



## Bourdon tube pressure gauges for high pressure RF160HD

Part no. 85278402

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

0/4000 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.  $\pm 0.4 \%$ /10 K

falling temperature approx.  $\pm 0.4 \%$ /10 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

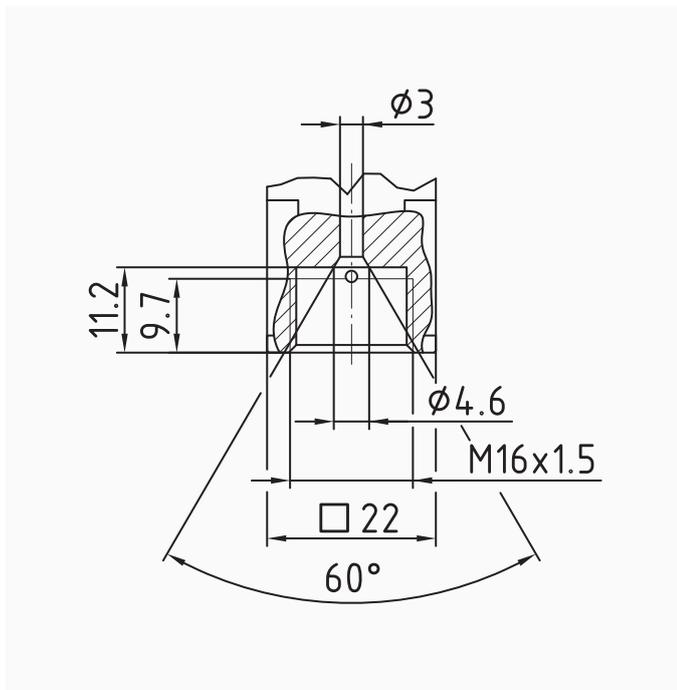
**Options**

- 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

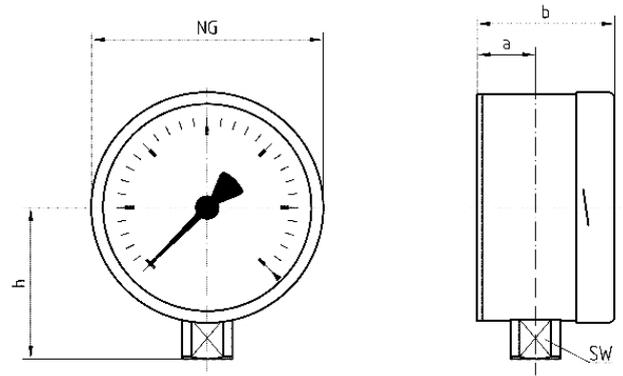
**bayonet bezel**  
Stainless steel 304

**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
0/4000 bar	direct	RF160HD D402	85278402

- in-stock items
- Non-stock items