

Sealed Diaphragm Pressure Gauges

DX Series



DXA Series

Thread End Connection



DXB Series

Flange End Connection



DXC Series

Sealed Diaphragm Gauges operate on the principle of fluid transmission. The diaphragm which is the sensing element transmits the pressure through a system fill fluid typically Silicon Oil which in turn gives the bourdon tube a displacement. These gauges are ideal for viscous, corrosive media.

The gauges are available in both thread end and flange end connections.

Pressure Ranges from 1 bar to 400 bar.

Available in Dial sizes 4" and 6"

Specifications:

Dial Size

4" (100mm), 6" (150mm)

Accuracy

±1.6% F.S.D. (±1% Optional)

Ranges / Scales

All Std. Ranges from 1 bar upto to 400 bar
Vacuum & Compound from -1 upto 25 bar
Std Scales: psi/kg/cm², kg/cm², bar

Case & Ring

SS304 Case and Ring IP65

Socket (Block)

SS316

Bourdon Tube

SS316

Movement

SS304

Top Chamber

SS304 (SS316 optional)

Bottom Chamber

SS316 (SS304 optional)

Diaphragm

SS316 (or SS316 Teflon Coated / Tantalum / Hastelloy C / Titanium)

Internal System Filling Liquid

Silicon Oil Upto 170 deg C

Mounting

Bottom, Back

Joints

Argon Welded

Window

Plexiglass

Pointer

'O' Adjustment Pointer / Micrometer

Connections

3/8" or 1/2" BSP/NPT — for DXA Series

Flange End as per DIN/ASME/BS Stds. — for DXB, DXC Series

OverPressure Limit

1.3 times of Full Scale Pressure

Window Gasket

EPDM

Options:

Glycerin / Silicon Filling

Toughened Glass /Safety Glass/ShatterProof Glass etc.

Silicon Oil (Internal System Fluid) upto 300 deg C

Capillary for Remote Sensing

Teflon Coating for Diaphragm

Teflon Lining for Bottom Chamber/Flange

How to Order / Inquire

Please advise the below

- 1) dial size
- 2) connection
- 3) mounting
- 4) pressure range
- 5) application media
- 6) or any other special requirement

Applications:

Sealed Diaphragm Gauges are suitable for Pharmaceutical, Chemical, Petrochemical, Oil & Gas, Refinery, Paper & Pulp, Sugar, Breweries, Food & Beverages, Cement Industries, etc