DIAPHRAGM SEAL PRESSURE GAUGE
MODEL GX-DS

DATA SHEET

GaugeX
PRECISE AND ACCURATE



Sandwitch Type Threaded Seal



Flush Flange Type



Remote Diaphragm Seal

PRODUCT OVERVIEW:-

The **GaugeX Diaphragm Seal Pressure Gauge** is designed for reliable pressure measurement in applications involving corrosive, viscous, contaminated, crystallizing, or process-sensitive media. The diaphragm seal isolates the pressure-sensing element from the process medium and transmits pressure through a compatible filling fluid.

Types:-

- Threaded diaphragm seal (Welded, Sandwich types)
- Flush diaphragm seal (Flange, Triclover, SMS, Pulp, Homoniger)
- Flanged (Top + Bottom) diaphragm seal
- Remote diaphragm seal with capillary
- Special diaphragm materials for corrosive service
- Custom pressure ranges and process connections

KEY FEAUTURES:-

- Stainless steel construction for industrial applications
- Diaphragm isolation to protect the sensing element
- Suitable for corrosive, viscous and contaminated media
- Available with threaded and flanged diaphragm seal
- Multiple pressure ranges and process connection options
- Direct-mounted or remote-mounted configurations
- Optional glycerin-filled case for vibration-prone applications
- Custom diaphragm and wetted-part materials available
  Bottom / back entry mounting

APPLICATIONS:-

- Chemical and petrochemical industries
- Pharmaceutical and process industries
- Water and wastewater treatment plants
- Pulp, paper and textile industries
- Food and beverage processing, with suitable hygienic design
- Applications involving viscous, corrosive or contaminated fluids

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TECHNICAL DATA SHEET:-	
Parameter	**Specification**
Model/ Type	GX-DS/ Diaphragm Seal Pressure Gauge
Measuring Principle	Bourdon tube with diaphragm seal
Nominal Dial Size	63, 100, 150 mm & other sizes optional
Accuracy	± 1% of FSD
Pressure Range	Vacuum, compound to 600 bar (Custom ranges available)
Process Connection	BSP(M) / NPT(M) / Flanged as specified by client
Mounting	Direct or remote capillary type
Sensing Element	Bourdon Tube (Secondary Element) & Diaphragm (Primary Element)
Case & Bezel Material	SS 304 / SS 316 Snap Action Bayonet Type
Case Filling	Dry / Glycerin filled as required
Wetted parts	SS 316 / SS 316 L/ PTFE Coating/Lined ; other materials optional
Diaphragm Material	SS 316 L or other compatible material
Dial	Aluminum, white background with black markings
Pointer	Aluminum black finish, center zero & micrometer zero adj. pointer
Window	Toughened glass / Acrylic glass / Polycarbonate Hood
Ingress Protection	IP 68
Calibration	Factory calibrated
Application	Process plants, chemical, pharmaceutical, food & beverage, HVAC, oil & gas, utilities
Warranty	12 Months

MODEL DECODIFICATION:-

Brand	Type	Dial Size	Wetted Parts	Mounting	Process Connection
GX	**DS**	**63**	**S6**	**BE**	**2BM**
GaugeX	**Diaphragm Seal Pressure Gauge**	**(63)** 63 mm **(100)** 100 mm **(150)** 150 mm	**(S6)** Bottom–SS 316, Diaphragm–SS 316 **(SL)** Bottom–SS 316L, Diaphragm–SS 316L	**(BE)** Bottom Entry **(BC)** Back Connection **(TC)** Tri-clover **(FL)** Flange Mounting **(Cap)** Capillary	**(4BM)** 1/4" BSP (Male) **(4NM)** 1/4" NPT (Male) **(38BM)**3/8" BSP (Male) **(2BM)** 1/2" BSP (Male) Other & Flange Sizes

EXAMPLE MODEL NUMBER:-

Model No.	Brand	Type	Dial Size	Wetted Parts	Mounting	Connection
GX-DS-100-S6-BE-2BM	GaugeX	Diaphragm Seal PG	100 mm	Bottom–SS 316, Diaphragm–SS 316	Bottom Entry	½" BSP(M)