



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

Measuring element not in contact with the media · Excellent media resistance:

· Drinking water approval: KTW, W270, WRAS, ACS

• Accuracy at < 50% fs: < 1 % fs (>50% - 2% measuring value)

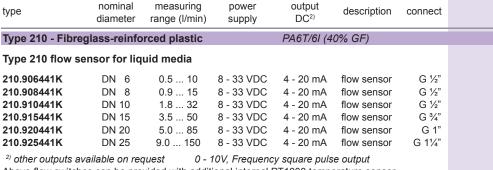
· Flow medium: Heating water with standard additives, drinking water

 Medium temperature: < +125 °C

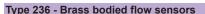
· Flow pipe connection: External thread K connection G1/2 ... G11/4" (others on request) • Electrical connection: M12 x 1 - 3 pin (supplied separately - see page K-27 / 28)

· Material: Fibreglass-reinforced plastic, sensor paddle ETFE

· Protection class: (IP65)



Above flow switches can be provided with additional internal PT1000 temperature sensor



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	d flow sensors	3			
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 ∆p 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)

EN 61326-2-3, EN 60730-1 - Conformity:

type	pressure r	pressure range ¹⁾		electrical	description	pressure
	mbar	Pa	switch	connection3)	description	connection4)

Type 604 - Mechanical pressure switch

(H) 52 x (Ø) 81

· Tolerable overload on one side: 50 mbar

PVC nipples - Ø6.2 mm · Pressure connection:

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





