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
40

accuracy class
EN 837-1/6
NG 40
2.5

ranges (EN 837-1/5)
see ordering table

application area
static load: ¾ x full scale value
dynamic load: ⅔ x full scale value
short-term: Full scale value

Operating temperature range
NG 40
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. ± 0.4 %/10 K
falling temperature approx. ± 0.4 %/10 K
of full scale value

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 40

crimped bezel
NG 40
Stainless steel 304

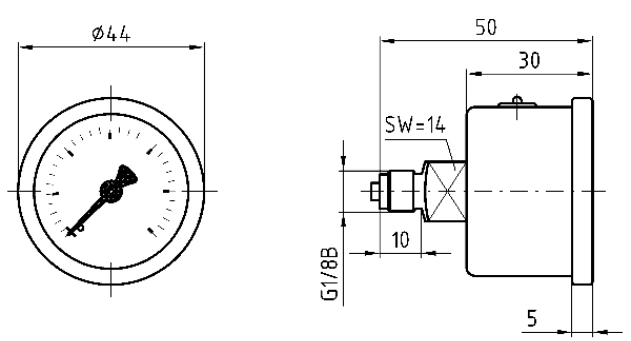
window
NG 40
Plastic (PMMA)

Options

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

Technical Drawings

NG 40 - centre back connection



Dimensions (mm)

Versions

Range	Mounting type	Type		Part number
0/1.6 bar	direct	RF40Ch D912	○	85011912
0/2.5 bar	direct	RF40Ch D912	○	85012912
0/4 bar	direct	RF40Ch D912	○	85013912
0/6 bar	direct	RF40Ch D912	○	85014912
0/10 bar	direct	RF40Ch D912	○	85015912
0/16 bar	direct	RF40Ch D912	○	85016912
0/25 bar	direct	RF40Ch D912	○	85017912
0/40 bar	direct	RF40Ch D912	○	85018912
0/60 bar	direct	RF40Ch D912	○	85019912
0/100 bar	direct	RF40Ch D912	○	85020912
0/160 bar	direct	RF40Ch D912	○	85021912
0/250 bar	direct	RF40Ch D912	○	85022912
0/400 bar	direct	RF40Ch D912	○	85023912

● in-stock items

○ Non-stock items