All Stainless Steel Sanitary Clamp Diaphragm Seal Pressure Gauges

Applications

- Food and beverage industry
- Milk machines
- Medicine industry
- Pressure measuring of high density fluids
- Chemical and biochemical industry
- Filled version for the system with vibration

Sample Picture



General Features

- Production according to EN 837-1 standard
- 316L stainless steel material suitable food applications
- Easy disassembly for cleaning
- Corrosive fluid resistance

Standard Technical Features

Nominal size
63 mm, 100 mm, 160 mm

Design
EN 837 - 1

Ingress Protection
IP 65

Accuracy class
Cl. 1.6 : 63 mm
Cl. 1.0 : 100 mm, 160 mm

Scale ranges
: -1 … 0 bar to 0 … 40 bar
Please see table on page-2 for conection selection

Pressure limitation
Full scale

Ambient temperature
A300 (dry version) : +10 … +40 °C
A300G (filled version) : +10 … +40 °C

Media temperature
A300 (dry version) : +100 °C maximum
A300G (filled version) : +100 °C maximum
* For sterilization+130 °C maximum

Case
304 stainless steel

Bezel ring
304 stainless steel (Bayonet type)

Pointer
Black painted Aluminium DIN pointer

Dial
Aluminium with white background

Window
Safety glass

aterma® EXPERT OF PRESSURE & TEMPERATURE

Standard Technical Features

Movement
304 stainless steel

Diaphragm body material
316 stainless steel

Membrane material
316L stainless steel

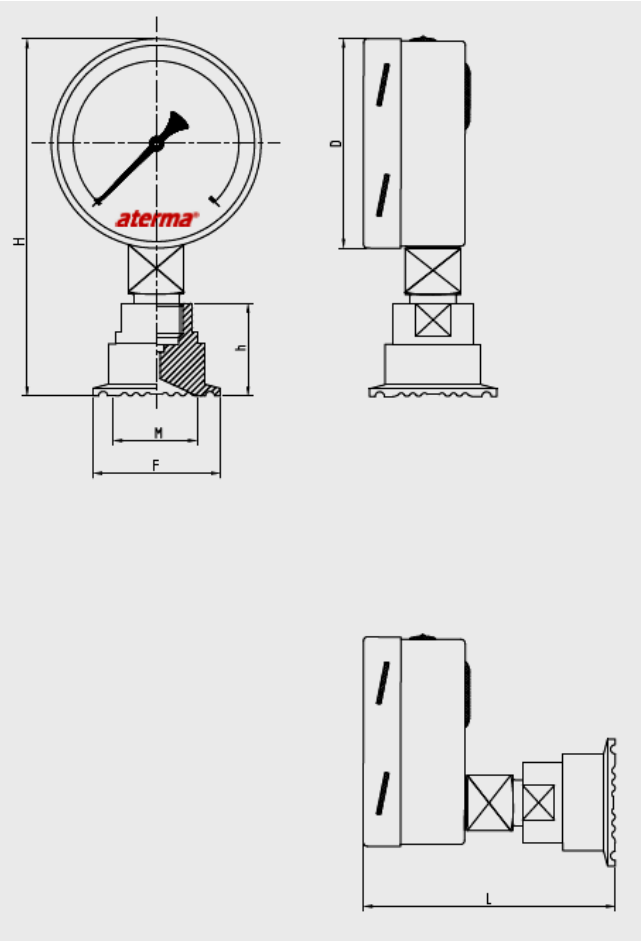
Process connection
According to DIN 32676 :

DN25 , DN32 , DN40 , DN50

According to ISO 2852 :

1" , 1 ½" , 2"

Options
- Other scale ranges (kg/cm², psi, MPa etc.)
- Special customer design
- High temperature resistance (with cooling tower version)
- With capilary tube versions
- Calibration certificate
- Other mounting types



Scale ranges (DIN 32676)		
Process conn.	Min. Pressure	Max. Pressure
DN 25	0 … 10 bar	0 … 40 bar
DN 32	-1 … +3 bar	0 … 40 bar
DN 40	-1 … +3 bar	0 … 40 bar
DN 50	-1 … +1,5 bar	0 … 16 bar

Scale ranges (ISO 2852)		
Process conn.	Min. Pressure	Max. Pressure
1"	0 … 10 bar	0 … 40 bar
1 1/2"	-1 … +3 bar	0 … 40 bar
2"	-1 … +1,5 bar	0 … 16 bar

Dimensions (mm)	D : 63 mm (1)		D : 100 mm		D : 160 mm					Weight (2) (kg)	
G (Process conn.)	H	L	H	L	H	L	h	F	M	A300	A300G
DN 25 (DIN 32676)	127,00	100,00	101,00	108,00	216,35	114,00	35,00	50,50	22,00	0,90	1,15
DN 32 (DIN 32676)	127,00	100,00	101,00	108,00	216,35	114,00	35,00	50,50	29,00	0,90	1,15
DN 40 (DIN 32676)	127,00	100,00	101,00	108,00	216,35	114,00	35,00	50,50	32,00	0,90	1,15
DN 50 (DIN 32676)	127,00	100,00	101,00	108,00	216,35	114,00	35,00	64,00	40,00	1,05	1,30
1" (ISO 2852)	127,00	100,00	101,00	108,00	216,35	114,00	35,00	50,50	22,00	0,90	1,15
1 1/2" (ISO 2852)	127,00	100,00	101,00	108,00	216,35	114,00	35,00	50,50	32,00	0,90	1,15
2" (ISO 2852)	127,00	100,00	101,00	108,00	216,35	114,00	35,00	64,00	40,00	1,05	1,30

(1) : The mounting type of 63 mm Back mount pressure gauges are center back mount

(2) : The weights are for 100 mm nominal size pressure gauges.

AK TEKNİK
FABRİKA MALZ. TİC. VE SAN. LTD. ŞTİ.
Meclis Mah. Atatürk Cad.
No.51/2-3 34785
Sancaktepe / İSTANBUL / TÜRKİYE
Tel: +90 216 314 20 50
www.aterma.com.tr
satis@aterma.com.tr