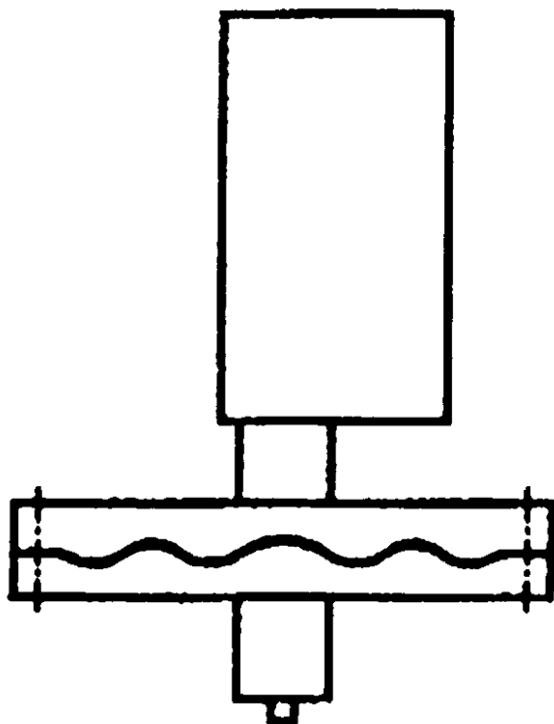




Diaphragm pressure gauge for chemical applications type D8 with glycerine filling

benefits

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

Technical Specifications

Type
D8

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

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. $\pm 0.8 \text{ } \%/10 \text{ K}$
falling temperature approx. $\pm 0.8 \text{ } \%/10 \text{ K}$
of full scale value

Degree of protection
IP 54 (EN 60529)

Connection
stainless steel 316 Ti/316 L, bottom
G $\frac{1}{2}$ B, SW22 (EN 837-3/7.3)

lower measuring flange
stainless steel 316 Ti/316 L

upper measuring flange
Stainless steel 304

Measuring element
diaphragm

Seal
FPM (Viton)

movement
Stainless steel

Dial
Aluminium, white
Scaling: black

Pointer

Aluminium, black

window

Laminated safety glass

Housing

Stainless steel 304, with blow-out

filling liquid

Glycerine

bayonet bezel

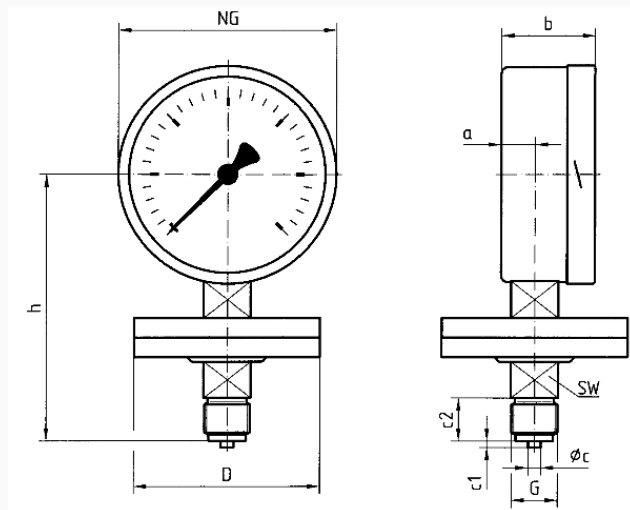
Stainless steel 304

Options

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



Dimensions (mm)

NG	a	b	Øc	c1	c2	D	G	h	SW
100	20	55	6	3	20	100	G $\frac{1}{2}$ B	127	22

Versions

Range	Mounting type	Type		Part number
0/40 mbar	direct	PF100ChGly D802	●	85904802
0/60 mbar	direct	PF100ChGly D802	●	85905802
0/100 mbar	direct	PF100ChGly D802	●	85906802
0/160 mbar	direct	PF100ChGly D802	●	85907802
0/250 mbar	direct	PF100ChGly D802	●	85908802

- in-stock items
- Non-stock items