



## Bourdon tube safety pressure gauges RF100SiGly

**Part no. 85461802**

**Bourdon tube safety pressure gauge type D8 with glycerine filling**

### benefits

- Safety housing S3 as per EN 837-1/9.7.2
- measuring system fully welded to housing
- 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. This gauge is designed for applications as per EN 837-1/9.7.2.

### Technical Specifications

#### Type

D8

#### Nominal size

100

#### accuracy class

EN 837-1/6

NG 100

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

#### Degree of protection

IP 54 (EN 60529)

### standard version

#### Connection

Stainless steel 316 L, bottom

#### Measuring element

Bourdon tube, Stainless steel 316 L  
tightness-tested with helium

**movement**  
Stainless steel

**Dial**  
Aluminium, white  
Scaling: black

**Pointer**  
Aluminium, black

**Housing**  
Stainless steel 304, with solid baffle wall and blow-out (S3)

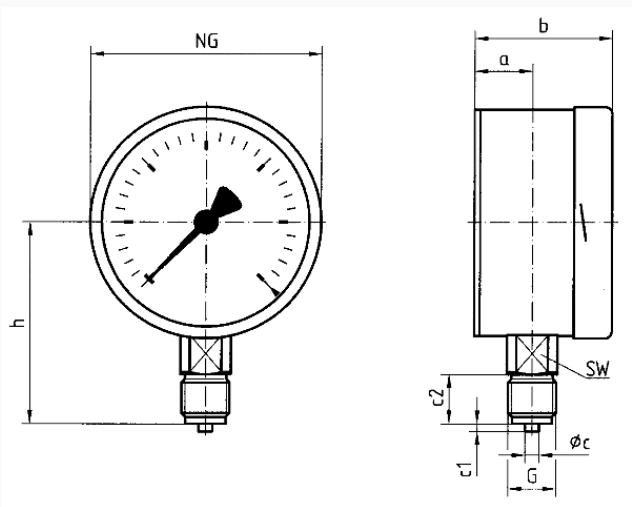
**bayonet bezel**  
Stainless steel 304

**window**  
Laminated safety glass

**filling liquid**  
glycerine (99.5 %)

Technical Drawings

NG 100/160 – bottom connection



| Dimensions (mm) |    |    |    |    |    |     |     |    |
|-----------------|----|----|----|----|----|-----|-----|----|
| NG              | a  | b  | Øc | c1 | c2 | G   | h   | SW |
| 100             | 27 | 60 | 6  | 3  | 20 | G½B | 86  | 22 |
| 160             | 40 | 78 | 6  | 3  | 20 | G½B | 118 | 22 |

Versions

| Range     | Mounting type | Type               | Part number |
|-----------|---------------|--------------------|-------------|
| 0/1.6 bar | direct        | RF100SiGly<br>D802 | 85461802    |

-  in-stock items
-  Non-stock items