



## Bourdon tube pressure gauges for high pressure RF160HD

Part no. 85277402

Bourdon tube pressure gauges for high pressure 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

160

#### 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)

#### Connection

Stainless steel 316 L, bottom

HP connection  $\frac{1}{4}$ " 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

**Housing**

Stainless steel 304, with solid baffle wall and blow-out

**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

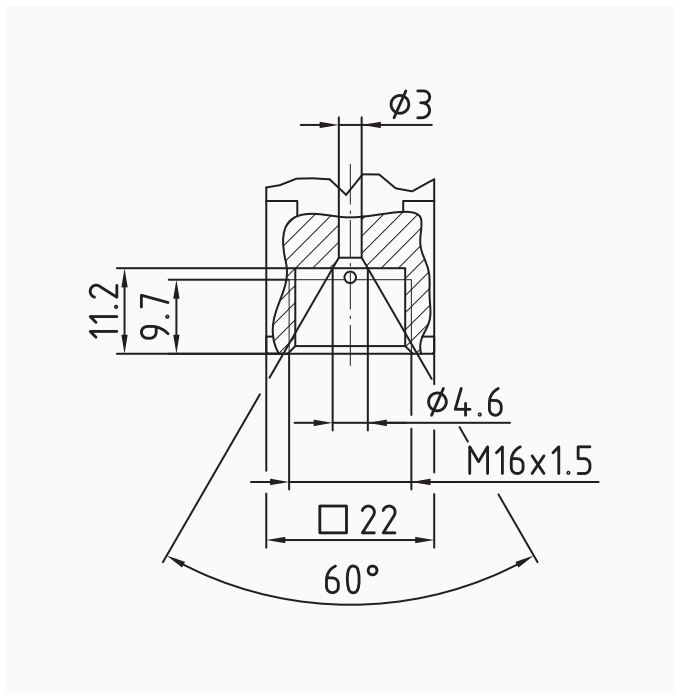
**bayonet bezel**

Stainless steel 304

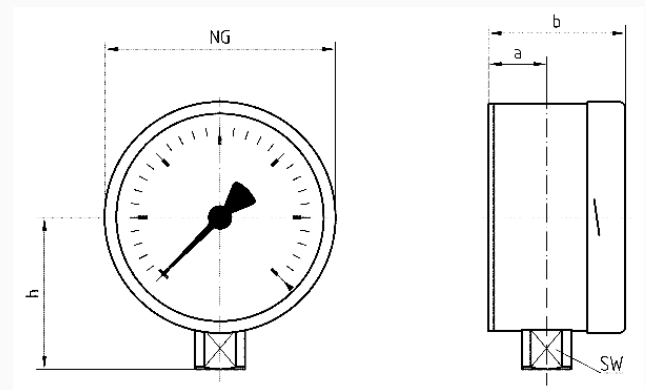
**window**

Laminated safety glass

**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        | RF160HD<br>D402 | 85277402    |

- in-stock items
- Non-stock items