



## Bourdon tube pressure gauges for chemical applications RF100ChGly

Part no. 85215802

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**  
100

**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.  $\pm 0.4 \text{ } \%/10 \text{ K}$   
 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 Ti/316 L, bottom

### 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

## Options

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

### Pointer

Aluminium, black

### Housing

Stainless steel 304, with blow-out

### bayonet bezel

Stainless steel 304

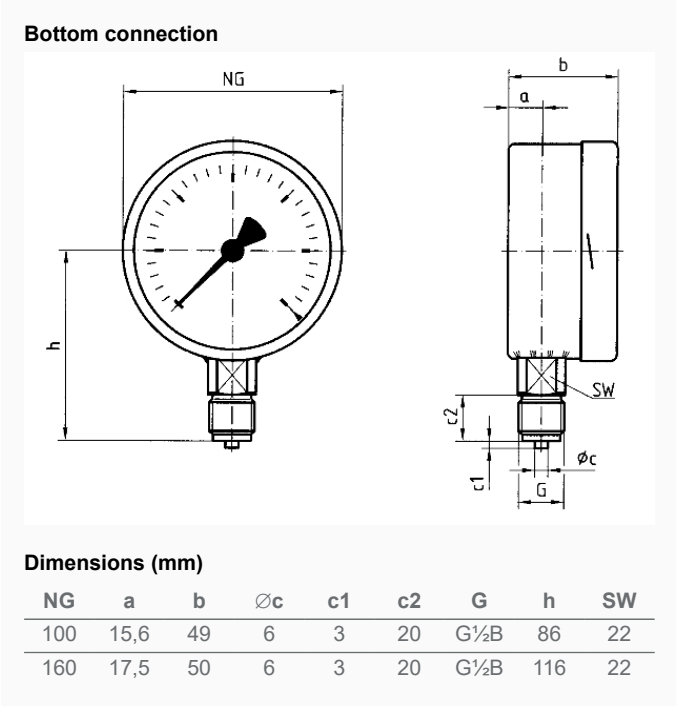
### window

Laminated safety glass

### filling liquid

glycerine (99.5 %)

Technical Drawings



Versions

| Range    | Mounting type | Type               | Part number |
|----------|---------------|--------------------|-------------|
| 0/10 bar | direct        | RF100ChGly<br>D802 | 85215802    |

-  in-stock items
-  Non-stock items