



### principle characteristics

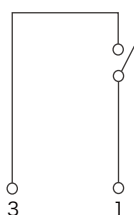
The QKB110 piston flow switch contains a magnetic piston with a precise spring support inside that pushes the piston backward, and the magnetic piston triggers an external micro switch or spring tube. Optional pointer flowmeter head to display instantaneous flow rate. Optional digital flowmeter head to display instantaneous flow. Output analog or high switching model.

The inner part is all-metal structure, optional pointer flow switch, with high reliability and repeatability, complete isolation between mechanical part and electronic part, high voltage, normally open output, large contact capacity, temperature and pressure compensation.

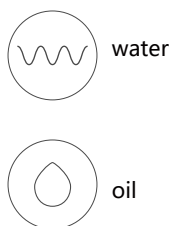
### product application

- hydraulic
- lubrication
- circulatory system

### wiring diagram



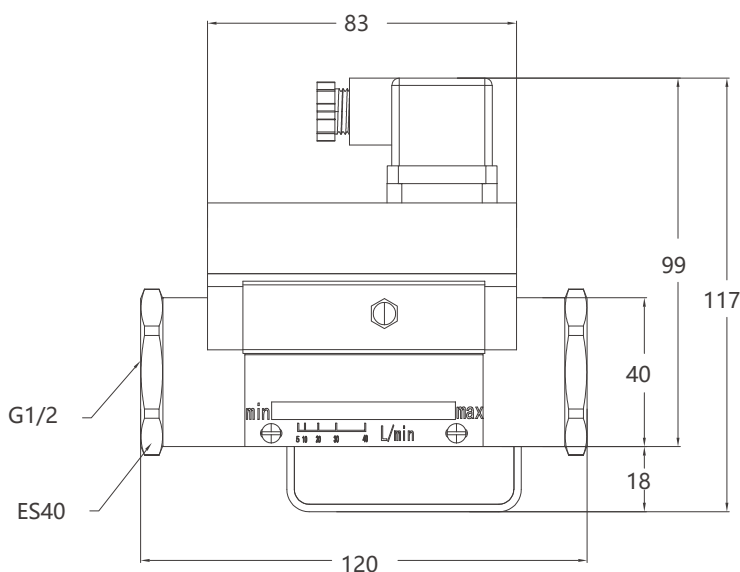
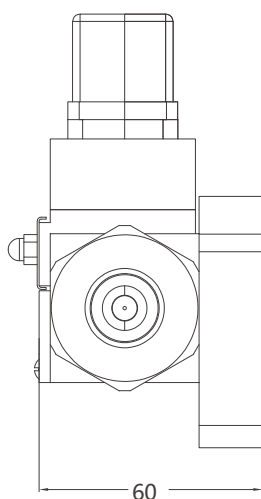
### Applicable medium



### Technical parameters

- ◇ Test medium: liquid
- ◇ Repeatability:  $\leq \pm 3\%$  range
- ◇ Pressure: 200bar (stainless steel), 100bar (brass)
- ◇ Output mode: normally open and closed
- ◇ Switching capacity: 240Vac/110Vdc, 1.5A
- ◇ Ambient temperature: -20... 70°C
- ◇ Material:
  - Electronic enclosure: PC
  - Switch housing: stainless steel/brass plated with nickel
  - Spring: stainless steel
- ◇ Protection level: IP65
- ◇ Outgoing mode: M12\*1

### Size chart (mm)



Parameter table

G	PN (bar)	Maximum flow (L/min)	Switch setting range (L/min)		weight (kg)
G 1/4	200	10	0.8...5	-	1.4
G 3/8	200	20	0.8...5	2...12	1.4
G 1/2	200	40	2...12	3...30	1.3
G 3/4	200	60	3...30	5...40	1.3
G 1	200	80	5...40	6...60	1.2

Selection table

QKN110 -	G 14K	DC	T	005	M	detailed
QKB110						FC110 Pointer piston flow switch
	G 14K					screw thread interface G 1/4 Internal thread
	G 38K					screw thread interface G 3/8 Internal thread
	G 12K					screw thread interface G 1/2 Internal thread
	G 34K					screw thread interface G 3/4 Internal thread
	G 1K					screw thread interface G 1 Internal thread
		DC				Dc power supply 24V±20 DC
		AC				Ac power supply 230V±15 AC
			T			Brass nickel-plated case
			S			Stainless steel case
				005		setting range: 0.8... 5L/min
				012		setting range: 2... 12L/min
				040		setting range: 5... 40L/min
				060		setting range: 6... 60L/min
					M	Hersman joint

1. When ordering, please indicate medium flow direction, medium type, pipe diameter and expected setting value. We can help you to complete the setting before delivery.
2. If it is a gaseous medium, please indicate the pressure (gauge pressure/absolute pressure), temperature and type of medium.