

Diaphragm Sealed Gauges



Typical Applications

Diaphragm sealed gauges are traditionally used when a standard measuring instrument should not be exposed to the process pressure directly, like viscous, corrosive gases and liquid media in corrosive environment. Diaphragm Sealed gauges typically protect the measuring instruments from one or more damaging aspects of the process media.

Standard Features

Nominal Sizes:

100, 115, 150 and 250mm

Scale Ranges:

0...1.0 to 0...600kg/cm²

Accuracy Class:

±1.0% FSD

Over-Range Protection:

130% of FSD

Pressure Connection:

3/8", 1/2" BSP/NPT Bottom

Liquid Filling:

Dry or filled with Glycerine/Silicon Oil

Enclosure Protection:

IP 65

Mounting:

Bottom or Back Mounting

Special Versions / Optional / Extras:

- + Special Dials (non standard ranges, custom artwork)
- + Alarm Contacts
- + Flanged Process Connection according to DIN or ANSI
- + Special Material for Wetted Parts
- + Special Filling Liquids
- + Special Diaphragm Material (Monel/Hastalloy)
- + Special Material for lower part (")
- + PTFE Coating on Diaphragm/Flange
- + PTFE lining on flanges



Bourdon Tube (Wetted Part) Material:

Copper Alloy/SS 316, Monel

Pointer:

Aluminium Micrometer Zero Adjust

Movement Material:

Copper Alloy

Pressure Element:

Material: Copper Alloy/SS316

< 100kg/cm²: C-type

≥ 100kg/cm²: Coil Type

Window:

Toughened/Safety Glass

Case Material:

Case with integral upper diaphragm housing of Steel

Bezel Ring:

Snap action bayonet type SS OR Screwed

Dial:

White Aluminium with Black Markings

* Specifications may be modified without prior notice. Please contact & confirm before placing order

OPTIMUM ENGINEERING SERVICES

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