



210.906441K



210...



236...

new



604.9000000

Flow sensors for liquid medium

Huba Control flow sensors are based on the Karman Vortex trail principle and are available in various options. No moving parts, the flow sensor is not sensitive to debris with marginal pressure loss combined with high accuracy.

- Measuring principle: Vortex - Piezoelectric sensor element
- Excellent media resistance: Measuring element not in contact with the media
- Drinking water approval: KTW, W270, WRAS, ACS
- Accuracy at < 50% fs: < 1 % fs (>50% - 2% measuring value)
- Flow medium: Heating water with standard additives, drinking water
- Medium temperature: < +125 °C
- Flow pipe connection: External thread K connection G½ ... G1¼" (others on request)
- Electrical connection: M12 x 1 - 3 pin (supplied separately - see page K-27 / 28)
- Material: Fibreglass-reinforced plastic, sensor paddle ETFE
- Protection class: (IP65)

type	nominal diameter	measuring range (l/min)	power supply	output DC ²⁾	description	connect
------	------------------	-------------------------	--------------	-------------------------	-------------	---------

Type 210 - Fibreglass-reinforced plastic PA6T/6I (40% GF)

Type 210 flow sensor for liquid media

210.906441K	DN 6	0.5 ... 10	8 - 33 VDC	4 - 20 mA	flow sensor	G ½"
210.908441K	DN 8	0.9 ... 15	8 - 33 VDC	4 - 20 mA	flow sensor	G ½"
210.910441K	DN 10	1.8 ... 32	8 - 33 VDC	4 - 20 mA	flow sensor	G ½"
210.915441K	DN 15	3.5 ... 50	8 - 33 VDC	4 - 20 mA	flow sensor	G ¾"
210.920441K	DN 20	5.0 ... 85	8 - 33 VDC	4 - 20 mA	flow sensor	G 1"
210.925441K	DN 25	9.0 ... 150	8 - 33 VDC	4 - 20 mA	flow sensor	G 1¼"

²⁾ other outputs available on request 0 - 10V, Frequency square pulse output
Above flow switches can be provided with additional internal PT1000 temperature sensor

Type 236 - Brass bodied flow sensors

The Type 236 is based on the Type 210 but incorporates a brass housing. The vortex sensor has a rugged construction of brass connection.

- Brass (CuZn40PbZ), PA6T/6I (40% GF)

Type 236 Brass bodied flow sensors

236.910441K	DN 10	1.8 ... 32	8 - 33 VDC	4 - 20 mA	flow sensor	G ½"
236.911441K	DN 10	2.0 ... 40	8 - 33 VDC	4 - 20 mA	flow sensor	G ½"
236.932441K	DN 32	14 ... 240	8 - 33 VDC	4 - 20 mA	flow sensor	G 1½"

Above flow switches can be provided with additional internal PT1000 temperature sensor.
For M12 connectors and cables see page K- 27 / 28

Type 604 - Mechanical pressure switches

Type 604 pressure switch is used as a Δp flow switch in ventilation ducts for the control of filters and fans in primary and secondary control systems for the control of air dampers. Ideally suited to protect heating coils from overheating and for monitoring industrial air cooling circuits.

- Easy to install, user friendly snap cover
- Case geometry permits easy cable entry - cable strain relief integrated
- Supplied with Combi-bracket for vertical or horizontal installation
- For ventilation and air conditioning plants (monitor differential pressure under/over pressure)
- To monitor air filters and air flow

- Medium: Air and neutral gases -30 ... +85 °C
- Electrical contact: 1 x changeover contact - 5A 250 VAC (resistive)
- Protection class: (IP54) (with cover)
- Conformity: EN 61326-2-3, EN 60730-1

type	pressure range ¹⁾ mbar	Pa	switch	electrical connection ³⁾	description	pressure connection ⁴⁾
------	-----------------------------------	----	--------	-------------------------------------	-------------	-----------------------------------

Type 604 - Mechanical pressure switch (H) 52 x (Ø) 81

- Tolerable overload on one side: 50 mbar
- Pressure connection: PVC nipples - Ø6.2 mm

604.9000000	0.2 ... 3	20 ... 300	1 ch/over	screw term.	pressure switch	Ø6.2 mm
604.9100000	0.5 ... 5	50 ... 500	1 ch/over	screw term.	pressure switch	Ø6.2 mm
604.9200000	1 ... 10	100 ... 1000	1 ch/over	screw term.	pressure switch	Ø6.2 mm
604.9400000	5... 20	500 ... 2000	1 ch/over	screw term.	pressure switch	Ø6.2 mm
604.9500000	10... 50	1000 ... 5000	1 ch/over	screw term.	pressure switch	Ø6.2 mm

Note: Other pressure ranges available on request

Accessories for type 604 above

- 104312 connection kit for vent duct (metal) 90° angled - including 2 m long tube
- 100064 connection kit for vent duct (plastic) straight - including 2 m long tube