



## Bourdon tube pressure gauges for chemical applications RF160ChGly

Part no. 85252812

Bourdon tube pressure gauge for chemical applications type D8 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

D8

#### Nominal size

160

#### accuracy class (EN 837-1/6)

1.0

#### ranges (EN 837-1/5)

see ordering table

#### application area

≤ 600 bar: Full scale value  
 > 600 bar:  $\frac{3}{4}$  x full scale value  
 ≤ 600 bar: 0.9 x full scale value  
 > 600 bar:  $\frac{2}{3}$  x full scale value  
 ≤ 600 bar: 1.3 x full scale value  
 > 600 bar: 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 Ti/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

### Housing

Stainless steel 304, with blow-out

### bayonet bezel

Stainless steel 304

### window

Laminated safety glass

### filling liquid

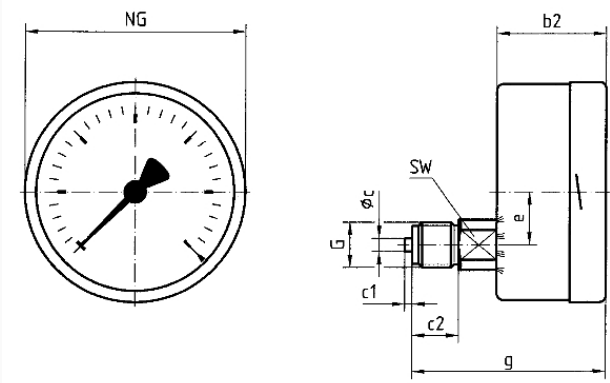
glycerine (99.5 %)

## Options

- Filling liquid silicone oil
- Brass movement
- back flange
- 3-hole fixing, panel mounting bezel
- Ex version
- Electrical contacts
- special scales
- other process connections

## Technical Drawings

### bottom back connection



### Dimensions (mm)

| NG  | b2 | Øc | c1 | c2 | e    | G   | g  | SW |
|-----|----|----|----|----|------|-----|----|----|
| 100 | 49 | 6  | 3  | 20 | 34,5 | G½B | 83 | 22 |
| 160 | 50 | 6  | 3  | 20 | 34,5 | G½B | 84 | 22 |

Versions

| Range       | Mounting type | Type               | Part number |
|-------------|---------------|--------------------|-------------|
| -1/+0.6 bar | direct        | RF160ChGly<br>D812 | 85252812    |

- ☒ in-stock items
- ☐ Non-stock items