



The principle of structure

In-line mounting, mechanical flow switch for liquid or gaseous media. Sturdy plastic, aluminum or stainless steel case is optional. Minimal PRESSURE LOSS, GOOD REPEATABILITY, stain resistance, mechanical and electronic parts are completely isolated, suitable for low flow economy. With switch setting scale, users do not need to set on site. LED display switch status, double switch output is available.

application

Gas-liquid dual purpose, industrial automation/mechanical equipment/air compression industry/refrigeration and air conditioning

Technical parameters

Set the range : See parameter table for details.

precision : $\pm 5\%$ Total range

hysteresis : Depending on switch point, minimum 0.6L/Min

Switch setting scale : Calibration is carried out in water medium, temperature 20 ° C, horizontal installation state. Installation position, medium and temperature changes will slightly affect the switch value

LED display: Dc power LED display switch status, AC no LED

displayConnection mode: M12 connectors

The output: Spring switch, capacity 24VDC/250VAC,100mA

pressure: 10bar(plastic), 50bar (Aluminum), 100bar (stainless steel)

Mean pressure loss: 0.3bar (in25L/min)

Medium temperature: Maximum 100 ° C

Protection grade: IP65

FW20...S The material: The shell: POM plastic The piston:POM

spring: Stainless steel Plastic seal: NBR

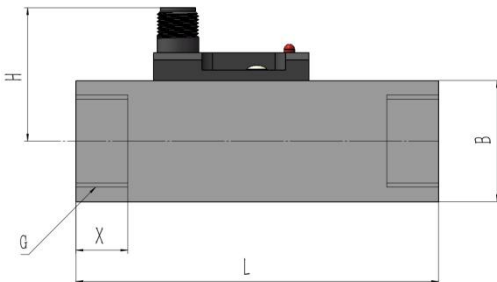
FW20...L The material: The shell: Anodic aluminium oxide The piston: POM plastic

Spring: Stainless steel seal: NBR

FW20...X The material: Case: stainless steel The piston: POM plastic

Spring: Stainless steel seal: NBR

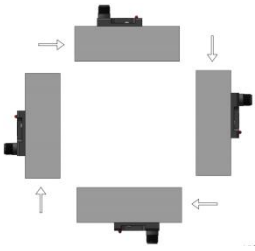
Size chart



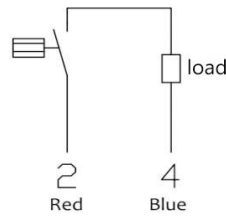
Parameter table

model	pressure bar	Maximum flow L/min(water)	The adjustable rangeflow L/min(water)	G mm	L mm	H mm	B mm	X mm	The weight of the Kg
FW20-008...L(X)008	50	40	0.6(0.1)...8(7)	G1/4	93	36	30	12	0.22(0.53)
FW20-010...L(X)008	50	40	0.6(0.1)...8(7)	G3/8	93	36	30	15	0.20(0.51)
FW20-015...L(X)008	50	40	0.6(0.1)...8(7)	G1/2	93	36	30	15	0.18(0.48)
FW20-020...L(X)008	50	40	0.6(0.1)...8(7)	G3/4	105	38.5	35	15	0.23(0.65)
FW20-025...L(X)008	50	40	0.6(0.1)...8(7)	G1	105	41	40	15	0.32(0.82)
FW20-008...L(X)015	50	40	1(0.5)...15(13)	G1/4	93	36	30	12	0.22(0.53)
FW20-010...L(X)015	50	40	1(0.5)...15(13)	G3/8	93	36	30	15	0.20(0.51)
FW20-015...L(X)015	50	40	1(0.5)...15(13)	G1/2	93	36	30	15	0.18(0.48)
FW20-020...L(X)015	50	40	1(0.5)...15(13)	G3/4	105	38.5	35	15	0.23(0.65)
FW20-025...L(X)015	50	40	1(0.5)...15(13)	G1	105	41	40	15	0.32(0.82)
FW20-015...L(X)025	50	40	2(0.8)...25(25)	G1/2	93	36	30	15	0.18(0.48)
FW20-020...L(X)025	50	40	2(0.8)...25(25)	G3/4	105	36	35	15	0.23(0.65)
FW20-025...L(X)025	50	40	2(0.8)...25(25)	G1	105	36	40	15	0.32(0.82)
FW20-020...L(X)070	50	100	27(21)...70(66)	G3/4	105	38.5	35	15	0.23(0.65)
FW20-025...L(X)070	50	100	27(21)...70(66)	G1	105	41	40	15	0.32(0.82)

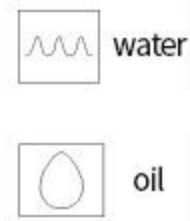
The installation



The wiring diagram



Applicable medium



Selection table

FW20-	008	G	D	L	015	M	1	
FW20-								FW20 series piston type flow switch
	008							The screw thread interfaceG1/4
	010							The screw thread interfaceG3/8
	015							The screw thread interfaceG1/2
	020							The screw thread interfaceG3/4
	025							The screw thread interfaceG1
		G						Internal thread
			D					Dc power supply24V ± 20%DC
			J					Ac power supply230V ± 15%AC
				S				Plastic shell
				L				Anodized aluminum shell
				X				Stainless steel housing
					008			Set the range : 0.6...8L/min
					015			Set the range : 1...15L/min
					025			Set the range:2...25L/min
					040			Set the range: 5...40L/min
					070			Set the range: 27...70L/min
						M		M12connectors
						Z		Directly attached to the line
							1	1 switch point output
							2	2 switch points output

1. Please specify medium flow direction, medium type, pipe diameter and expected value when ordering. We can help you complete the Settings at the factory.

2. If GAS medium, please specify PRESSURE (GAUGE/ABSOLUTE), TEMPERATURE AND TYPE OF MEDIUM.

3. Special thread connection, flow setting, can be customized.