

Diaphragm Sealed Gauges

Size Availability:

inches	mm
4.0"	100
4.5"	115
6.0"	150
10"	250



Connection: Bottom (Direct / Surface Mount / with Capillary / with Flange)
Back (LBM / Panel / Bracket / with Capillary / with Flange)

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.

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Standard Features

Nominal Sizes:

100, 115, 150 and 250mm

Scale Ranges:

Pressure from 0...1.0 to 0...600kg/cm²

Accuracy Class:

±1.0% of FSD

Pressure Connection:

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

Mounting:

Bottom Direct, Surface Mount
Lower Back Direct, Panel / Bracket Mount
With Capillary / Flange

Liquid Filling:

Dry / Glycerine / Silicon Oil

Over-Range Protection:

130% of FSD

Enclosure Protection:

IP 55 or IP 65

Special Versions / Optional / Extras:

Special Dials (non std ranges, custom artwork)
Alarm Contacts
Flanged Process Connection per DIN / ANSI
Special Material for Wetted Parts
Special Filling Liquids
Special Diaphragm Material
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:

Alluminium
Micrometer Zero Adjust

Movement Material:

Copper Alloy / SS 304

Pressure Element:

Material: Copper Alloy / SS 316
< 100kg/cm²: C-type
> 100kg/cm²: Coil type

Window:

Toughened / Safety Glass

Case Material:

SS 304 / Die Cast Aluminium

Bezel Ring:

Snap Action Bayonet type SS / Screwed

Dial:

White Aluminium with Black Marking