



Diaphragm pressure gauges for chemical applications PF100Ch

Part no. 85901402

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

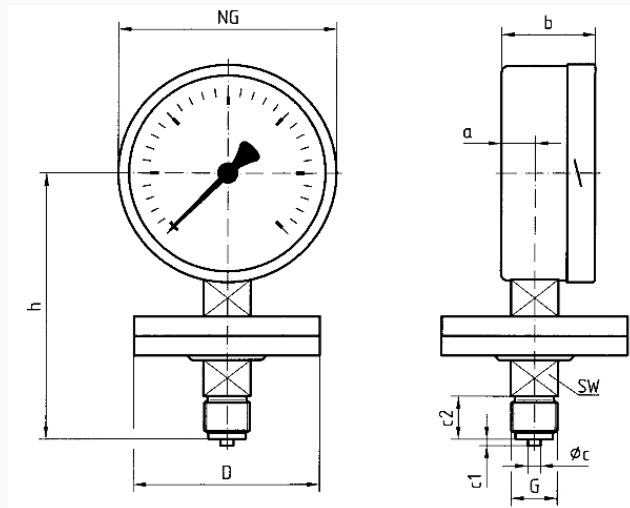
Laminated safety glass

Options

- Safety housing
- Overpressure safety 10 x FSD (measuring flange ø 100 to max. 40 bar, measuring flange ø 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 ø 100



Dimensions (mm)

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

Versions

Range	Mounting type	Type		Part number
0/10 mbar	direct	PF100Ch D402		85901402

-  in-stock items
-  Non-stock items