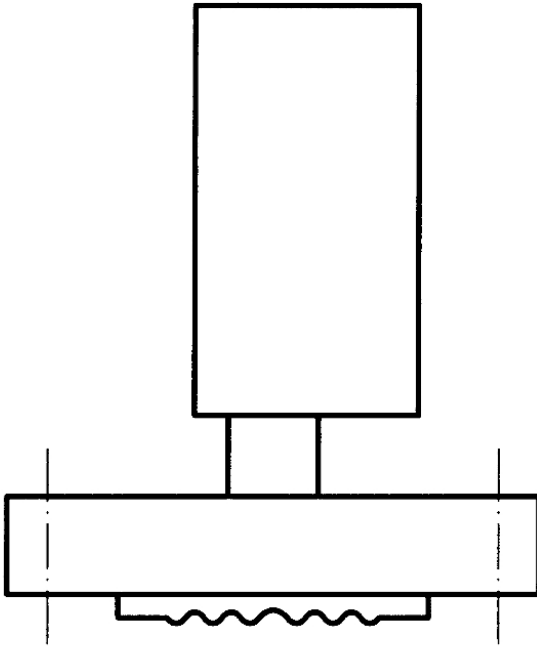


Stainless steel diaphragm pressure gauges PF100FL

Part no. 88952402

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)

Connection

stainless steel 316 Ti/316 L, bottom
flush mounted connection flange, EN 1092-1 ()

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

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 ($\geq 0/0.6$ bar)
- other connection threads

Pointer

Aluminium, black

Housing

Stainless steel 304, with blow-out

bayonet bezel

Stainless steel 304

window

Laminated safety glass

Technical Drawings

flush mounted connection flange as per EN 1092-1/B 1 DN 50/PN 40, 0/100 mbar to 0/25 bar



Dimensions (mm)

Dimensions (mm)

| NG | d4 | d5 | d6 | d7 | dm1 | h5 | s2 | s3 |
|-----|-------|-----|-----|-----|-----|-----|----|----|
| 100 | 4xØ18 | 102 | 125 | 165 | 68 | 86 | 3 | 20 |
| 160 | 4xØ18 | 102 | 125 | 165 | 68 | 117 | 3 | 20 |

Versions

| Range | Mounting type | Type | Part number |
|-----------|---------------|-----------------|-------------|
| 0/1.6 bar | direct | PF100FL D402 | 88952402 |

- in-stock items
- Non-stock items