



**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.

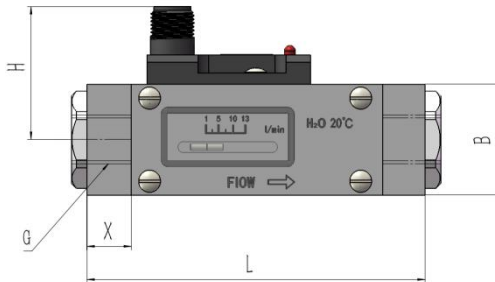
**application**

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: 5% of the total range
- ◆ Hysteresis: depends on switch point, minimum 0.6L/Min
- ◆ Switch setting scale: It is calibrated when the medium is water, the temperature is 20°C, and the level is installed. Installation position, medium and temperature changes will slightly affect the switch value
- ◆ LED display: Dc power LED display switch status, AC no LED display
- ◆ Connection mode: M12 connectors
- ◆ The output: Spring switch, capacity 24VDC/250VAC,100mA
- ◆ pressure: 10bar(plastic),50bar(Aluminum), 100bar(stainless steel)
- ◆ Mean pressure loss: 0.3bar (在 25L/min)
- ◆ Medium temperature:Maximum 90 ° C
- ◆ Protection class:IP65
- ◆ FW21... L material:Case: anodized aluminum
- ◆ FW21... S material: Piston: POM Plastic spring: stainless steel
- ◆ Shell: POM plastic
- ◆ Piston: POM plastic
- ◆ Spring: Stainless steelMaximum 90 ° C Seal: NBR
- ◆ seal: NBR

**Size chart**



**Parameter table**

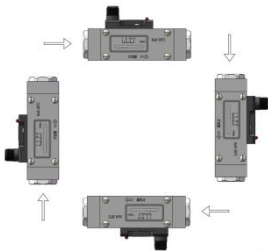
model	pressure Bar	Maximum flow L/min	The adjustable range L/min (水)	G mm	L mm	H mm	B mm	X mm
FW21-008··L(X)008...	50	40	0.6(0.1)··8(7)	G1/4	93	36	30	12
FW21-010··L(X)008...	50	40	0.6(0.1)··8(7)	G3/8	93	36	30	15
FW21-015··L(X)008...	50	40	0.6(0.1)··8(7)	G1/2	93	36	30	15
FW21··020··L(X)008...	50	40	0.6(0.1)··8(7)	G3/4	105	38.5	35	15
FW21··025··L(X)008...	50	40	0.6(0.1)··8(7)	G1	105	41	40	15
FW21··008··L(X)015...	50	40	1(0.5)··15(13)	G1/4	93	36	30	12
FW21··010··L(X)015...	50	40	1(0.5)··15(13)	G3/8	93	36	30	15
FW21··015··L(X)015...	50	40	1(0.5)··15(13)	G1/2	93	36	30	15
FW21··020··L(X)015...	50	40	1(0.5)··15(13)	G3/4	105	38.5	35	15
FW21··025··L(X)015...	50	40	1(0.5)··15(13)	G1	105	41	40	15
FW21··015··L(X)025...	50	40	2(0.8)··25(25)	G1/2	93	36	30	15
FW21··020··L(C)025...	50	40	2(0.8)··25(25)	G3/4	105	36	35	15
FW21··025··L(X)025...	50	40	2(0.8)··25(25)	G1	105	36	40	15
FW21··020··L(X)070...	50	40	27(21)··70(66)	G3/4	105	38.5	35	15
FW21··025··L(x)070...	50	40	27(21)··70(66)	G1	106	41	40	15

Selection table

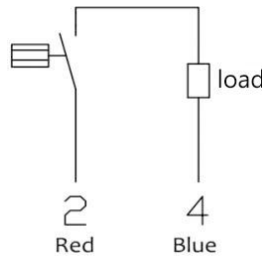
FW21-	008	G	D	L	015	M	1	
FW21-								FW21 series field display type piston type flow switch
	008							The screw thread interfaceG1/4
	010							The screw thread interfaceG3/8
	015							The screw thread interfaceG1/2
	020							The screw thread interfaceG3/4
	025							The screw thread interfaceG1
		G						Internal thread
			D					Dc power supply24V±20%DC
			J					Ac power supply230%V±15%AC
				S				Plastic shell
				L				Anodized aluminium 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
					070			Set the range: 27~70L/min
						M		M12 connectors
							Z	Directly attached to the line
							1	1 switch point output

- 1.Please specify medium flow direction, medium type, pipe diameter and expected setting value. We can set it for you before leaving 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

The installation



The wiring diagram



Applicable medium

