



principle characteristics

On-line mounting, mechanical flow switch, for liquid or gaseous media. Sturdy plastic, aluminum or stainless steel case is optional. Minimal pressure loss, good repeatability, pollution resistance, complete isolation of mechanical and electronic parts, suitable for small flow economy. With switch setting scale, users do not need to set on site. LED display switch status, double switch output is available.

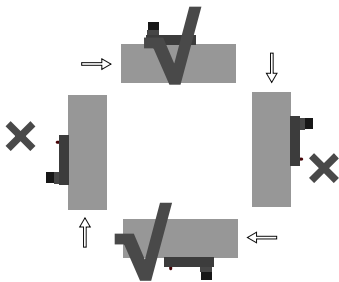
product application

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

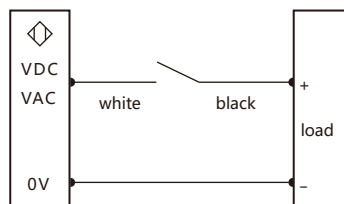
Technical parameters

◇ setting range: see the parameter table for details	◇Average pressure loss: 0.3bar (at 25L/min)
◇ Accuracy: 5% total range	◇Medium temperature: maximum 90°C
◇ hysteresis: at least 0.6l /Min depending on the switching point	◇Protection level: IP67
◇ switch setting scale: is in the medium of water, temperature 20°C, horizontal installation state into the line calibration.	◇QKB220...P Material: shell: POM plastic piston: POM plastic Spring: stainless steel seal: NBR
Installation location, medium and temperature changes will slightly affect the on - off value	◇QKB220... L Material: shell: anodized alumina piston: POM plastic Spring: stainless steel seal: NBR
◇ LED display: dc power LED display switch status, ac no LED display	◇QKB220... S material: case: stainless steel piston: POM plastic Spring: stainless steel seal: NBR
◇ wiring mode: M12 connector	
◇ Output: dry reed switch, capacity 24VDC/250VAC,100mA	
◇ Pressure: 10bar(plastic),50bar(aluminum), 100bar(stainless steel)	

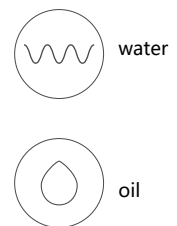
Installation drawing



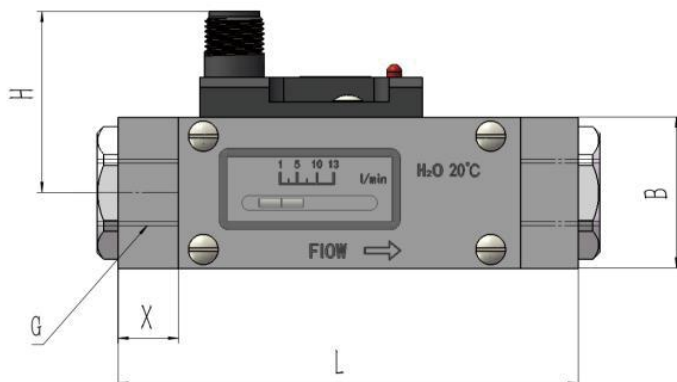
wiring diagram



Applicable medium



Size chart (mm)



