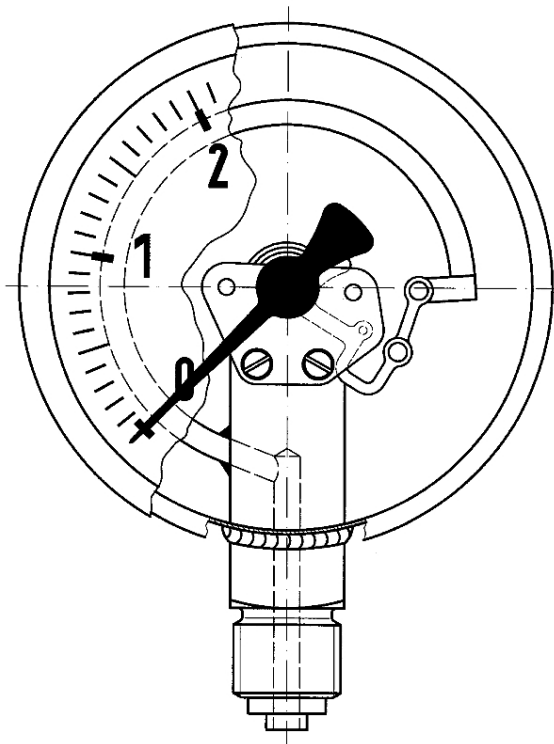




Bourdon tube pressure gauge for chemical applications type D9

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

Connection

Stainless steel 316 L, centre back

Measuring element

Bourdon tube, stainless steel 316 Ti/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, with blow-out

bayonet bezel

NG 63

Stainless steel 304

crimped bezel

NG 63

window

NG 63

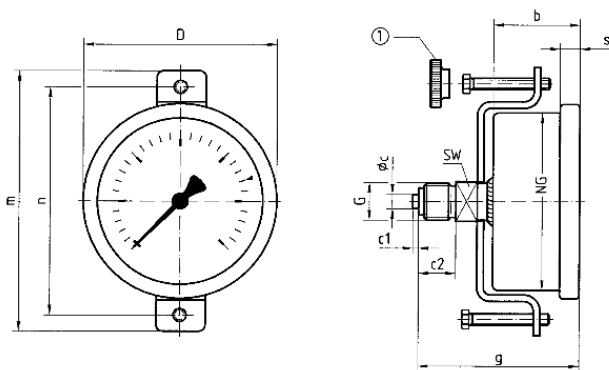
Laminated safety glass

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, with clamp fixing



rotary knob

Dimensions (mm)

NG	b	Øc	c1	c2	D	G	g	m	n	s	SW
63	32	5	2	13	68	G $\frac{1}{4}$ B	56	94	82	7	14

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	clamp fixing	RF63Ch D952	●	85101952
-1/+0.6 bar	clamp fixing	RF63Ch D952	●	85102952
-1/+1.5 bar	clamp fixing	RF63Ch D952	●	85103952
-1/+3 bar	clamp fixing	RF63Ch D952	●	85104952
-1/+5 bar	clamp fixing	RF63Ch D952	●	85105952
-1/+9 bar	clamp fixing	RF63Ch D952	●	85106952
-1/+15 bar	clamp fixing	RF63Ch D952	●	85107952
0/0.6 bar	clamp fixing	RF63Ch D952	●	85109952
0/1 bar	clamp fixing	RF63Ch D952	●	85110952
0/1.6 bar	clamp fixing	RF63Ch D952	●	85111952
0/2.5 bar	clamp fixing	RF63Ch D952	●	85112952
0/4 bar	clamp fixing	RF63Ch D952	●	85113952
0/6 bar	clamp fixing	RF63Ch D952	●	85114952
0/10 bar	clamp fixing	RF63Ch D952	●	85115952
0/16 bar	clamp fixing	RF63Ch D952	●	85116952
0/25 bar	clamp fixing	RF63Ch D952	●	85117952
0/40 bar	clamp fixing	RF63Ch D952	●	85118952
0/60 bar	clamp fixing	RF63Ch D952	●	85119952

0/100 bar	clamp fixing	RF63Ch D952	●	85120952
0/160 bar	clamp fixing	RF63Ch D952	●	85121952
0/250 bar	clamp fixing	RF63Ch D952	●	85122952
0/400 bar	clamp fixing	RF63Ch D952	●	85123952
0/600 bar	clamp fixing	RF63Ch D952	●	85124952
0/1000 bar	clamp fixing	RF63Ch D952	●	85125952

● in-stock items

● Non-stock items