

DIFFERENTIAL PRESSURE GAUGES WITH DIAPHRAGM & BELLOWS

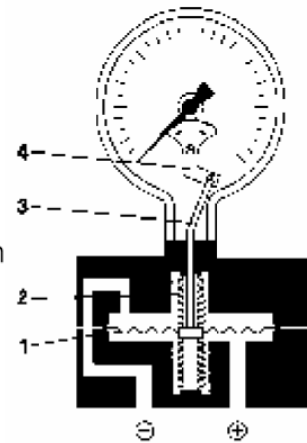
173 series

APPLICATIONS

All stainless steel material is suitable for corrosive media. Used with all liquid and gas process media, provided that these do not corrode stainless steel, do not crystallize and are not highly viscous. Particularly used in measuring flow, indicating levels, detecting clogged filters and etc.



1. Measuring diaphragm
2. Metal bellows
3. Connecting rod
4. Movement



DESCRIPTION

The process medium chambers (+) and (-) are separated by a diaphragm. The difference in pressure between the (+) and (-) in medium chambers deflects the diaphragm. This deflection is transmitted to the pointer via a push rod causing a pointer deflection in proportion to the differential pressure. Metal bellows seal the two pressure chambers off from the gauge case.

SPECIFICATIONS

Dial diameter Ø	4" (100mm) ; 6" (150mm)
Mounting	Bottom connection
Case	Stainless steel 304, IP55
Lens	Glass (safety glass available)
Dial	Aluminum, black and red markings on white background
Measuring principle	Diaphragm and Bellows, stainless steel 316
Movement	Stainless steel
Pointer	Aluminum, black, adjustable pointer optional
Connection	Female thread 1/4" PT(BSPT) / NPT / PF(BSP), stainless steel 316 other thread size available made-to-order
Accuracy	±2.5% F.S. ; ±1.6% F.S. available made-to-order
Temperature limits	medium +100°C ; ambient -25 to +70°C
Static Pressure	6 x ΔP and ≤25 kg/cm ² (bar)
Ranges	0 / 0.1 ~ 0 / 25 kg/cm ² (bar) < other units available >
Optional extras	Electrical contacts 3-way stainless steel manifold (pressure equalizing valve)

HOW TO ORDER (Please specify additionally the special custom-made specifications or option items)

