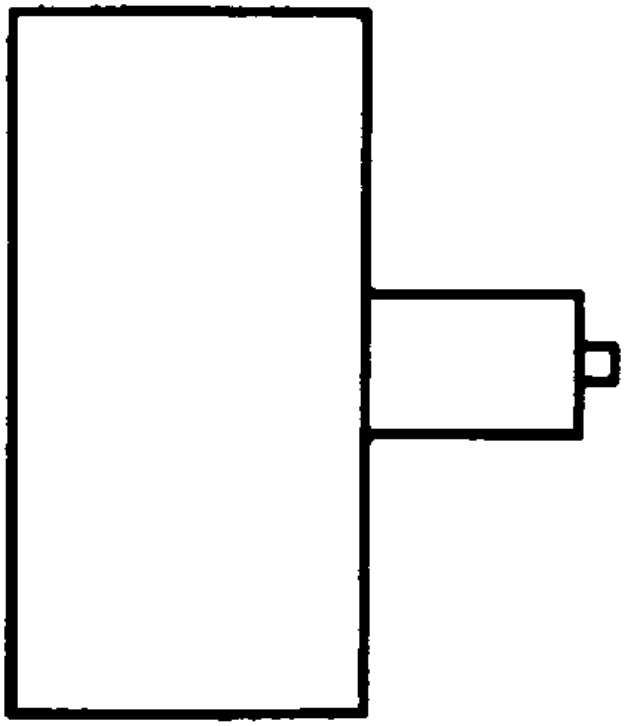


# Bourdon tube pressure gauge for chemical applications type D7 with glycerine filling

**benefits**

- for chemical and process engineering applications
- measuring system fully welded to housing
- extremely robust design
- can be used in case of heavy vibrations and high, dynamic pressure loads
- tightness-tested with helium
- DNV- and GOSSTANDART-certified
- Ex version (optional)

## Application

For corrosive gaseous and liquid media which are not highly viscous and do not crystallise; suitable for corrosive environments. For measurements in areas with high vibration levels and high, dynamic pressure loads.
! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

## Technical Specifications

**Type**
D7

**Nominal size**
63

**accuracy class (EN 837-1/6)**
1.6

**ranges (EN 837-1/5)**
see ordering table

**application area**
static load: ¾ x full scale value
dynamic load: ⅔ x full scale value
short-term: 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. ± 0.4 %/10 K
falling temperature approx. ± 0.4 %/10 K
of full scale value

**Connection**
Stainless steel 316 L, centre back

**Measuring element**
Bourdon tube, stainless steel 316 Ti/316 L
≤ 60 bar: "C" type tube
> 60 bar: helical tube
tightness-tested with helium

**movement**
Stainless steel

**Dial**
Aluminium, white
Scaling: black

**Pointer**
Aluminium, black

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

**bayonet bezel**
NG 63

**crimped bezel**
Stainless steel 304

**window**
NG 63
Laminated safety glass

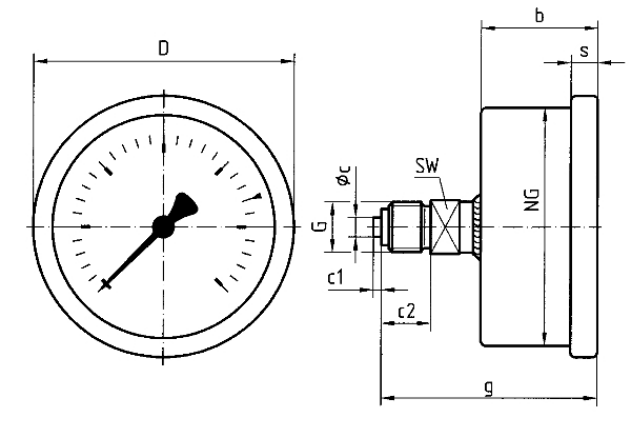
**filling liquid**
glycerine (99.5 %)

## Options

- Filling liquid silicone oil
- plastic window (NG 63)
- Back flange (NG 63)
- clamp fixing
- Ex version
- Crimped bezel, polished
- special scales
- other process connections

## Technical Drawings

**NG 63 – centre back connection**




**Dimensions (mm)**

| NG | b | ∅c | c1 | c2 | D | G | g | s | SW |
|---|---|---|---|---|---|---|---|---|---|
| 63 | 32 | 5 | 2 | 13 | 68 | G¼B | 56 | 7 | 14 |

## Versions

| Range | Mounting type | Type | | Part number |
|---|---|---|---|---|
| -1/+0 bar | direct | RF63ChGly D712 | ○ | 85101712 |
| -1/+0.6 bar | direct | RF63ChGly D712 | ○ | 85102712 |
| -1/+1.5 bar | direct | RF63ChGly D712 | ○ | 85103712 |
| -1/+3 bar | direct | RF63ChGly D712 | ○ | 85104712 |
| -1/+5 bar | direct | RF63ChGly D712 | ○ | 85105712 |
| -1/+9 bar | direct | RF63ChGly D712 | ○ | 85106712 |
| -1/+15 bar | direct | RF63ChGly D712 | ○ | 85107712 |
| 0/0.6 bar | direct | RF63ChGly D712 | ○ | 85109712 |
| 0/1 bar | direct | RF63ChGly D712 | ○ | 85110712 |
| 0/1.6 bar | direct | RF63ChGly D712 | ○ | 85111712 |
| 0/2.5 bar | direct | RF63ChGly D712 | ○ | 85112712 |
| 0/4 bar | direct | RF63ChGly D712 | ● | 85113712 |
| 0/6 bar | direct | RF63ChGly D712 | ● | 85114712 |
| 0/10 bar | direct | RF63ChGly D712 | ● | 85115712 |
| 0/16 bar | direct | RF63ChGly D712 | ● | 85116712 |
| 0/25 bar | direct | RF63ChGly D712 | ○ | 85117712 |
| 0/40 bar | direct | RF63ChGly D712 | ○ | 85118712 |
| 0/60 bar | direct | RF63ChGly D712 | ○ | 85119712 |

| | | | | |
|---|---|---|---|---|
| 0/100 bar | direct | RF63ChGly D712 | ● | 85120712 |
| 0/160 bar | direct | RF63ChGly D712 | ● | 85121712 |
| 0/250 bar | direct | RF63ChGly D712 | ● | 85122712 |
| 0/400 bar | direct | RF63ChGly D712 | ● | 85123712 |
| 0/600 bar | direct | RF63ChGly D712 | ● | 85124712 |
| 0/1000 bar | direct | RF63ChGly D712 | ● | 85125712 |

● in-stock items

● Non-stock items