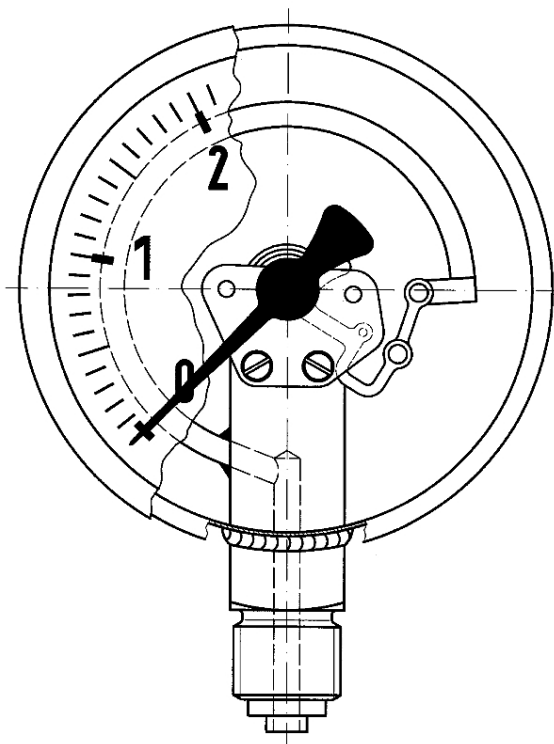




Bourdon tube pressure gauge for chemical applications type D9

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

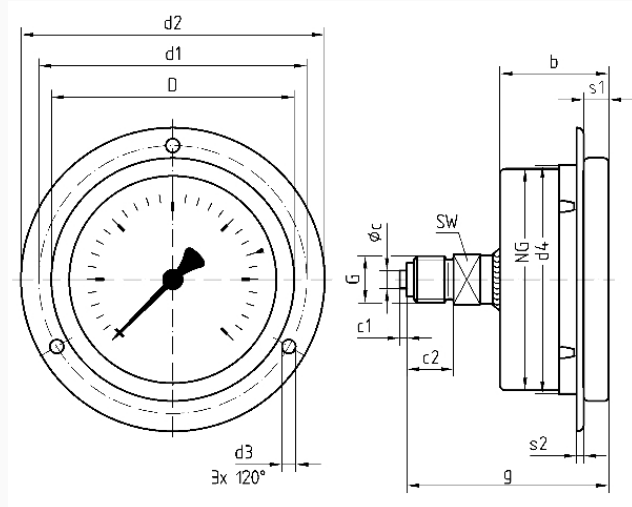
window
NG 63
Laminated safety glass

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, 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/+0 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85101932
-1/+0.6 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85102932
-1/+1.5 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85103932
-1/+3 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85104932
-1/+5 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85105932
-1/+9 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85106932
-1/+15 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85107932
0/0.6 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85109932
0/1 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85110932
0/1.6 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85111932
0/2.5 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85112932
0/4 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85113932
0/6 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85114932
0/10 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85115932
0/16 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85116932
0/25 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85117932
0/40 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85118932
0/60 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85119932

0/100 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85120932
0/160 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85121932
0/250 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85122932
0/400 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85123932
0/600 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85124932
0/1000 bar	3-hole fixing, panel mounting bezel	RF63Ch D932	●	85125932

● in-stock items

● Non-stock items