(0.82)

## Ordering Guide

Item NO.	Type				
FS	Flow Switch				
eg: FS	G12	Code	Thread Spec		
		G14	G1/4		
		G38	G3/8		
		G12	G1/2		
		G34	G3/4		
		G1	G1		
			Code	Shell Material	
			A	Anodised Aluminium	
			S	Stainless Steel	
			Code	Setting Range of Flow	
				008	
				015	
				026	
				070	
				Code	Electrical Connection
				H	DIN43650
				M	M12 Connection
				Yn	Cable Outlet
eg: FS	G12	S	015	H	

### Tips for Type Selection

1. Please specify the flow direction of medium, type of medium, pipe diameter and expected set value.
2. If it is a viscous medium, please indicate the viscosity, temperature and type of medium.
3. For gaseous medium, please specify pressure (gauge/absolute pressure), temperature and type of medium.