

WSZ\_PD600DGC - 05/04



## differential pressure gauges

diámetros: 112mm (standard),  
150mm (flange on request)  
modelo: 600 DGR

- Magnetic gauge & gauge + switch
- Differential pressure as low as 25 mm of water
- Smooth pointer motion
- Switch can be added anytime



Magnetic instrument is designed for use in air handling units, pharmaceutical and medical equipments and HVAC. It also finds applications in level, flow and filter resistance measurement. It is compact, lightweight, reliable and most important, affordable.

Magnetic is a quality diaphragm instrument. It's engineering polymer body with a stainless steel case and vibration resistant design, makes it rugged. This instrument is suitable for air and other non corrosive gases and fluids,. Its strong magnetic couplin provides consistent performance and smooth pointer movement.

Magnetic has a DP range from 25 to 1250 mm of water. It has in-line as well as back porting. This instrument is available with a switch. A gauge can also be easily upgraded by adding a switch later by the user.

### Applications:

Monitor air-handling units, Measurement of fan & blower pressure, Monitor condition of the filter on laminar flow devices, Pressure drop across filters, Pressure drops across orifice plate for flow determination, Level measurement, Spinning machines.

## technical specifications

**Body materials:** Engineering polymer.

**Protection:** IP 65 gauge & switch.

**Working pressure:** 35 psi / 2.4 bar.

**Working temperature:** 60 °C / 140 °F máx.

**Differential range:** 25 mm to 1250 mm Wc.

**Seals:** Buna-N, Silicone.

**Porting:** In-line or back (user to select).

**Dial size:** 112 mm standard, 150 mm flange on request.

**Connections:** 1/8" NPT (F).

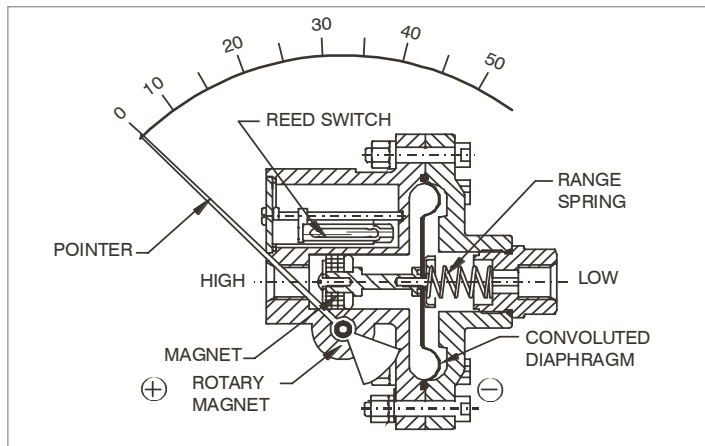
**Switch:** Up to 2 independently Adjustable (40 to 80% of FSR), factory set SPSTs (10VA) or 1 SPDT (5VA) reed switch.

**Weight:** 400gms (approx.).

**Accuracy:** ±3% of FSR (Ascending).

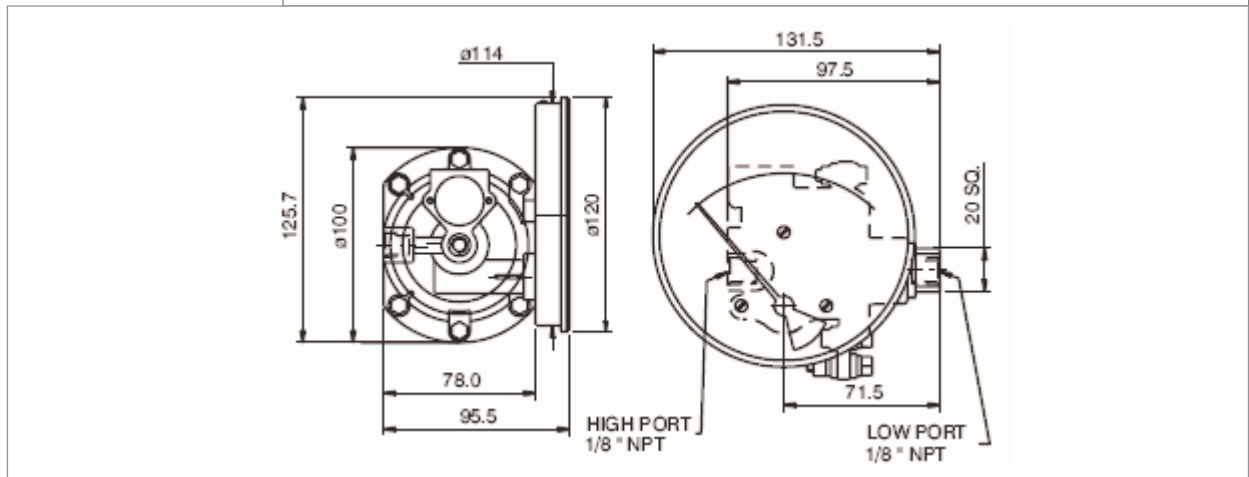
**First marking:** At 15% of the FSR.

