



## Stainless steel Bourdon tube pressure gauges RF40E

**Part no. 85016312**

**Stainless steel Bourdon tube pressure gauge type D3**

### benefits

- extremely compact design
- wetted parts and movement made of stainless steel
- Pressure connection welded to housing
- optional for control cabinet mounting
- tightness-tested with helium
- GOSSTANDART-certified

### Application

For corrosive gaseous and liquid media which are not highly viscous and do not crystallise.

! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

### Technical Specifications

#### Type

D3

#### Nominal size

40

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

2.5

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

see ordering table

#### application area

static load:  $\frac{3}{4}$  x full scale value

dynamic load:  $\frac{2}{3}$  x full scale value

short-term: Full scale value

#### standard version

#### Connection

Stainless steel 316 L, centre back

#### 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 32 (EN 60529)

#### Measuring element

Bourdon tube, Stainless steel 316 L

$\leq 60 \text{ bar}$ : "C" type tube

$> 60 \text{ bar}$ : helical tube

tightness-tested with helium

**movement**  
Stainless steel

**Dial**  
Aluminium, white  
Scaling: black

**Pointer**  
Aluminium, black

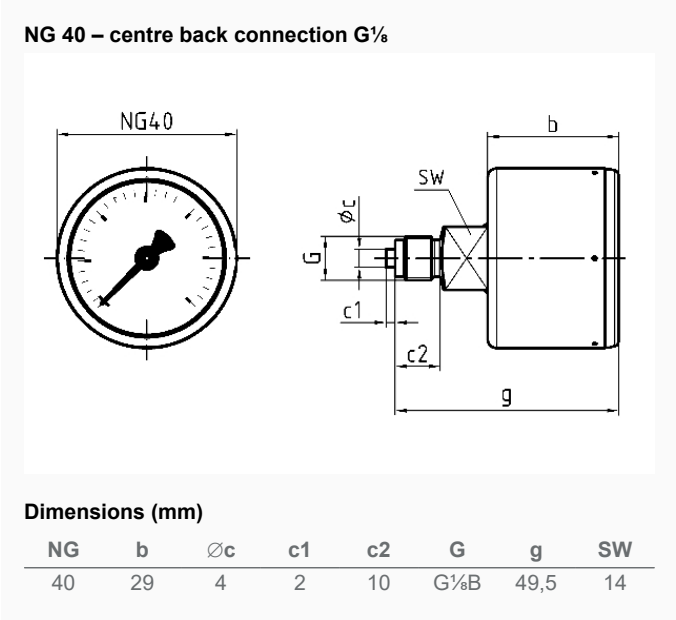
**Housing**  
Stainless steel 304

**window**  
Plastic, clipped in

**Options**

- 3-hole fixing, panel mounting bezel
- special scales
- other process connections
- oil- and grease-free version

**Technical Drawings**



**Versions**

| Range    | Mounting type | Type          | Part number |
|----------|---------------|---------------|-------------|
| 0/16 bar | direct        | RF40E<br>D312 | 85016312    |

- in-stock items
- Non-stock items