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FSH-10

Piston Type Flow Switch

Working principle

In-line installation, mechanical flow switch for liquid or gas media. Rugged plastic, aluminum or stainless steel housing available.

Functional characteristics

Minimal pressure loss, good repeatability, anti-fouling ability, the mechanical part and the electronic part are completely isolated, the setting accuracy is more accurate, with the switch setting scale, easy to set users, no need to set in the field, LED display switch action status.

Product application

Gas-liquid dual purpose
Industrial automation
Mechanical equipment
Air compression industry
Refrigeration and air conditioning



Technical parameter

Set range	See parameters for details
precision	±5% total range
retardation	Depends on the switch point, minimum 0.5L/Min
Switch setting scale	The medium is water, the temperature is 20°C, and the installation position is calibrated in the horizontal installation state.
	The change of medium and temperature will have a slight effect on the switching value
LED display	Dc power distribution has LED display switch status, AC no LED display
Connection mode	The M12 connector is connected to Hersman
exportation	Reed switch, capacity 24VDC/250VAC,100mA
Withstand voltage	50bar(Aluminum type)200bar(stainless steel)
Mean pressure loss	0.3bar (at 25L/min)
Return difference	Depending on the switch value, the minimum is 0.5L/Min
Medium temperature	0-100°C/0-160°C(high temperature selection)
Class of protection	IP65
Engineering plastic material	Housing: POM engineering plastic
	Plunger: POM engineering plastic
	Spring: 316L stainless steel SUS1.4310
	Seal: NBR
	Magnet: barium
Anodized alumina material	Housing: anodized aluminum
	Plunger: POM engineering plastic
	Spring: 316L stainless steel SUS1.4310
	Seal: NBR
	Magnet: barium
Stainless steel material	Housing: 304 stainless steel
	Plunger: POM engineering plastic
	Spring: 316L stainless steel SUS1.4310
	Seal: NBR
	Magnet: barium

FSH-10-Selection composition

Selection example **FSH-10** **A** **F** **H** **R** **N** **U** **X**

1 2 3 4 5 6 7

1.Threaded connection	A	G1/4
	B	G3/8
	C	G1/2
	D	G3/4
	E	G1
2.Connection form	F	Internal thread
3.Power source	H	DC power supply 24V+20%DC
	I	AC power supply 230V±15%AC
4.Shell material	G	Plastic case
	Q	Anodized aluminum case
	R	Stainless steel case
5.Set range	N	0.6..8L/min
	O	1..15L/min
	P	2...25L/min
	Q	27...70L/min
6.Electrical interface	U	M12 connector
7.Switching output point	X	1 switch point output
	Y	2 switch points output

Note:

1. Please indicate the media flow direction, media type, pipe diameter and expected setting value when ordering. We can help you complete the Settings at the factory
2. If it is a viscous medium, please indicate the viscosity, temperature and type of medium.
3. If it is gas medium, please indicate the pressure "gauge pressure/absolute pressure", temperature and medium type.

Instructions:

FSH-10 type piston flow switch threaded connection G1/4, connection form internal thread, DC power supply 24V+20%DC, housing material stainless steel housing, setting range 0.6... 8L/min, electrical interface M12 connector, 1 switch point output.

Product certification

Compliance and approval; Ludwig piston flow switches meet key standards and certifications for process measurement technology; Thus guaranteeing the highest reliability in such Settings;