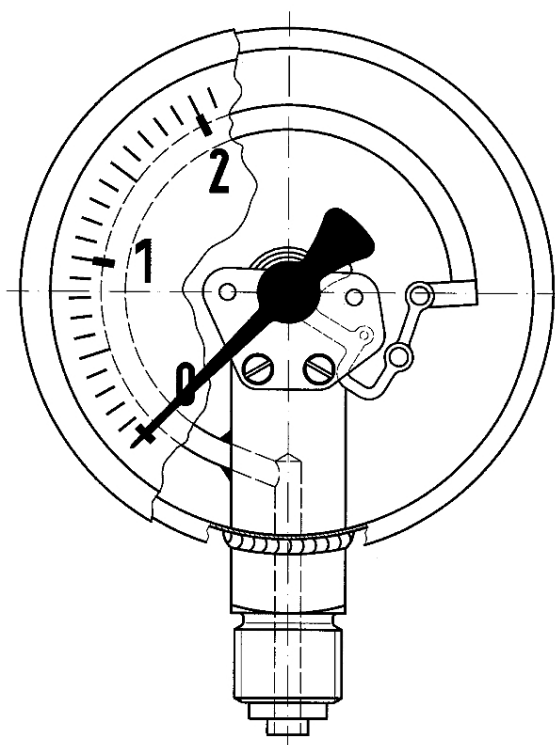




## Bourdon tube pressure gauges for chemical applications RF63Ch

**Part no. 85105932**

**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.  $\pm 0.4$  %/10 K

falling temperature approx.  $\pm 0.4$  %/10 K

of full scale value

#### Degree of protection

IP 54 (EN 60529) with housing vent ( $\leq 25$  bar)

### 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

**Pointer**

Aluminium, black

**Housing**

Stainless steel 304, with blow-out

**bayonet bezel**

NG 63

Stainless steel 304

**crimped bezel**

NG 63

**window**

NG 63

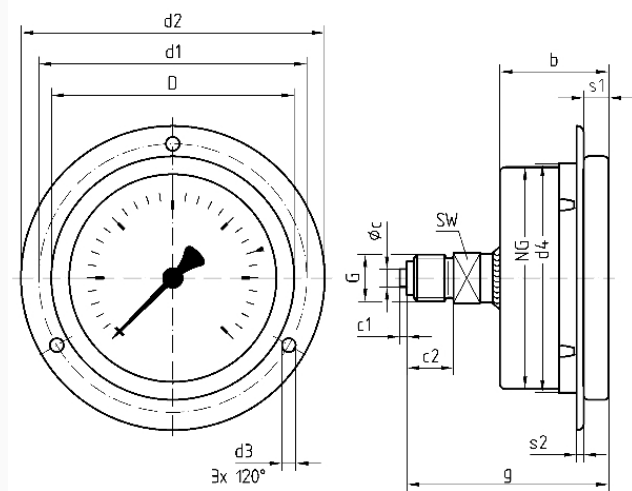
Laminated safety glass

**Options**

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

## 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 | G 1/4 B | 56 | 5,5 | 2  | 14 |

\* Dimensions as per DIN 16063

## Versions

| Range     | Mounting type                       | Type           | Part number |
|-----------|-------------------------------------|----------------|-------------|
| -1/+5 bar | 3-hole fixing, panel mounting bezel | RF63Ch<br>D932 | 85105932    |

- in-stock items
- Non-stock items