



Bourdon tube pressure gauges for high pressure RF160HDGly

Part no. 85278802

Bourdon tube pressure gauge for high pressures type D8

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
D8

Nominal size
160

accuracy class (EN 837-1/6)
1.0

ranges
0/4000 bar

application area
static load: Full scale value
dynamic load: $\frac{2}{3}$ x 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. $\pm 0.4 \text{ } \%/10 \text{ K}$
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

Options

- Glycerine filling (type D802)
- 3-hole fixing, panel mounting bezel
- other process connections

Pointer

Aluminium, black

Housing

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

bayonet bezel

Stainless steel 304

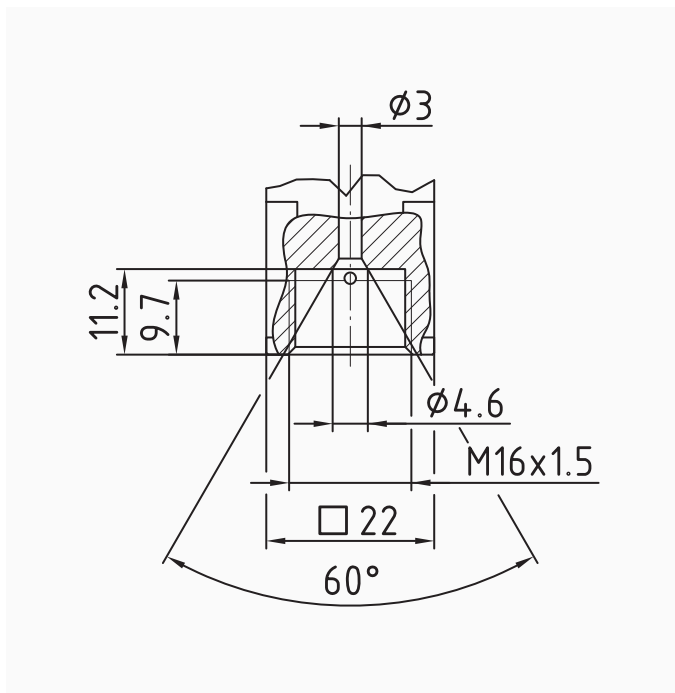
window

Laminated safety glass

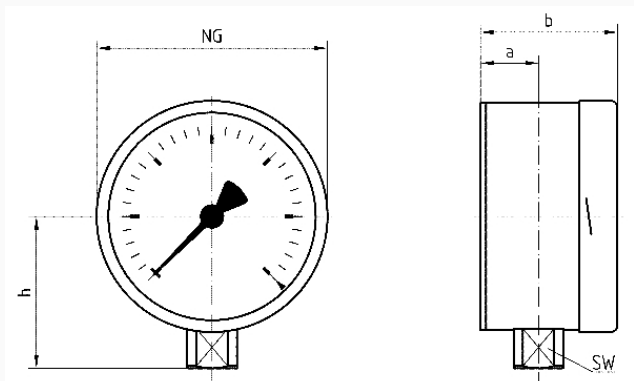
filling liquid

glycerine (99.5 %)

Technical Drawings



Bottom connection



Dimensions (mm)

NG	a	a1	b	b1	d1*	d2	d3*	d4	d5	d6	d7	G	h	o	s2	s3	t	t1	u														
16034	64	78	108	178	196	5,8	M	2,5	4,3	26	M16	39	63	1,5	8	9,5	11	65															
					5						x																						
10027	52	60	90	116	132	4,8	M	2,5	4,3	26	1,5	71	-	1	7	9,5	11	-															
					4																												
NG u1 SW																																	
16056 22																																	
100 - 22																																	

* Maße nach DIN 16064

Versions

Range	Mounting type	Type		Part number
0/4000 bar	direct	RF160HDGly D802		85278802

-  in-stock items
-  Non-stock items