All Stainless Steel Sanitary Union Diaphragm Seal Pressure Gauges

Applications

- Food beverage industry
- Milk machines
- Medicine industry
- Pressure measuring of high density fluids
- Chemical and Bio-chemical industry
- Paper 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

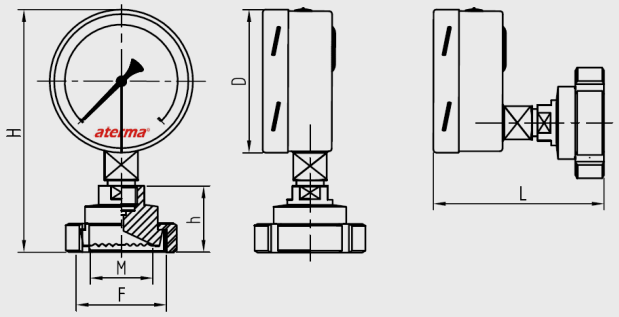
Process connection
According to DIN 11851 :

DN25 , DN32 , DN40 , DN50 (union nut and male)

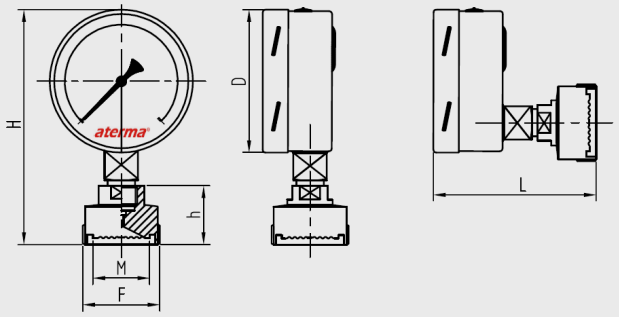
According to SMS :

1 ½" , 2" (union nut and male)

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



Union Nut Connection



Male threaded connection

Scale ranges (DIN 11851)		
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 (SMS)		
Process conn.	Min. Pressure	Max. Pressure
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					Weights (2) (kg	
G (Process conn.)	H	L	H	L	H	L	h	F	M	A300	A300G
DN 25 (DIN 32676)	135,40	112,00	162,40	120,00	225,00	126,00	47,00	RD 52 x 1/6	25,00	1,00	1,25
DN 32 (DIN 32676)	135,40	112,00	162,40	120,00	225,00	126,00	47,00	RD 58 x 1/6	32,00	1,10	1,35
DN 40 (DIN 32676)	133,40	110,00	160,40	118,00	223,00	124,00	45,00	RD 65 x 1/6	40,00	1,30	1,60
DN 50 (DIN 32676)	135,40	112,00	162,40	120,00	225,00	126,00	47,00	RD 78 x 1/6	50,00	1,40	1,70
1 1/2" (ISO 2852)	128,40	105,00	155,40	113,00	218,00	119,00	40,00	RD 60 x 1/6	35,00	1,40	1,65
2" (ISO 2852)	130,40	107,00	157,40	115,00	220,00	121,00	42,00	RD 70 x 1/6	45,00	1,60	1,85

(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.

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