



Bourdon tube pressure gauge RF63ST

Part no. 88308301

Standard Bourdon tube pressure gauge for welding applications type D3

benefits

- Design as per ISO 5171
- rear blow-out
- Measuring system cleaned, oil-free and grease-free
- many customised versions available

Application

For welding and cutting machines and systems as well as similar processes.

Technical Specifications

Type

D3

Nominal size

63

Version

ISO 5171

accuracy class

2.5

ranges

see ordering table

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: max. 60 °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. ± 0.4 %/10 K

falling temperature approx. ± 0.4 %/10 K

of full scale value

Degree of protection

IP 32 (EN 60529)

standard version

Connection

Brass, bottom
with damping in the pressure inlet channel

Measuring element

Bourdon tube, Copper alloy
≤ 40 bar: "C" type tube
> 40 bar: helical tube
copper content in case of acetylene < 70 %

wetted parts

oil-free and grease-free

movement

Brass

Options

- Litre scales for argon/CO₂
- special scales
- other connection threads

Dial

Aluminium, white
Scaling: black

Pointer

Aluminium, black

Housing

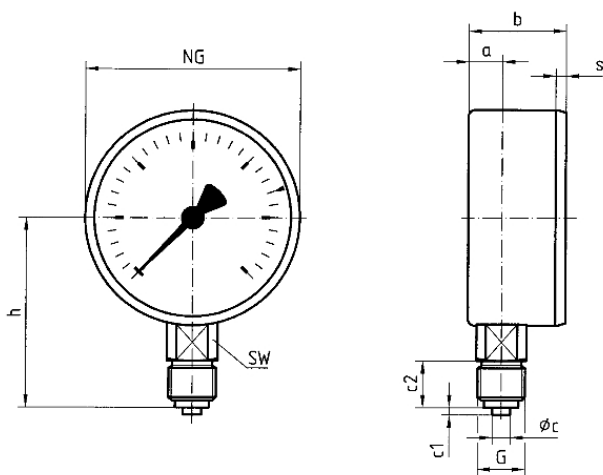
Stainless steel 304, with rear blow-out

window

Plastic, snapped in

Technical Drawings

Bottom connection



Dimensions (mm)

NG	a	b	Øc	c1	c2	G	h	s	SW
50	10,5	29	5	2	13	G ¹ / ₄ B	46	3,8	14
63	11	29,5	5	2	13	G ¹ / ₄ B	53	3,7	14

Versions

Range	Mounting type	Type		Part number
0/25 bar	direct	RF63ST D301		88308301

-  in-stock items
-  Non-stock items