

# FS Flow Switch



Nanjing Hangjia Electronic Technology Co., Ltd.

## 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.

## Features:

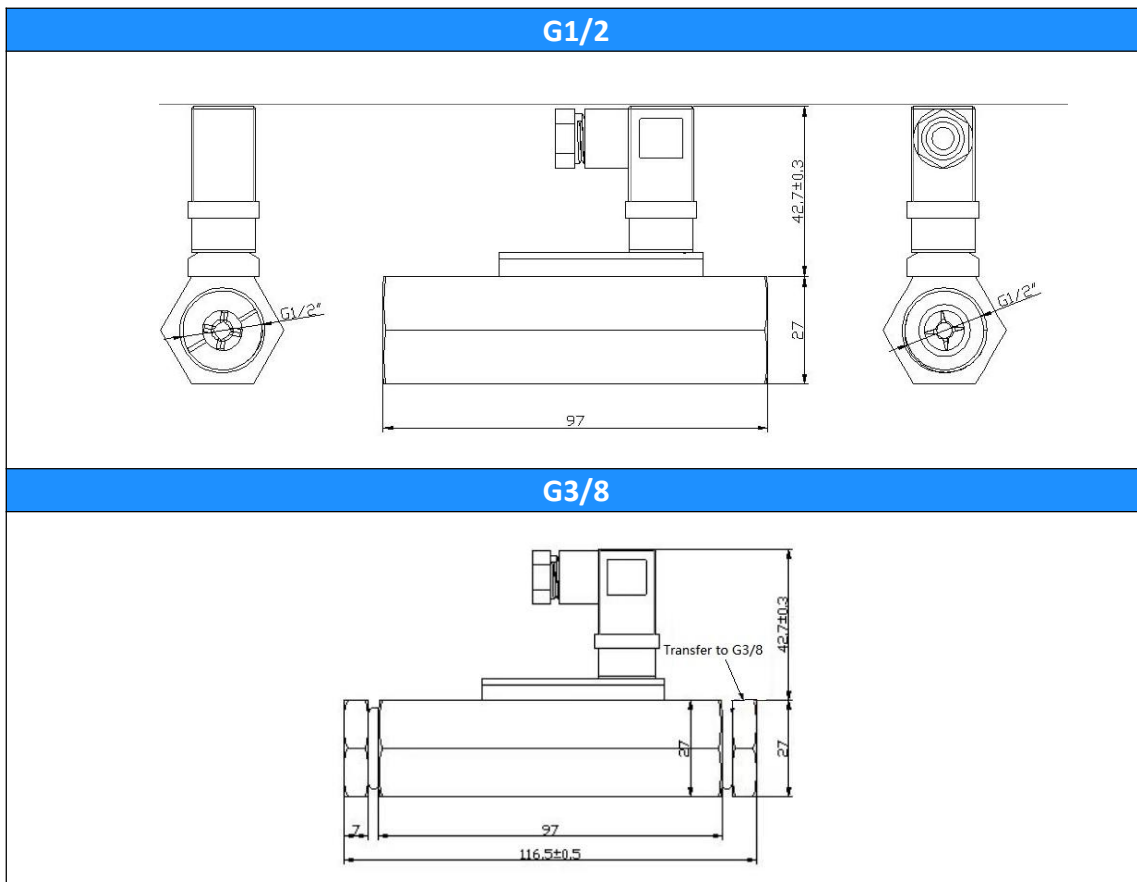
- Wide range for measuring gauge, absolute and sealed gauge pressures
- .Mechanical parts are completely isolated from electronic parts
- .Minimal pressure loss
- .Great repeatability
- .Dual-use for vapor and liquid , can be used for water-cooling system and hydraulic system

## Technical Parameters:

<b>Measuring Medium</b>	Water, gas, oil
<b>Output Signal</b>	Reed switch, normally open
<b>Contact Capacity</b>	24VDC/220VAC, 100mA
<b>Maximal Withstand Pressure</b>	30bar(Aluminum), 100bar (Stainless Steel)
<b>Operation Temperature</b>	-20 ~ 110°C
<b>Medium Temperature</b>	-20 ~ 110°C
<b>Storage Temperature</b>	-20 ~ 85°C
<b>Protection Grade</b>	IP65(DIN43650)
<b>Electronic output:</b>	PG9 DIN43650

### Structure Drawing (unit:mm)

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				
	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	0.6~8L/min	
			015	1~15L/min	
			026	2~26L/min	
			070	27~70L/min	
		Code	Electrical Connection		
	H	DIN43650			
	Yn	Cable Outlet			
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.