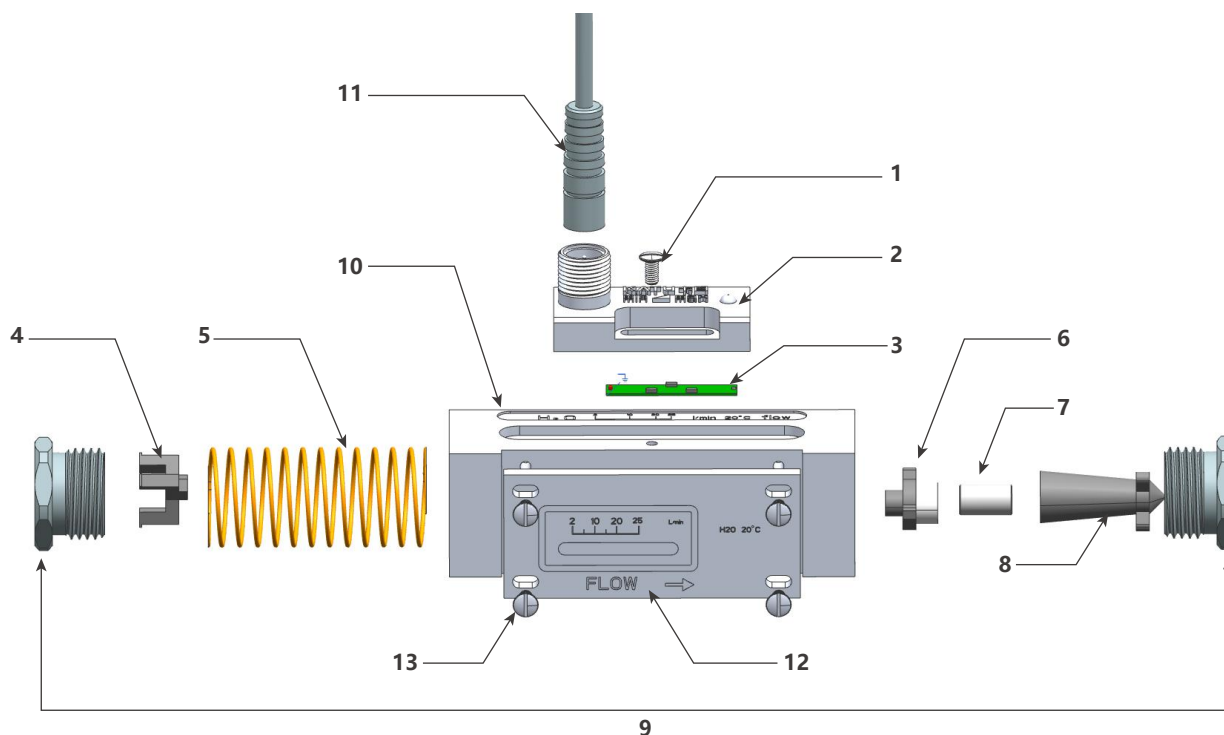
Parameter table

Mode	pressure Bar	Maximum discharge L/min	Adjustable range L/min (water)	G mm	L mm	H mm	B mm	X mm
QKB220-G1/4K...L(S)008...	50	40	0.6(0.1)...8(7)	G1/4	93	36	30	12
QKB220-G3/8K...L(S)008...	50	40	0.6(0.1)...8(7)	G3/8	93	36	30	15
QKB220-G1/2K...L(S)008...	50	40	0.6(0.1)...8(7)	G1/2	93	36	30	15
QKB220-G3/4K...L(S)008...	50	40	0.6(0.1)...8(7)	G3/4	105	38.5	35	15
QKB220-G1K...L(S)008...	50	40	0.6(0.1)...8(7)	G1	105	41	40	15
QKB220-G1/4K...L(S)015...	50	40	1(0.5)...15(13)	G1/4	93	36	30	12
QKB220-G3/8K...L(S)015...	50	40	1(0.5)...15(13)	G3/8	93	36	30	15
QKB220-G1/2K...L(S)015...	50	40	1(0.5)...15(13)	G1/2	93	36	30	15
QKB220-G3/4K...L(S)015...	50	40	1(0.5)...15(13)	G3/4	105	38.5	35	15
QKB220-G1K...L(S)015...	50	40	1(0.5)...15(13)	G1	105	41	40	15
QKB220-G1/2K...L(S)025...	50	40	2(0.8)...25(25)	G1/2	93	36	30	15
QKB220-G3/4K...L(S)025...	50	40	2(0.8)...25(25)	G3/4	105	36	35	15
QKB220-G1K...L(S)025...	50	40	2(0.8)...25(25)	G1	105	36	40	15
QKB220-G3/4K...L(S)070...	50	40	27(21)...70(66)	G3/4	105	38.5	35	15
QKB220-G1K...L(S)070...	50	40	27(21)...70(66)	G1	106	41	40	15

Selection table

QKB220-	G14K	DC	L	015	M	1	expatiate
QKB220-							QKB220 Series field display type piston flow switch
	G14K						Thread connection G1/4 internal thread
	G38K						Threaded connection G3/8 internal thread
	G12K						Threaded connection G1/2 internal thread
	G34K						Threaded connection G3/4 internal thread
	G1K						Thread connection G1 internal thread
		DC					DC power supply 24V±20 DC
		AC					AC power supply 230 V±15 AC
			P				POM plastic housing
			L				Anodized aluminum case
			S				Stainless steel case
				008			Setting range: 0.6... 8L/min
				015			Set range: 1... 15L/min
				025			Set range: 2... 25L/min
				070			Set range: 27... 70L/min
					M		M12 connector
					Z		Direct attachment
						1	1 switch point output
						2	2 switch points output

Explosive resolution diagram



S/N	instructions	S/N	instructions
1	Set screw	8	Piston front cover
2	Switch housing	9	Process connection
3	Switching unit	10	Switch body
4	Spring stay	11	Aerial cable
5	spring	12	Display panel
6	Piston cap	13	Display panel mounting screws
7	magnet		

Optional accessories - electrical accessories

name	Outline drawing/dimension drawing (mm)	material	model
M12*1-5Pin (2m cable)		PUR	ZL05-PU02G
M12*1-5Pin (5m cable)			ZL05-PU05G
M12*1-5Pin (10m cable)			ZL05-PU010G
M12*1-5Pin (2m cable)		PVC	ZL05-PC02G
M12*1-5Pin (5m cable)			ZL05-PC05G
M12*1-5Pin (10m cable)			ZL05-PC010G
M12*1-5Pin (2m cable)		PUR	ZL05-PU02W
M12*1-5Pin (5m cable)			ZL05-PU05W
M12*1-5Pin (10m cable)			ZL05-PU010W
M12*1-5Pin (2m cable)		PVC	ZL05-PC02W
M12*1-5Pin (5m cable)			ZL05-PC05W
M12*1-5Pin (10m cable)			ZL05-PC010W

M12* 1-4pin /5Pin self-connector/size drawing (mm)	model
	GL04 (4Pin joint)
	GL05 (5Pin joint)
	WL04 (4Pin joint)
	WL05 (5Pin joint)