## Operating Principle

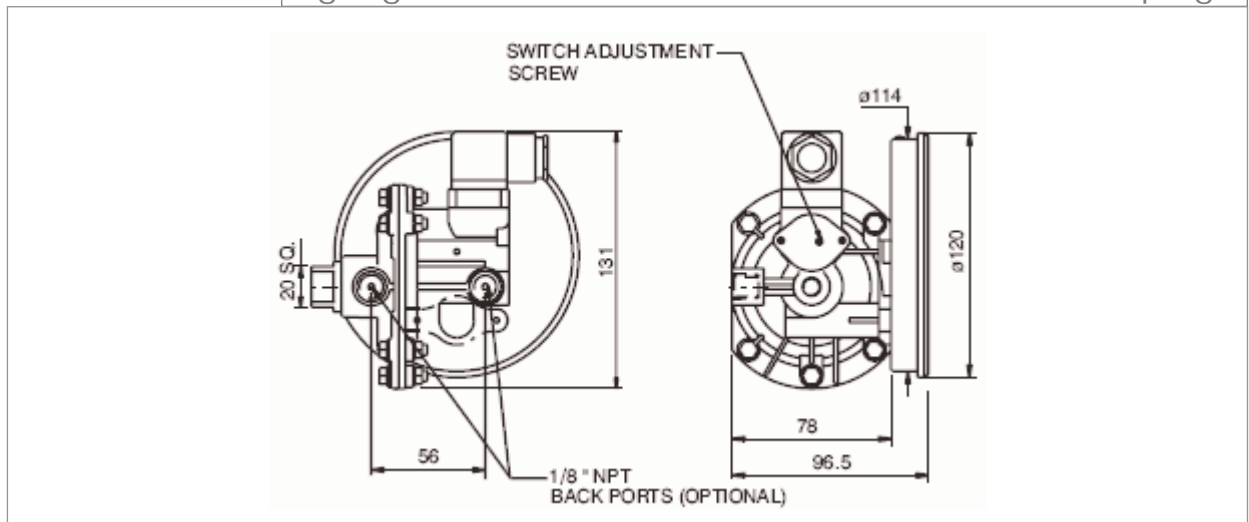


High and Low pressures are separated by a sensor assembly consisting of a magnet, diaphragm and a range spring. The difference in pressure causes the assembly to move in proportion to the change against the range spring. A rotary magnet, located in a separate body compartment and isolated from the acting pressures, is rotated by magnetic coupling as per the linear movement of the sensor assembly. A pointer attached to the rotary magnet indicates differential pressure on the dial.

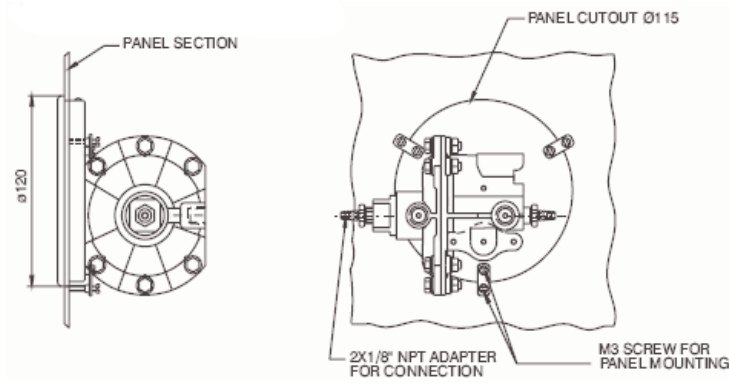
## standard dimensions



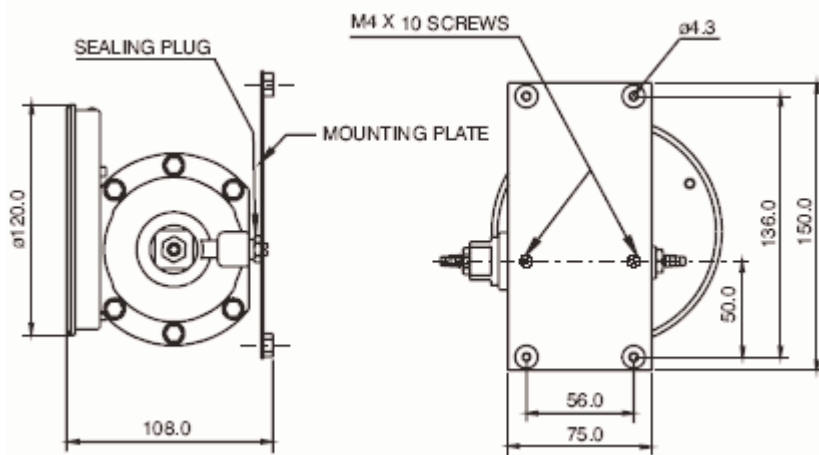
## gauge + switch with reed contacts with a DIN plug



## flush mounting details



## surface mounting details



## Ranges available

Range	Least count
0 - 25mm of water	1.0 mm
0 - 50mm of water	1.0 mm
0 - 75mm of water	2.5 mm
0 - 100mm of water	2.0 mm
0 - 125mm of water	2.5 mm
0 - 150mm of water	3.0 mm
0 - 200mm of water	4.0 mm

Range	Least count
0 - 250mm of water	5.0 mm
0 - 375mm of water	7.5 mm
0 - 500mm of water	10.0 mm
0 - 750mm of water	15.0 mm
0 - 1000mm of water	25.0 mm
0 - 1250mm of water	25.0 mm

Other ranges, units and options are manufactured on request. Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

## options

- Colour band.
- Customer logo.
- Dual scale.

- Units other than mm / Inch of water.
- Surface mounting.