Diaphragm pressure gauges for chemical applications PF100Ch

Part no. 85908402

Diaphragm pressure gauge for chemical applications type D4

benefits

- for low pressure ranges
- high overload protection
- high resistance
- optional flange connections

Application

For corrosive gaseous and liquid media, also for use in corrosive environments. With open connection flange also suitable for viscous and polluted media. 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 (EN 837-3/7.3)

lower measuring flange
Stainless steel 316 L

upper measuring flange
Stainless steel 304

Measuring element
diaphragm
Measuring flange
Duratherm

Seal
FPM (Viton)

movement
Stainless steel

Dial
Aluminium, white
Scaling: black

Pointer
Aluminium, black

Housing
Stainless steel 304, with blow-out

bayonet bezel
Stainless steel 304

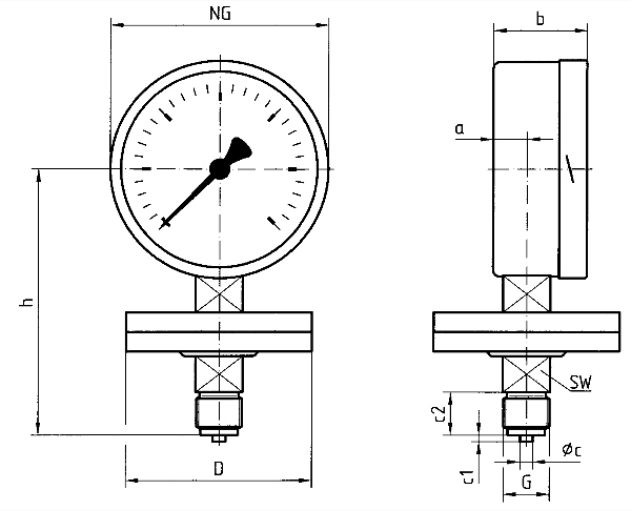
window
Laminated safety glass

Options

- Safety housing
- Overpressure safety 10 x FSD (measuring flange ⌀ 100 to max. 40 bar, measuring flange ⌀ 160 to max. 2.5 bar)
- Glycerine filling (≥ 40 mbar, ≤ 250 mbar accuracy class 2.5)
- Electrical contacts
- wetted parts with special coating
- open connection flanges as per EN/ASME

Technical Drawings

bottom connection, measuring flange ⌀ 100



Dimensions (mm)

NG	a	b	∅c	c1	c2	D	G	h	SW
100	20	55	6	3	20	100	G½B	127	22

Versions

Range	Mounting type	Type		Part number
0/250 mbar	direct	PF100Ch D402	○	85908402

● in-stock items

○ Non-stock items