



## Bourdon tube pressure gauges for chemical applications RF63ChGly

Part no. 85107752

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:  $\frac{3}{4}$  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.  $\pm 0.4 \text{ } \%/10 \text{ K}$   
falling temperature approx.  $\pm 0.4 \text{ } \%/10 \text{ K}$   
of full scale value

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

### standard version

### 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

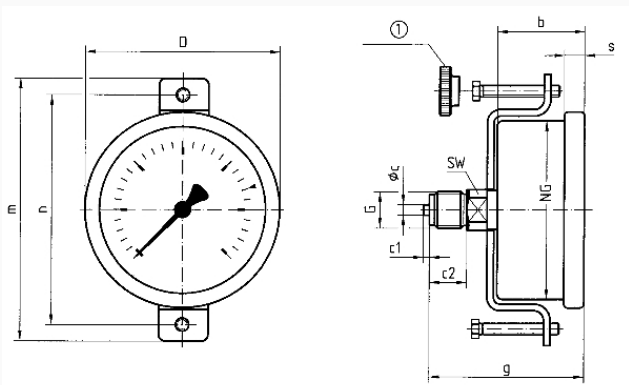
glycerine (99.5 %)

## 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, with clamp fixing**



rotary knob

### Dimensions (mm)

| NG | b  | Øc | c1 | c2 | D  | G                 | g  | m  | n  | s | SW |
|----|----|----|----|----|----|-------------------|----|----|----|---|----|
| 63 | 32 | 5  | 2  | 13 | 68 | G $\frac{1}{4}$ B | 56 | 94 | 82 | 7 | 14 |

## Versions

| Range      | Mounting type | Type              |   | Part number |
|------------|---------------|-------------------|---|-------------|
| -1/+15 bar | clamp fixing  | RF63ChGly<br>D752 | ● | 85107752    |

- in-stock items
- Non-stock items