



Bourdon tube standard pressure gauge for refrigeration engineering type D8 with glycerine filling

benefits

- can be used in case of heavy vibrations and high, dynamic pressure loads
- longer service life due to less wear and corrosion protection of the measuring system
- various refrigerants measurable with multiple scales
- DNV- and GOSSTANDART-certified

Application

For simultaneous measurement of vapour pressures and temperatures in refrigeration engineering.
! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical Specifications

Type

D8

Nominal size

100

accuracy class (EN 837-1/6)

1.0

temperature scales

for cooling agent: R 717 (NH₃)

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: according to cooling agent
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 Ti/316 L, bottom back
G $\frac{1}{2}$ B

Measuring element

Bourdon tube, stainless steel 316 Ti/316 L

movement

Brass

Dial

Aluminium, white
pressure dial marking: black
temperature dial marking: coloured

Pointer

Aluminium, black

Housing

Stainless steel 304, with blow-out

crimped bezel

Stainless steel 304

window

Plastic

filling liquid

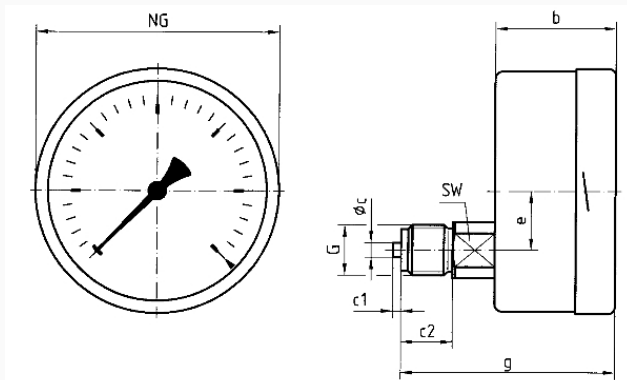
glycerine (99.5 %)

Options

- Temperature scales for other refrigerants
- back flange
- clamp fixing
- 3-hole fixing, panel mounting bezel (NG 63/100)
- throttle screw
- special scales
- other process connections
- 7/16 – 20 UNF SAE J513 (45°)

Technical Drawings

bottom back connection



Dimensions (mm)

NG	b	Øc	c1	c2	e	g	G	SW
100	49	6	3	20	26,5	81	G½B	22

Versions

Range	Mounting type	Type		Part number
-1/+12.5 bar	direct	RF100KTGly D812	●	85231812
-1/+15 bar	direct	RF100KTGly D812	●	85232812
-1/+24 bar	direct	RF100KTGly D812	●	85233812

- in-stock items
- Non-stock items