Stainless steel diaphragm pressure gauges PF100E

Part no. 85891402

Stainless steel diaphragm pressure gauge type D4

benefits

- robust and compact design
- various process connections possible
- flush mounted versions without transmission liquid
- wetted area without seals due to welding
- GOSSTANDART-certified

Application

For corrosive gaseous and liquid media, also for use in corrosive environments. With open connection flange also suitable for viscous and polluted media; with hygienic connections specially suitable for pharmaceutical processes. For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical Specifications

Type
D4

Nominal size
100

accuracy class (EN 837-3/6)
1.6

ranges (EN 837-3/5)
see ordering table

application area
static load: Full scale value
dynamic load: 0.9 x full scale value

Overpressure safety
≤ 6 bar
at least 5 x FS

Operating temperature range
Medium: max. 100 °C
Ambient: -20/+60 °C

Temperature performance
Indication error when the temperature of the measuring system deviates from the normal temperature of 20 °C:
at rising temperature approx. ± 0.8 %/10 K
falling temperature approx. ± 0.8 %/10 K
of full scale value

Degree of protection
IP 54 (EN 60529)

standard version

Connection
stainless steel 316 Ti/316 L, bottom
G½B, SW22 ()

lower measuring flange
stainless steel 316 Ti/316 L

upper measuring flange
Stainless steel 316 L

Measuring element
diaphragm
≤ 2.5 bar
stainless steel 316 Ti/316 L

movement
Stainless steel

Dial
Aluminium, white
Scaling: black

Pointer
Aluminium, black

Housing
Stainless steel 304, with blow-out

bayonet bezel
Stainless steel 304

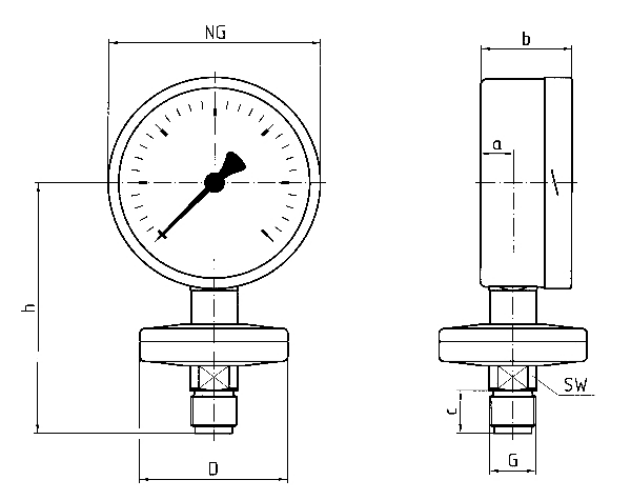
window
Laminated safety glass

Options

- Glycerine filling (≥ 1 bar)
- wetted parts with special coating
- clamp connection
- Varivent or BioControl connection
- flush mounted connection flanges as per EN
- open connection flanges as per EN/ANSI
- Electrical contacts (≥ 0/0.6 bar)
- other connection threads

Technical Drawings

Bottom connection, 0/100 mbar to 0/2.5 bar



Dimensions (mm)

Dimensions (mm)

NG	a	b	c	D	G	h	SW
100	15,6	49	20	69	G½B	117	22
160	17,5	50	20	69	G½B	148	22

Versions

Range	Mounting type	Type		Part number
0/1 bar	direct	PF100E D402	●	85891402

● in-stock items

● Non-stock items