



Standard diaphragm pressure gauges PF100

Part no. 85903401

Standard diaphragm pressure gauge type D4

benefits

- for low pressure ranges
- high overpressure safety
- robust design
- optional flange connections

Application

For non-corrosive gaseous and liquid media. 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

≤ 0.4 bar

at least 1.3 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

Steel, bottom
G½B, SW22 (EN 837-3/7.3)

lower measuring flange

steel, galvanised

upper measuring flange

Stainless steel 304

Measuring element

diaphragm
Measuring flange
Stainless steel 316 L

Seal

NBR (Perbunan)

movement

Brass

Dial

Aluminium, white
Scaling: black

Pointer

Aluminium, black

Housing

Stainless steel 304, with blow-out

bayonet bezel

Stainless steel 304

window

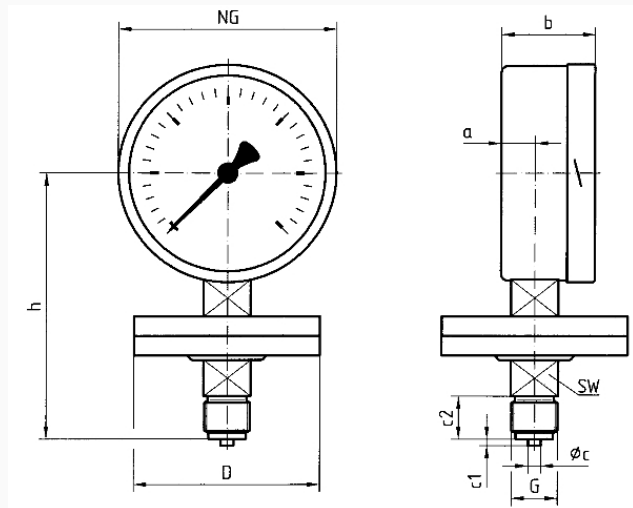
Instrument glass

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	G1½B	127	22

Versions

Range	Mounting type	Type		Part number
0/25 mbar	direct	PF100 D401		85903401

-  in-stock items
-  Non-stock items