

FS20D Flow Switch



Nanjing Hangjia Electronic Technology Co., Ltd.

Overview

FS20D Flow Switch is made of stainless steel housing, aluminum can be selected. Easy installation, is a mechanical flow switch, for liquid or gaseous media. Mechanical part and electronic part are completely isolated, suitable for small flow economy type.

Application: Pneumatic liquid dual purpose, industrial automation/mechanical equipment/air compression industry/refrigeration and air conditioning, etc.

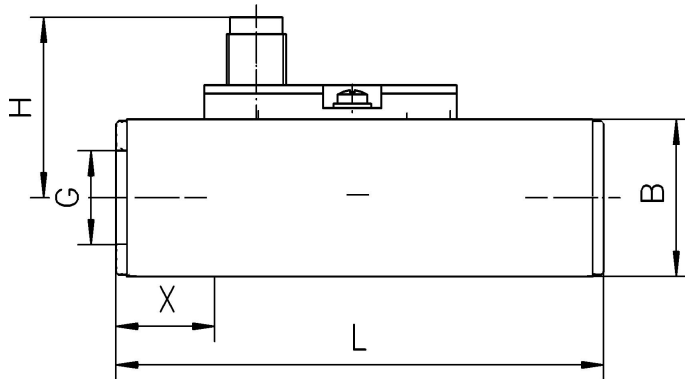
Feature

- Minimal pressure loss, good repeatability and stain resistance
- With a switch setting scale, users do not need to set in the field.
- Dual-use for vapor and liquid , can be used for water-cooling system and hydraulic system
- LED display switch status, dual switch output selected

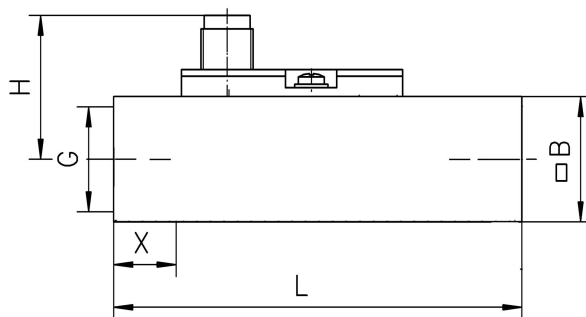
Technical Parameters

Measuring medium	Water, oil, gas
Accuracy	±5% of full range
Hysteresis	depending on switching point, minimum 0.6L/Min
Electrical Connection	M12/Cable outlet/Hirschmann(no LED light)
Output	N.O./N.C. reed switch
Max. withstand voltage	POM (10Bar) ; anodised aluminium(50bar); Stainless steel(100Bar)
Medium temperature	-20~90℃
Power supply	24VDC/LED light ×1 / display panel; 220VAC/No LED light/Display panel
Protection grade	IP65

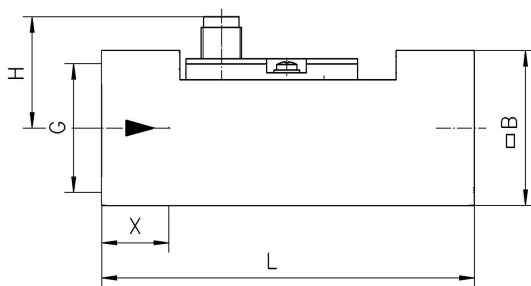
Structure Drawings (unit:mm)



FCS20-008/010



FCS20-015



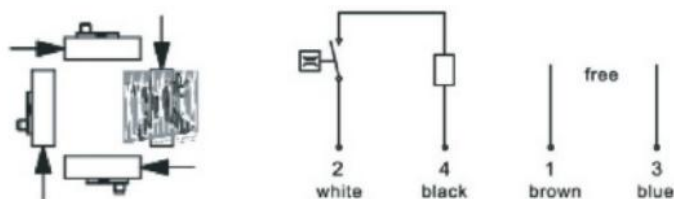
FCS20-020/025

Dimension Parameter

	bar	L/min water	L/min water	mm	mm	mm	mm	mm
008...L(X) 008...	50	40	0.6(0.1)..8 (7)	G1/4	93	36	30	12
010...L(X) 008...	50	40	0.6(0.1)..8 (7)	G3/8	93	36	30	15
015...L(X) 008...	50	40	0.6(0.1)..8 (7)	G1/2	93	36	30	15
020...L(X) 008...	50	40	0.6(0.1)..8 (7)	G3/4	105	36	35	15
025...L(X) 008...	50	40	0.6(0.1)..8 (7)	G1	105	36	40	15
008...L(X) 015...	50	40	1(0.5)..15 (13)	G1/4	93	36	30	12
010...L(X) 015...	50	40	1(0.5)..15 (13)	G3/8	93	36	30	15
015...L(X) 015...	50	40	1(0.5)..15 (13)	G1/2	93	36	30	15
020...L(X) 015...	50	40	1(0.5)..15 (13)	G3/4	105	36	35	15
025...L(X) 015...	50	40	1(0.5)..15 (13)	G1	105	36	40	15
015...L(X) 025...	50	40	2(0.8)...25 (25)	G1/2	93	36	30	15
020...L(X) 025...	50	40	2(0.8)...25 (25)	G3/4	105	36	35	15
025...L(X) 025...	50	40	2(0.8)...25 (25)	G1	105	36	40	15
020...L(X) 070...	50	40	27(21)...70 (66)	G3/4	105	36	35	15
025...L(X) 070...	50	40	27(21)...70 (66)	G1	106	36	40	15

Note: The parameters inside the brackets are reset points, and the parameters outside the brackets are action points.

If the lower limit alarm (monitoring flow is too small) refer to the reset point parameter.

Installation and Wiring

Note: The installation position will affect the switch value

Structure Material

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

Ordering Guide

Item NO.	Type				
FS20D	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		
		025	2~25L/min		
		070	27-70L/min		
		Code	Electrical Connection		
		M	M12 Connection		
		Yn	Cable Outlet		
		H	Hirschmann (Note: without LED light)		
FS20D	G12	S	015	M	

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.