



## Bourdon tube safety pressure gauges RF100SiGly

Part no. 85462802

Bourdon tube safety pressure gauges 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**  
 $\leq 600$  bar: Full scale value  
 $> 600$  bar:  $\frac{3}{4}$  x full scale value  
 $\leq 600$  bar: 0.9 x full scale value  
 $> 600$  bar:  $\frac{2}{3}$  x full scale value  
 $\leq 600$  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)

**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

**window**

Laminated safety glass

**Housing**

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

**filling liquid**

glycerine (99.5 %)

**bayonet bezel**

Stainless steel 304

**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
0/2.5 bar	direct	RF100SiGly D802	85462802

- in-stock items
- Non-stock items