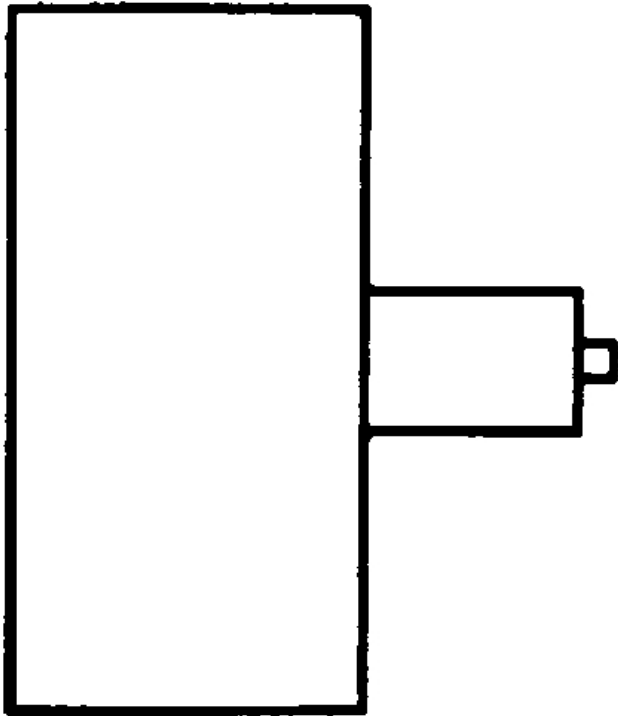




Bourdon tube pressure gauge for chemical applications type D7 with glycerine filling

benefits

- for chemical and process engineering applications
- measuring system fully welded to housing
- extremely robust design
- can be used in case of heavy vibrations and high, dynamic pressure loads
- tightness-tested with helium
- DNV- and 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 measurements in areas with high vibration levels and high, dynamic pressure loads.

! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical Specifications

Type

D7

Nominal size

40

accuracy class (EN 837-1/6)

2.5

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

Medium: 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

Stainless steel 304

window

NG 40
Plastic (PMMA)

filling liquid

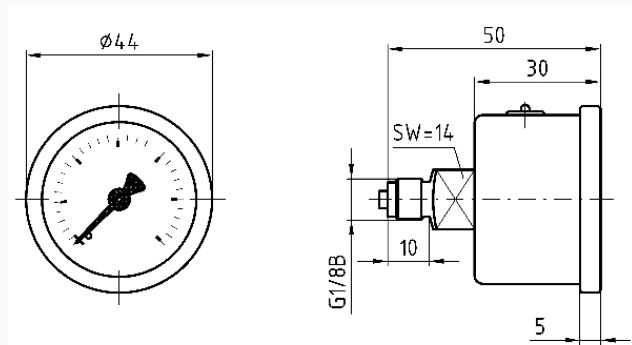
glycerine (99.5 %)

Options

- Filling liquid silicone oil
- plastic window (NG 63)
- 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	RF40ChGly D712	●	85011712
0/2.5 bar	direct	RF40ChGly D712	●	85012712
0/4 bar	direct	RF40ChGly D712	●	85013712
0/6 bar	direct	RF40ChGly D712	●	85014712
0/10 bar	direct	RF40ChGly D712	●	85015712
0/16 bar	direct	RF40ChGly D712	●	85016712
0/25 bar	direct	RF40ChGly D712	●	85017712
0/40 bar	direct	RF40ChGly D712	●	85018712
0/60 bar	direct	RF40ChGly D712	●	85019712
0/100 bar	direct	RF40ChGly D712	●	85020712
0/160 bar	direct	RF40ChGly D712	●	85021712
0/250 bar	direct	RF40ChGly D712	●	85022712
0/400 bar	direct	RF40ChGly D712	●	85023712

- in-stock items
- Non-stock items