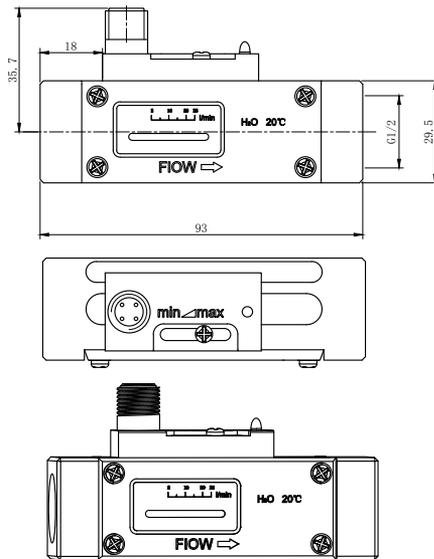


FS201

FS202



FS203

FS200Series

Liquid Flow Switch



FS201



FS202



FS203

Principle and Structure

Online installation, mechanical flow switch, Be used in liquid or gas media. Solid plastic, aluminum or stainless steel housing are optional.

Main Feature

Very few pressure loss, satisfactory repeatability and anti-pollution, mechanical and electronic parts are isolated completely. More accurate setting accuracy, with setting dial gauge, easy setting, user no need to set on site, switch status displays in LED.

Application

Can be used in both gas and liquid, industrial automation, mechanical equipment, air compressor industrial, HVAC.

Order Ref No

FS201(202 203)- 2 1 1 3 1 1

A B C D E F

code	Pipe Diameter	Connection	Distributing Detail	Materials	Alarm setting range	Electrical Connection
1	Thread connection G1/4	B Female thread	C DC distributing 24V±20%DC	POM reinforced plastics	E 0.6~8L/Min (Lower limited alarm :0.1~7L/Min)	F M12 plug
2	Thread connection G1/2	/	AC distributing 230V±15%AC	Anodic Aluminum Oxide Materials	1~15L/Min	Hirschmann plug
3	Thread connection G3/8	/	/	D 304 stainless steel	2~28L/Min	/
4	Thread connection G3/4	/	/	/	27~70L/Min	/
5	Thread connection G1	/	/	/	/	/

Specification

General	Value
Setting Range	See Specification Sheet
Accuracy	±5% total range
Delay	Depend on different switches, Minimum 0.5L/Min
Setting Scale	20°C water as media, horizontally installation in marked position Change of media and temperature can influence the value
LED display	Only available in DC distributing
Terminal	M12 and Hirschmann plug
Output	Reed switch, capacity:24VDC/250VAC,100mA
Proof Pressure	50bar(aluminum) 200bar(stainless steel)
Average Pressure Loss	0.3bar(25L/min)
Return Difference	Related to the switch value, minimum 0.5L/Min
Temperature of media	0-100°C/0-160°C(high temperature option)
Protection Degree	IP65
Engineering plastics materials	Housing:POM engineering plastics
	Plunger:POM engineering plastics
	Spring:316L stainless steel SUS1.4310
	Seal:NBR
	Magnet:Barium
Anodic Aluminum Oxide Materials	Housing:Anodic Aluminum Oxide
	Plunger:POM engineering plastics
	Spring:316L stainless steel SUS1.4310
	Seal:NBR
	Magnet:Barium
Stainless Steel Materials	Housing:304 stainless steel
	Plunger:POM engineering plastics
	Spring:316L stainless steel SUS1.4310
	Seal:NBR
	Magnet: Barium

Specification

	Model	Proof Pressure	Maximum Flow	Changeable range	G	L	H	B	X	Weight	
		Kg	L/min(water)	L/min(water)	mm	mm	mm	mm	mm	Kg	
Anodic Aluminum Oxide Materials (stainless steel)	FS201.202.203	Maximun 200 Kg	40	0.6(0.1) 8(7)	G1/4	93	36	30	12	0.22 (0.53)	
				0.6(0.1) 8(7)	G3/8					0.20 (0.51)	
				0.6(0.1) 8(7)	G1/2					0.18 (0.48)	
				0.6(0.1) 8(7)	G3/4	105				35	0.23 (0.65)
				0.6(0.1) 8(7)	G1	105				40	0.32 (0.82)
				1(0.5) 15(13)	G1/4	93				30	15
				1(0.5) 15(13)	G3/8			0.20 (0.51)			
				1(0.5) 15(13)	G1/2			0.18 (0.48)			
				1(0.5) 15(13)	G3/4	105		35	0.23 (0.65)		
				1(0.5) 15(13)	G1	105		40	0.32 (0.82)		
				2(0.8) 28(25)	G1/2	93		30	15		
				80	2(0.8) 28(25)	G3/4		105	35	0.23 (0.65)	
					2(0.8) 28(25)	G1				40	0.32 (0.82)
				120	27(21) 70(66)	G3/4		105		35	0.23 (0.65)
					27(21) 70(66)	G1					40

Remark:

1. Data in above parentheses is reset point while the other is operating point, Please refer to reset point data while in lower limit alarm(monitring too small flow), and refer to operating point data while in upper limit alarm(monitring too large flow)
2. Above data is based on the test that switch is installed on horizontal pipe vertically and use 20°C water as media.
3. Above proof pressure data is based on 304 stainless steel materials, proof pressure 50bar,20bar are optional either.