

All SS Diaphragm Sealed Pressure Gauge Sanitary Process Connection (TC END)



Special Features

- Stainless steel case & measuring system
- Laser welded diaphragm
- Dry or liquid filled
- Diaphragm seal integrally built with gauge.
- Reduces the effect of vibration / pulsation
- Polished diaphragm provides best hygiene factor
- Standard followed en 837-3

Application

- Especially designed for sanitary application
- Pharmaceutical
- Paint industry
- Bacterial & fungal accumulates which contaminate the process are eliminated
- The mirror finishing of the components assures the best hygiene.

Specifications

Standard Version : 50 mm, 63 mm & 100mm

Accuracy	:	±1.6% of F.S.
Ambient temperature	:	10 to 60°C
Process temperature	:	10 to 150°C
Operating pressure range	:	75% of Scale Value
Over pressure limit	:	130% of Scale Value
Case & Bezel	:	AISI 304 SS (Polished) (Bayonet Type)
Socket	:	AISI 316 SS
Bourdon	:	AISI 316L SS
Movement	:	AISI 304 SS
Body	:	AISI 316 SS
Joints	:	Tig Argon Arc Welding
Diaphragm	:	AISI 316L SS (Polished) Laser Welded
Sanitary Seal	:	Standard 1-1/2" size in AISI 316 SS (Without clamp, Gasket & Mating part) Other Size Optional
Protection	:	IP 68
Dial	:	Aluminum, black graduation on white background
Pointer	:	Aluminum, black coloured, fixed
Window	:	Toughened Glass
Gasket	:	Silicon rubber
Filling Plug	:	Neoprene
Sealing Fluid	:	Glycerin

Dry but fillable version (option DFG)

Fillable Dampening Liquid	:	Glycerine 99.7%
Ambient Temperature	:	Maximum 65°C
Process Temperature	:	Maximum 65°C
Other Features	:	Refer Specification of Standard Version

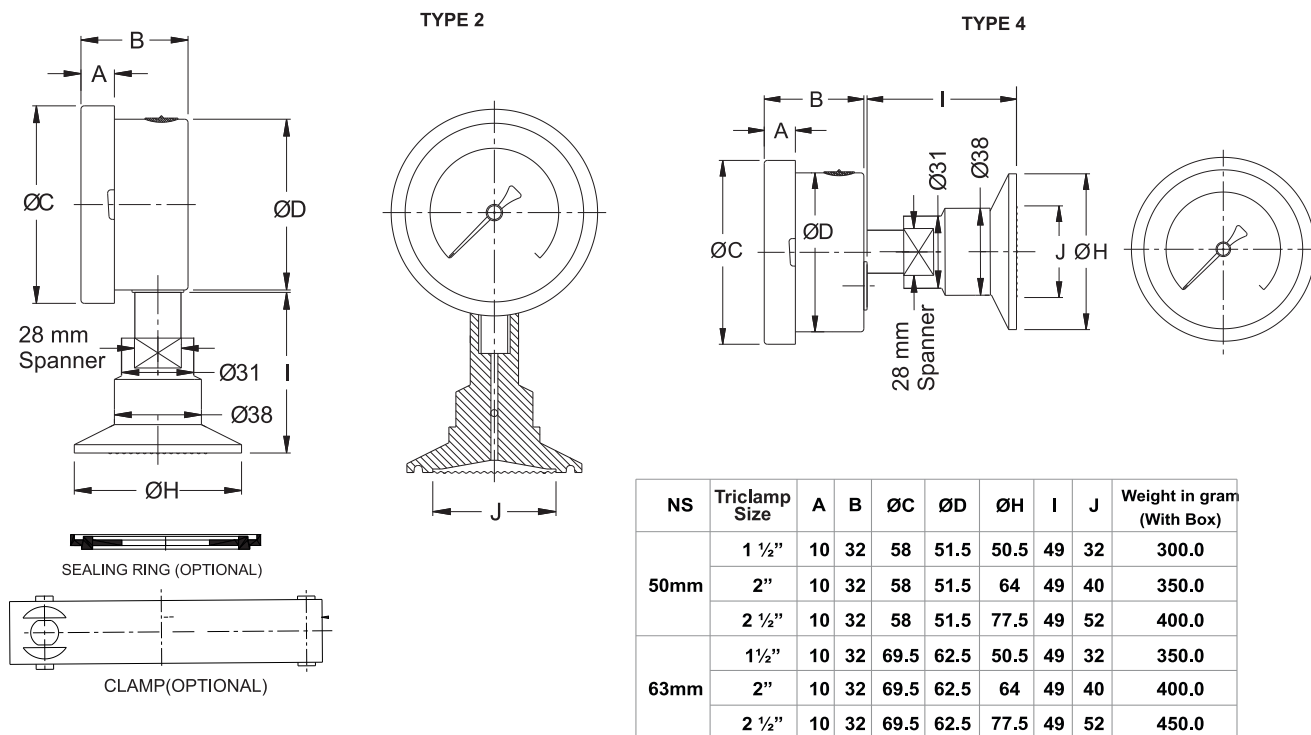
Glycerine filled version (option LGF)

Accuracy	:	±1.6% of F. S.
Process Temperature	:	Maximum 65°C
Ambient Temperature	:	Maximum 65°C
Window	:	Toughened Glass
Dampening Liquids	:	Glycerine 99.7%
Other Features	:	Refer Specification of Standard Version

Temperature effect :

The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :- Formula : $\pm 0.08 \times (t_2 - t_1) \% \text{ of F. S.}$ where t_1 = reference temperature (+20°C) and t_2 = ambient temperature in °C.

Dimensions - Standard Version



Notes : • Drawings are not to scale. • All Dimensions are in mm. • NS = Nominal Size.

Range Table

Note : We offer National / International Scales like kPa, MPa, bar, psi, kg/cm² & Dual Scale like kPa with psi, kPa with bar, bar with psi or Equivalent scales as per the requirement can be provided on request. Following are the example tables for kg/cm² with psi scales.

Pressure range

Range (psi with kg/cm ²)			
psi	kg/cm ²	psi	kg/cm ²
0/30	0/2	0/300	0/20
0/60	0/4	0/400	0/28
0/100	0/7	0/500	0/35
0/150	0/10	0/600	0/40
0/230	0/16		

Compound range

Range (mmHg with kg/cm ² & inHg with psi)			
mmHg with kg/cm ²	inHg with psi	mmHg with kg/cm ²	inHg with psi
-760/2	-30/ 30	-760/10	-30/ 150
-760/4	-30/60	-760/14	-30/200
-760/7	-30/100	-760/20	-30/300

Please contact us for other Variations, delivery and minimum order quantity.

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of designing. Prior notification of changes in specifications is impracticable due to continuous improvement.