All Stainless Steel Flanged Diaphragm Pressure Gauges

Applications

- Pressure measurement of corrosive and abrasive gases and liquids (without solid particles)
- Clean water conveyance and waste water systems
- Chemical industry
- Petro-chemical industry
- Power plants
- Pressure measurement of paints and adhesives

Sample Picture



General Features

- Production according to EN 837-1 standard
- All stainless steel material
- High temperature resistance
- Suitable for harsh operating conditions

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
* Scale ranges may vary with connection size.

Pressure limitation
Full scale

Ambient temperature
A300 (dry version) : -20 … +40 °C
A300G (filled version) : -20 … +40 °C

Media temperature
A300 (dry version) : +150 °C maximum
A300G (filled version) : +100 °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

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Standard Technical Features

Movement

304 stainless steel

Diaphragm body material

316 stainless steel (standard)

On request: Tantalum, Titanium, Hastelloy C, Monel,

316L stainless steel

Membrane material

316L stainless steel (standard)

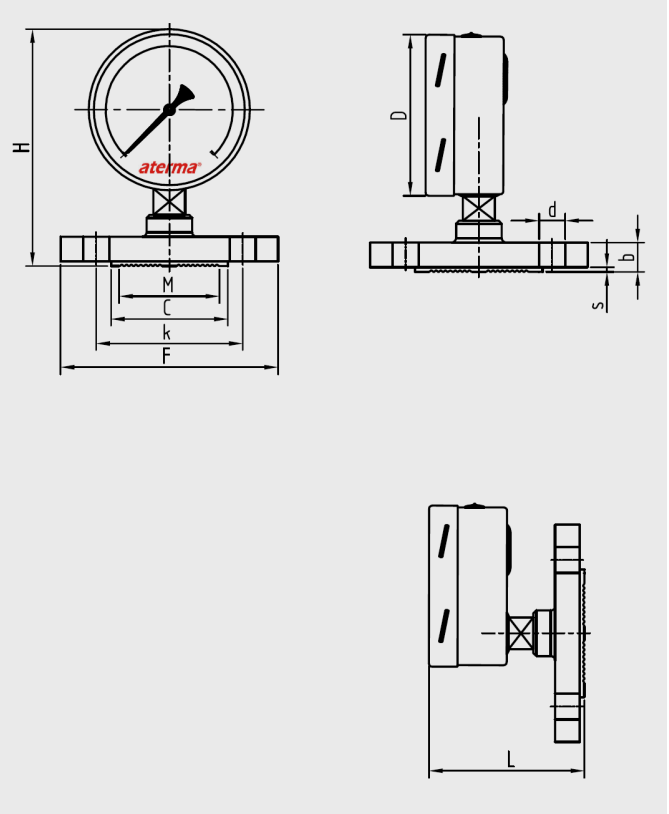
On request: Tantalum, Titanium, Hastelloy C, Monel

Process connection

DN 40, DN 50 (PN40)

Options

- Micro-adjustable Aluminium DIN pointer
- Other scale ranges (kg/cm², psi, MPa etc.)
- High temperature resistance (with cooling tower versions)
- PTFE coating (for acids and similar fluids)
- With capillary tube versions
- Calibration certificate
- Special customer dial design
- Other mounting types



Dim. (mm)	D : 63 mm (1)		D : 100 mm		D : 160 mm									Weights (2) (kg)	
G	H	L	H	L	H	L	M	C	k	F	d	b	s	A300	A300G
DN 25	139,00	115,00	165,00	123,00	228,00	129,00	32,00	68,00	85,00	115,00	14	18	2	2,10	2,35
DN 32	139,00	115,00	165,00	123,00	228,00	129,00	32,00	78,00	100,00	140,00	18	18	2	2,75	3,00
DN 40	139,00	115,00	165,00	123,00	228,00	129,00	45,00	88,00	110,00	150,00	18	18	2	3,15	3,40
DN 50	152,00	128,00	179,00	135,00	241,00	141,00	59,00	102,00	125,00	165,00	18	20	2	3,80	4,10

(1) : 63 mm back mount pressure gauges have a center back connection.

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

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