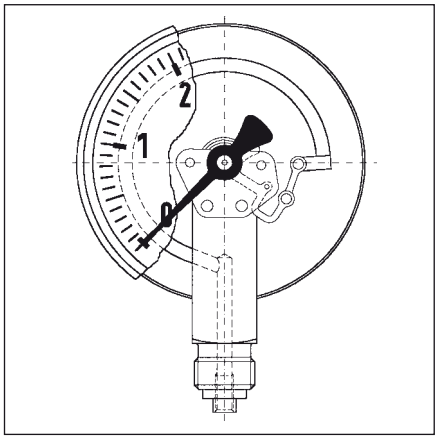
Bourdon tube pressure gauges for welding applications EN 562



Application
For welding systems and cutting machines or similar processes.

Type
D 2/D 3

Nominal size
50 – 63

Version
EN 562

Accuracy class (EN 562)
2.5

Ranges (EN 562)
0/1 to 0/400 bar
-1/0 to -1/+15 bar

Application area
Static load:
3/4 x full scale value
Dynamic load:
2/3 x full scale value
Short term:
full scale value

Operating temperature range

Medium:	T_{max} =	*+60 °C*
Ambient:	T_{min} =	*-20 °C*
	T_{max} =	*+60 °C*

Temperature performance
Indication error when the temperature of the measuring element deviates from 20 °C:
rising temp. approx. ±0.4 %/10K
falling temp. approx. ±0.4 %/10K
percentage of full scale value

Protection
IP 32 (EN 60529)

Standard version

Connection
Brass, bottom or centre back, with damping in the pressure inlet
G1/4B – spanner size 14
(EN 837-1/7.3)

Measuring element
Bourdon tube element, copper alloy
≤ 40 bar „C“ type bourdon tube
> 40 bar helical tube
(copper portion in case of acetylene < 70 %)

Degree of cleanliness
Wetted parts are oil and grease free.

Movement
Brass

Dial
Aluminium, white
Dial marking black

Marking
„Oxygen“ for oxygen and symbol for „free from oil and grease“
„Acetylene“ for acetylene

Pointer
Aluminium, black

Housing
D 2 – sheet steel (gold or black)
D 3 – stainless steel 304 with rear blow-out

Front glass
Plastic, snap-in

Options

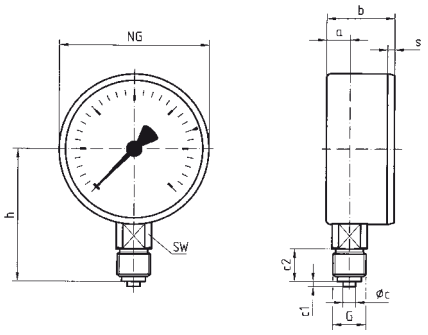
- *Litre scale for argon/CO_2*
- *Other connection threads*

Refer to page 348 for prices

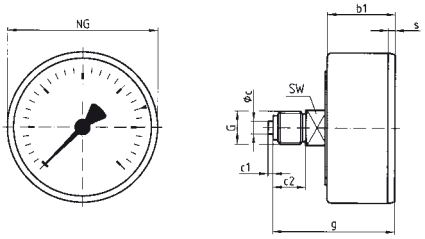
Bourdon tube pressure gauges for welding applications *Type D 3 – NG 50/63*

Housing types and dimensions

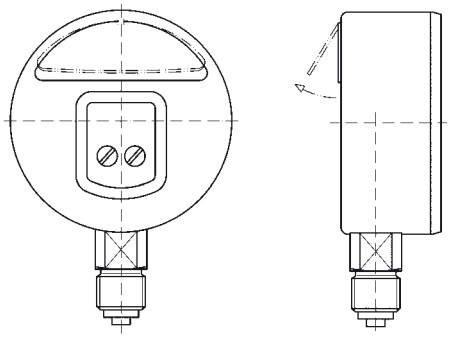
Bottom connection



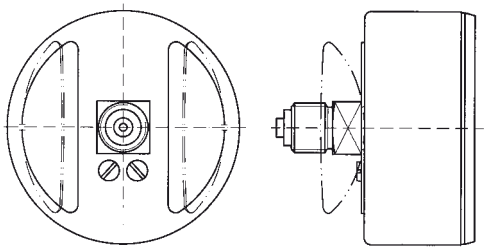
Centre back connection



Blow-out - bottom connection



Blow-out - centre back connection



Dimensions (mm)

Nominal size (NG)	*a*	*b*	*b1*	*Øc*	*c1*	*c2*	*G*	*g*	*h*	*s*	*SW*				
50	*10.5*	*29*	*26*	*5*	*2*	*13*	*G¼B*	*47*	*46*	*3.8*	*14*				
63	*11*	*29.5*	*29.5*	*5*	*2*	*13*	*G¼B*	*50.5*	*53*	*3.7*	*14*				