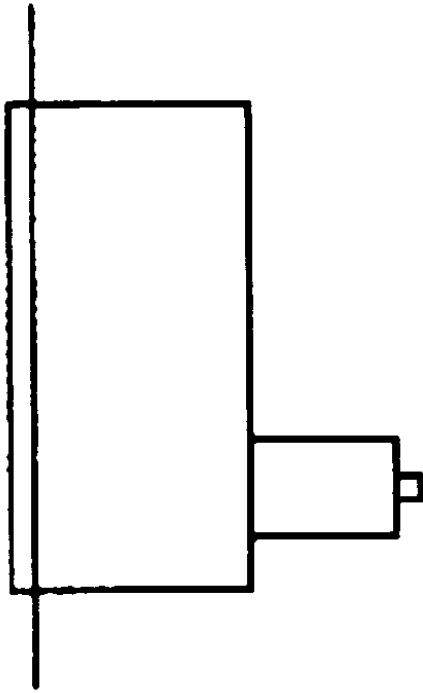




## Bourdon tube pressure gauges for chemical applications RF50ChGly

Part no. 85054732

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**  
50

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

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

**application area**  
static load:  $\frac{3}{4}$  x full scale value  
dynamic load:  $\frac{2}{3}$  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.  $\pm 0.4$  %/10 K  
falling temperature approx.  $\pm 0.4$  %/10 K  
of full scale value

**Degree of protection**  
IP 54 (EN 60529) with housing vent (< 25 bar)

### standard version

**Connection**

Stainless steel 316 L, bottom 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

**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

**Housing**

Stainless steel 304, with blow-out

**bayonet bezel**

NG 50

**crimped bezel**

Stainless steel 304

**window**

NG 50

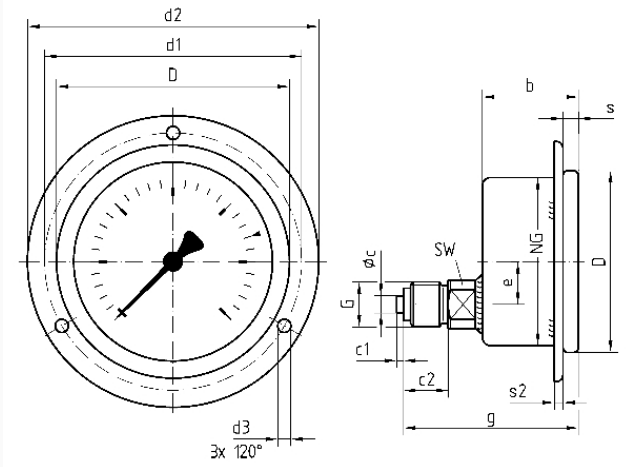
Plastic

**filling liquid**

glycerine (99.5 %)

## Technical Drawings

### NG 50 – bottom back connection, 3-hole fixing, panel mounting bezel



#### Dimensions (mm)

| NG | b  | Øc | c1 | c2 | d1* | d2* | d3* | D  | e    | G     | g  | s   | s2  | SW |
|----|----|----|----|----|-----|-----|-----|----|------|-------|----|-----|-----|----|
| 50 | 28 | 5  | 2  | 13 | 60  | 70  | 3,6 | 53 | 12,5 | G1/4B | 51 | 4,5 | 2,5 | 14 |

\* Dimensions as per DIN 16063

## Versions

| Range     | Mounting type                       | Type              | Part number |
|-----------|-------------------------------------|-------------------|-------------|
| -1/+3 bar | 3-hole fixing, panel mounting bezel | RF50ChGly<br>D732 | 85054732    |

- in-stock items
- Non-stock items