



CDS

All SS Pressure Gauge Compact Diaphragm Type (50 mm, 63 mm & 100mm)

Special Features

- Stainless steel case & measuring system
- Dry or liquid filled
- Diaphragm seal integrally built with gauge.
- Reduces the effect of vibration / pulsation
- Standard followed en 837-3

Application

- Diaphragm seals are designed to isolate the sensing element of pressure gauges and pressure switches from process fluids that they may be corrosive, viscous, sedimentous and / or with a high temperature.
- Especially designed for Low Cost





CE

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 (Bayonet Type)

 Socket
 :
 AISI 304 SS

 Bourdon
 :
 AISI 316L SS

 Movement
 :
 AISI 304 SS

 Body
 :
 AISI 304 SS

Joints : Tig Argon Arc Welding

Diaphragm : AISI 316L SS

Process Connection : 1/4" BSP (M) Standard Other on Request...

Protection : IP 68

Dial : Aluminum, black graduation on white background

Pointer : Aluminum, black coloured, fixed

Window : Plexi Glass
Gasket : Neoprene 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 LFG)

Accuracy : ±1.6% of F. S.

Process Temperature : Maximum 65°C

Ambient Temperature : Maximum 65°C

Window : Plexi 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 : $\pm 0.08 \times (t2 - t1) \%$ of F. S. where t1 = t1 = t1 = t1 and t2 = t1 = t1 = t1 = t1.

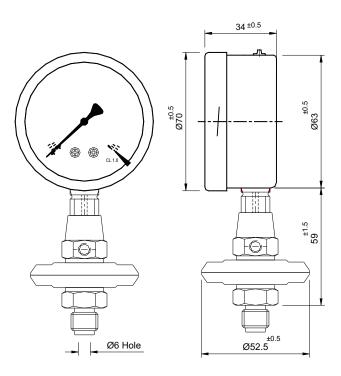


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Dimensions - standard version



63mm Dial Size Gauge Dimensions

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/cm²with psi scales.

Pressure range

Range (psi with kg/cm)							
psi	kg/cm²	psi	kg/cm²				
0/30	0/2	0/300	0/21				
0/60	0/4	0/400	0/28				
0/100	0/7	0/500	0/35				
0/150	0/10	0/600	0/42				
0/220	0/16	0/1000	0/70				

Compound range

Range (mmHg with kg/cm ² & inHg with	psi)					
mmHg with kg/cm²	inHg with psi	mmHg with kg/cm²	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			



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How To	o Order								Exam
Basic N	Model								
Code									CDS
Nomina	al Size	20	25	40					
Type of	f Mounting					50 mm	63 mm	100 mm	XX
2	Direct bottom entry				Direct center back entry				Х
Diaphra	agm Sealed Chamber								
S4 /	AISI 304 SS (Standard)			S6	AISI 316 SS				XX
Diaphra	, ,								
SL	AISI 316L (Standard)								XX
Filling									
									XX
	Silicon DC 200 [-40 to 205°C] (Standard) \$3 Silicon DC 710 [7 to 371°C]								**
	G Food Grade OIL [-20 to 140°C] SY Syltherm 800 [-40 to 315°C]								
S2 S	Silicon DC 704 [10 to 337°C	:]							
End co	nnection of bottom matin	g part (* B	ore size will be	e 6 to	8 mm)				
2BM	1/4" BSP (M)*	3BM	3/8" BSP (M)						\/\/\/\
4BM	½" BSP (M)*	4NM	½" NPT (M)						XXX
Range									
Refer ra	ange table								0/10
Optiona	al extras								kg/cn
CDD	Custom designed dial			STG	Shatterproof / s	safety glass			
OXS	Oxygen service (for dry v	ersion)		TGS	Toughened gla				
CBS	AISI 316 SS case & beze	,		STP	SS tag plate				XX
LGF	Dampening liquid glycering	ne filled		FLG	Fillable liquid g	lycerine			
MTC	Material test certificates*			HLT	Helium leak tes	•			
CRP	Case with rolling type bez	zel#		EPC	Electro polishe	d 0000 8 hozol			

^{*} Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult factory.

Ordering Example: CDS - XX - X - XX - XX - XX - XXX - 0/10kg/cm² - XXX

For other optional items, please contact factory for delivery and minimum quantity of order.

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.