



Bourdon tube pressure gauges for high pressure RF100HD

Part no. 85247402

Bourdon tube pressure gauge for high pressures type D4

benefits

- for pressure ranges up to 4,000 bar
- Housing with solid baffle wall and blow-out

Application

For measurement of extremely high pressures in gaseous and liquid corrosive media which are not highly viscous and do not crystallise; also suitable for corrosive atmospheres.

Technical Specifications

Type
D4

Nominal size
100

accuracy class (EN 837-1/6)
1.0

ranges
0/2500 bar

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. $\pm 0.4 \text{ } \%/10 \text{ K}$
falling temperature approx. $\pm 0.4 \text{ } \%/10 \text{ K}$
of full scale value

Degree of protection

IP 54 (EN 60529)

standard version

Connection
Stainless steel 316 L, bottom
HP connection 1/4" with female thread M16 x 1.5 with sealing cone 60°

Measuring element
Bourdon tube, NiFe alloy
helical tube

movement
Stainless steel

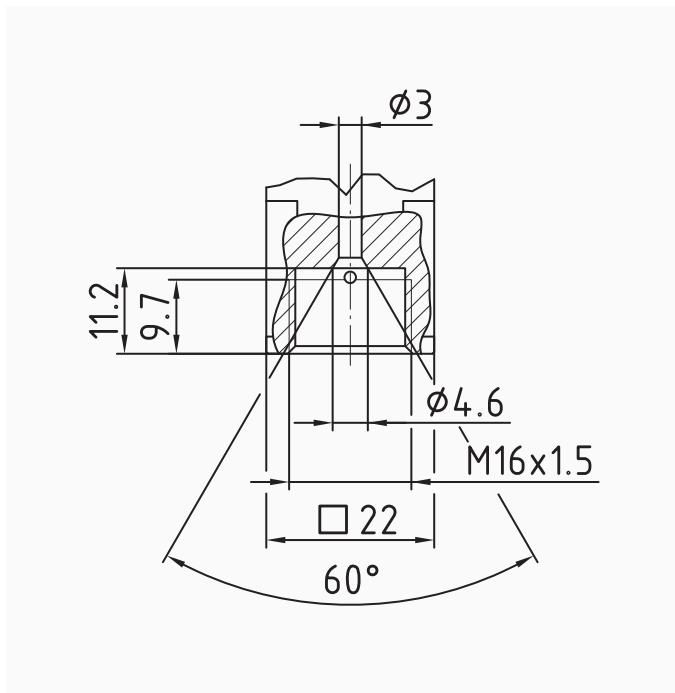
Dial
Aluminium, white
Scaling: black

Pointer
Aluminium, black

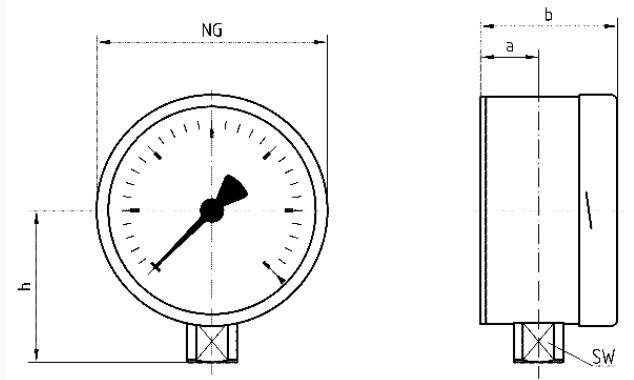
Options

- Glycerine filling (type D802)
- 3-hole fixing, panel mounting bezel
- HP connection male thread 9/16-18 UNF-2A-LH with sealing cone 60°
- other process connections

Technical Drawings



Bottom connection



Dimensions (mm)

NG	a	b	h	SW
100	27	60	71	22
160	34	78	139	22

Versions

Range	Mounting type	Type	Part number
0/2500 bar	direct	RF100HD D402	85247402

- in-stock items
- Non-stock items