



## Bourdon tube safety pressure gauges RF100Si

Part no. 85464402

Bourdon tube safety pressure gauges Type D4

### 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**  
D4

**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)

**Connection**  
Stainless steel 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

**Pointer**

Aluminium, black

**Housing**

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

**bayonet bezel**

Stainless steel 304

**window**

Laminated safety glass

**Options**

- Glycerine filling (bottom version type D8)
- 3-hole fixing, panel mounting bezel
- Ex version
- special scales
- other process connections

**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 |
|---------|---------------|-----------------|-------------------------------------------------------------------------------------|-------------|
| 0/6 bar | direct        | RF100Si<br>D402 |  | 85464402    |

-  in-stock items
-  Non-stock items