

MECHANICAL PRESSURE SWITCHES - DIFFERENTIAL PRESSURE SWITCHES

Pressure Diagram

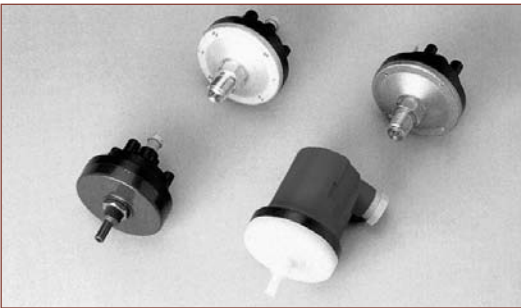


Optimized diaphragm geometries Technology of Huba Control.

Huba Control has over 40 years experience in the conception of diaphragm geometries.

The optimized construction of polymer diaphragms produces high long term stability, and excellent reproducibility of switching points, acting in synergy with their own in house developed contact systems.

TYPE 620 / 625



Pressure -900 mbar to 6 bar

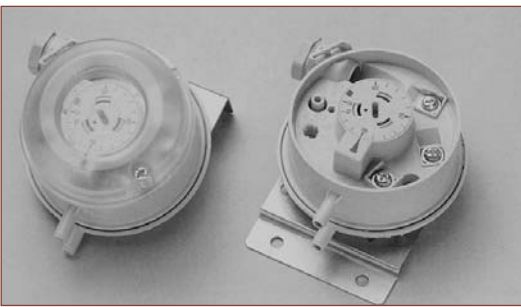
Switch with 13 pressure ranges for liquids and gases. Pressure case plastic, brass aluminum. Diaphragms NBR-based, Viton, EPDM, silicone.

Very high precision through finely tuned measurement stages and high long-term stability. Rugged design and specially suitable for use in general industrial equipment construction, process technology and food automation.

Lowest cut-in pressure	2 mbar
Smallest switching differential	1 mbar

Repeatability	$\pm 5\%$ of the switching point, diaphragm material NBR, silicon, but as a min. ± 0.3 mbar
	$\pm 10\%$ of the switching point, diaphragm material Viton, EPDM, but as a min. ± 0.6 mbar

TYPE 604



Pressure, Differential Pressure 0.2 to 50 mbar

The ideal pressure switch to control air flows in air conditioning and ventilation systems as well as in industrial air circles. This product range which is classified in 5 pressure ranges and fascinates with its extremely easy installation possibilities as combi-bracket, screw terminals, multilayer contacts. Unique is the high adjustment accuracy because of the individual scale engraving per switch.

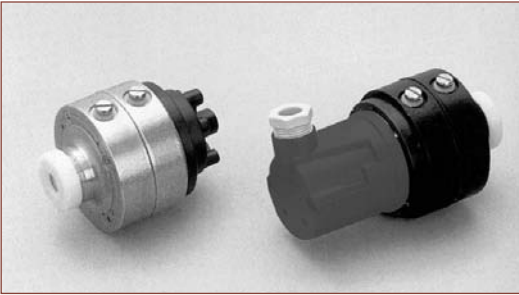
Switching capacity

Suitable for DDC as gold plated	5 A 250 VAC
	2 A 30 VAC

Repeatability $< \pm 0,025$ mbar
In the ranges 0,2 to 3 mbar

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TYPE 630



Pressure, Differential Pressure 6 to 1000 mbar

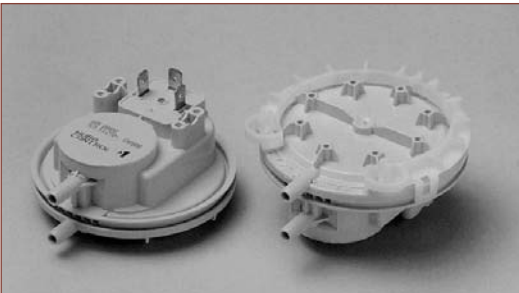
Switch with high overpressure safety margin (10/20 bar) on P1 and P2.

Specially suitable for flow monitoring in sanitary heating systems.

Lowest cut-in pressure	6 mbar
Smallest switching difference	3 mbar

Repeatability	$\pm 5\%$ of the switching point, diaphragm material NBR, silicon, but as a min. ± 0.4 mbar
	$\pm 10\%$ of the switching point, diaphragm material Viton, EPDM, but as a min. ± 0.8 mbar

TYPE 605



Pressure, Differential Pressure 20 to 400 Pascal

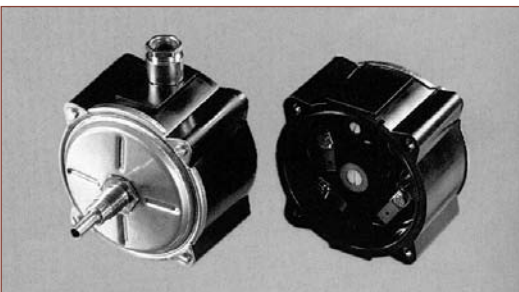
The differential pressure switches TYPE 605 are especially developed for the use in gas-fired heating systems. There are more than 10 Million switches worldwide in use, produced on a fully automatic production line.

High reliability, adjustment accuracy and reproducibility are their substantial characteristics.

Lowest cut-in pressure	20 Pa
Smallest switching difference	8 Pa

Repeatability	$< \pm 1$ Pa
Ambient temperature admissible	110°C
Version differentiation	with colour coding, customer specific possible

TYPE 610



Pressure, Differential Pressure -320 to +500 mbar

Switch with 17 pressure ranges for neutral liquids and gases. Duroplast pressure case with nickel-plated brass or sheet steel base. Diaphragms NBR-based, Viton, EPDM, silicone.

Exemplary switching point accuracy at high pressures. Ideal for use in general machine building and industrial equipment construction and process technology.

Lowest cut-in pressure	1 mbar
Smallest switching difference	0.5 mbar

Repeatability	$< \pm 0.1$ mbar
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