

Bourdon tube pressure gauge, article D11 (Standard pressure gauge)

Connection G 1/4" and G 1/2"

The liquid-filled model D11 Bourdon tube pressure gauge is constructed with a case from stainless steel and wetted parts from copper alloy. The model D11 meets the requirements of the international industry standard EN 837-1 for Bourdon tube pressure gauges.

- ☞ Connection below G 1/4" body size Ø 63,0 mm
- ☞ Connection below G 1/2" body size Ø 100,0 mm
- ☞ Connection back G 1/4" body size Ø 63,0
- ☞ Connection back G 1/2" body size Ø 100,0 mm

Due to the liquid filling in the case, the pressure element and movement are efficiently damped. Therefore, these instruments are particularly suited to measuring points with high dynamic loads, such as fast load cycles or vibrations.



	Ambient	-20°C ... +60°C
	Medium	0°C ... +60°C

Applications

- For measuring points with high dynamic pressure loads and vibrations
- For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts
- Hydraulics
- Compressors, shipbuilding

Special features

- Vibration and shock-resistant
- Especially robust design
- Type approval for the shipbuilding industry
- Scale ranges up to 0 ... 400 bar
- Design per EN 837-1
- Nominal size Ø 63, Ø 100

For mounting in control panels, the pressure gauges with a back mount process connection can be fitted with a mounting flange or with a triangular bezel and mounting bracket.

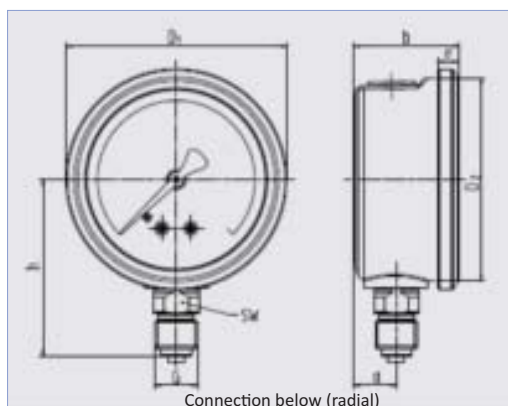
Specifications

Accuracy class	Ø 63: 1,6	Ø 100: 1,0
Pressure limitation	Ø 63: Steady 3/4 x full scale value Fluctuating 2/3 x full scale value Short time full scale value	Ø 100: Steady full scale value Fluctuating 0,9 x full scale value Short time 1,3 x full scale value
Process connection	Ø 63: Copper alloy	Ø 100: Copper alloy
Pressure element	Ø 63: Copper alloy, C-type or helical type	Ø 100: < 100 bar Copper alloy, C-type ≥ 100 bar Stainless steel 316L, helical type
Movement	Ø 63: Copper alloy	Ø 100: Copper alloy
Dial	Ø 63: Plastic ABS, white, with pointer stop pin	Ø 100: Aluminium, white, black lettering
Pointer	Ø 63: Plastic, black	Ø 100: Aluminium, black
Window	Ø 63: Plastic, crystal-clear	Ø 100: Plastic, crystal-clear
Case Filling	Ø 63: Glyzerine	Ø 100: Glyzerine
Ring	Crimped triangular bezel, stainless steel, glossy finish	
Case	Stainless steel, natural finish. Sealing towards process connection with O-ring. With all scale ranges, the filling plug can be vented for internal pressure compensation.	

Bourdon tube pressure gauge, article D11 (Standard pressure gauge)

Connection G 1/4" and G 1/2"

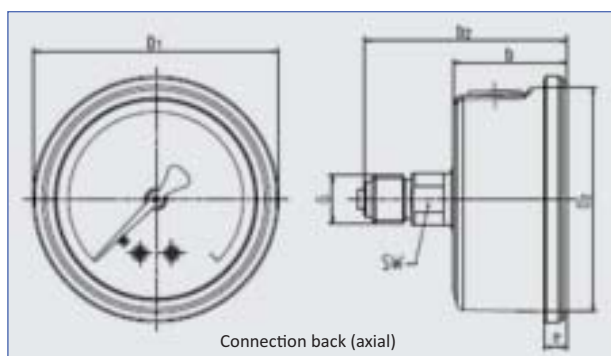
NS 63, NS 100



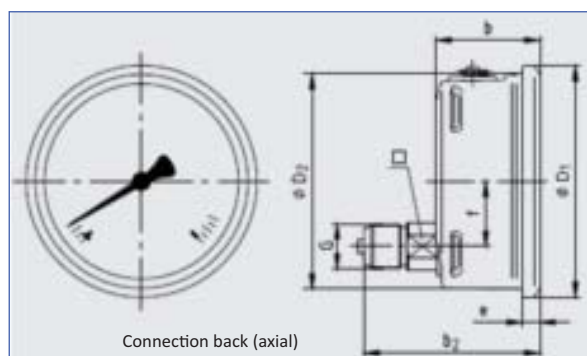
Article addition -X	Measuring ranges (bar)	Article addition -X	Measuring ranges (bar)
B	-1 up to 0	0	0 up to +4,0
D	-1 up to +0,6	P	0 up to +6,0
E	-1 up to +1,5	Q	0 up to +10,0
F	-1 up to +3,0	R	0 up to +16,0
G	-1 up to +5,0	S	0 up to +25,0
H	-1 up to +9,0	T	0 up to +40,0
I	-1 up to +15,0	U	0 up to +60,0
K	0 up to +0,6	V	0 up to +100,0
L	0 up to +1,0	W	0 up to +160,0
M	0 up to +1,6	X	0 up to +250,0
N	0 up to +2,5	Y	0 up to +400,0

Diameter NS	Connection below G	Article-No.:	Dimensions in mm							
		Connection below radial	a	b ± 0,5	D ₁	D ₂	e	h ± 1,0	SW	Weight (kg)
63	G 1/4"	325.4139.5.61-x	13,0	32	68,0	62,0	6,5	54,0	14,0	0,21
100	G 1/2"	325.4141.5.63-x	15,5	48	107,0	100,0	8	87,0	22,0	0,80

NS 63



NS 100



Diameter NS	Connection back side G	Article-No.:	Dimensions in mm							
		Connection back side axial	b ± 0,5	b2 ± 0,5	D ₁	D ₂	SW	e	f	Weight (kg)
63	G 1/4"	325.4153.5.61-x	32,0	56,0	68,0	62,0	14,0	6,5	-	0,21
100	G 1/2"	325.4155.5.63-x	48,0	81,5	107,0	100,0	22,0	8	30	0,80