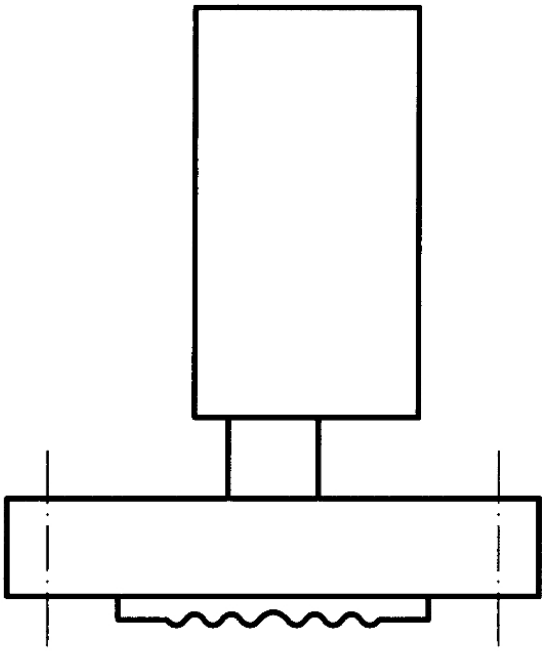


# Stainless steel diaphragm pressure gauges PF100FL

## Part no. 88947402

## 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)

**standard version**

**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

**Pointer**
Aluminium, black

**Housing**
Stainless steel 304, with blow-out

**bayonet bezel**
Stainless steel 304

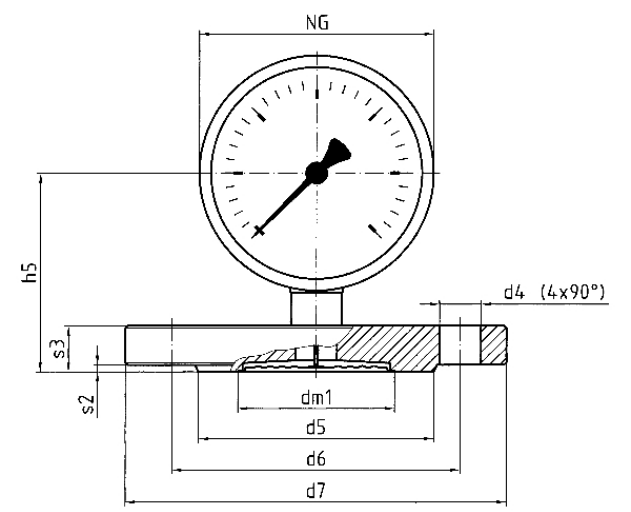
**window**
Laminated safety glass

## 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 (≥ 0/0.6 bar)
- other connection threads

## 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 | 4x∅18 | 102 | 125 | 165 | 68 | 86 | 3 | 20 |
| 160 | 4x∅18 | 102 | 125 | 165 | 68 | 117 | 3 | 20 |

## Versions

| Range | Mounting type | Type | | Part number |
|---|---|---|---|---|
| 0/160 mbar | direct | PF100FL D402 | ● | 88947402 |

● in-stock items

○ Non-stock items