



## Bourdon tube pressure gauges for chemical applications RF63Ch

**Part no. 85119932**

**Bourdon tube pressure gauge for chemical applications type D9**

### benefits

- for chemical and process engineering applications
- measuring system fully welded to housing
- extremely robust design
- for temperatures of the medium of up to 200 °C
- tightness-tested with helium
- 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 measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2"!

### Technical Specifications

**Type**  
D9

**Nominal size**  
63

**accuracy class**  
EN 837-1/6  
NG 63  
1.6

**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

**Operating temperature range**  
NG 63  
max. 200 °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 65 (EN 60529)

### standard version

**Connection**

Stainless steel 316 L, centre back

**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**

- Brass movement
- Back flange (NG 63)
- clamp fixing
- Ex version
- Crimped bezel, polished
- special scales
- other process connections

**Pointer**

Aluminium, black

**Housing**

Stainless steel 304, with blow-out

**bayonet bezel**

NG 63

Stainless steel 304

**crimped bezel**

NG 63

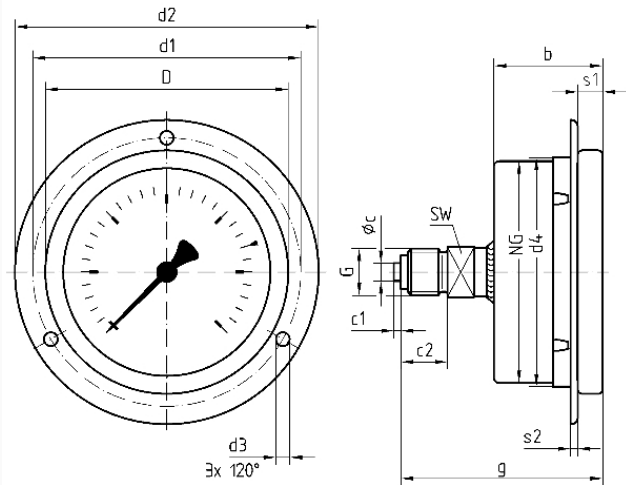
**window**

NG 63

Laminated safety glass

## Technical Drawings

**NG 63 – centre back connection, 3-hole fixing, panel mounting bezel**



### Dimensions (mm)

| NG | b  | Øc | c1 | c2 | d1* | d2* | d3* | d4 | D  | G     | g  | s1  | s2 | SW |
|----|----|----|----|----|-----|-----|-----|----|----|-------|----|-----|----|----|
| 63 | 32 | 5  | 2  | 13 | 75  | 85  | 3,6 | 64 | 68 | G1/4B | 56 | 5,5 | 2  | 14 |

\* Dimensions as per DIN 16063

## Versions

| Range    | Mounting type                       | Type           | Part number |
|----------|-------------------------------------|----------------|-------------|
| 0/60 bar | 3-hole fixing, panel mounting bezel | RF63Ch<br>D932 | 85119932    |

- in-stock items
- Non-stock items