

Bourdon tube pressure gauge, article D20 (For the process industry)

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

This high-quality Bourdon tube pressure gauge has been designed especially for the process industry. The use of high-quality stainless steel materials and the robust design are geared to applications in the chemical and process engineering industries. Thus the instrument is suitable for liquid and gaseous media, also in aggressive environments.

- ☞ **Connection below G 1/4" body size Ø 63,0 mm**
- ☞ **Connection below G 1/2" body size Ø 100,0 mm and Ø 160,0 mm**
- ☞ **Connection back G 1/4" body size Ø 63,0**
- ☞ **Connection back G 1/2" body size Ø 100,0 mm**

This instrument has as safety function a blow-out device with blow-out plug on the back of the case. In the event of a failure, overpressure can escape there.



	Ambient	-40°C ... +60°C
	Medium	-40°C ... +200°C

Applications:

- For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive environments
- Chemical and petrochemical industries, oil and gas industry, power engineering and also water and wastewater technology
- Machine building and general plant construction

Special features:

- Excellent load-cycle stability and shock resistance
- Completely from stainless steel
- Scale ranges up to 0 ... 400 bar
- Design per EN 837-1
- Nominal size Ø 63, Ø 100, Ø 160

Specification													
Accuracy class	Ø 63: 1,6 Ø 100, Ø 160: 1,0												
Pressure limitation	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Ø 63: Steady</td> <td style="width: 30%;">3/4 x full scale value</td> <td style="width: 30%;">Ø 100, Ø 160: Steady</td> <td style="width: 10%;">full scale value</td> </tr> <tr> <td>Fluctuating</td> <td>2/3 x full scale value</td> <td>Fluctuating</td> <td>0,9 x full scale value</td> </tr> <tr> <td>Short time</td> <td>full scale value</td> <td>Short time</td> <td>1,3 x full scale value</td> </tr> </table>	Ø 63: Steady	3/4 x full scale value	Ø 100, Ø 160: Steady	full scale value	Fluctuating	2/3 x full scale value	Fluctuating	0,9 x full scale value	Short time	full scale value	Short time	1,3 x full scale value
Ø 63: Steady	3/4 x full scale value	Ø 100, Ø 160: Steady	full scale value										
Fluctuating	2/3 x full scale value	Fluctuating	0,9 x full scale value										
Short time	full scale value	Short time	1,3 x full scale value										
Process connection	Ø 63: CrNi-Stahl 1.4571 (316Ti) Ø 100, Ø 160: Stainless steel 1.4404 (316L)												
Window	Ø 63: Polycarbonate Ø 100, Ø 160: Laminated safety glass												
Pressure element	Stainless steel 1.4404 (316L) C-type or helical type												
Movement	Stainless steel												
Dial	Aluminium, white, scale black, Ø 63 with stop pin												
Scale	Aluminium, black												
Ring	Bayonet ring, stainless steel												
Case	Stainless steel Ø 63 With blow-out device at case circumference, 12 o'clock Ø 100, Ø 160 With blow-out device on the back of the case Scale ranges ≤ 0 ... 16 bar with compensating valve to vent and reseal case												

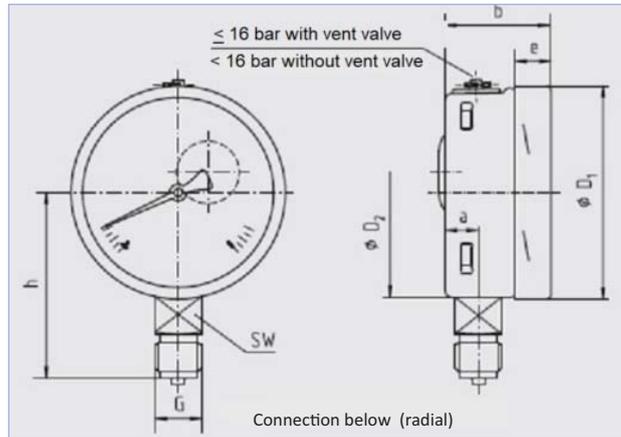
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Connection G 1/4" and G 1/2"

NS 63, NS 100, NS 160



Diameter NS	Connection below G	Article-No.:	Dimensions in mm								
			Connection below radial	a	b	D ₁	D ₂	e	h ± 1,0	SW	Weight (kg)
63	G 1/4"	325.4132.6.61-x		9,5	33,0	63,0	62,0	12,6	54,0	14,0	0,16
100	G 1/2"	325.4134.6.63-x		15,5	49,5	101,0	99,0	17,5	87,0	22,0	0,60
160	G 1/2"	325.4135.6.63-x		15,5	49,5	161,0	159,0	17,5	118,0	22,0	1,10

Scale ranges D20 below radial						
Article addition	G 1/4" Ø 63,0	Article addition	G 1/2" Ø 100,0	Article addition	G 1/2" Ø 160,0	
-X	Measuring ranges (bar)	-X	Measuring ranges (bar)	-X	Measuring ranges (bar)	
B	-1 up to 0	B	-1 up to 0	B	-1 up to 0	
D	-1 up to +0,6	D	-1 up to +0,6	D	-1 up to +0,6	
E	-1 up to +1,5	E	-1 up to +1,5	E	-1 up to +1,5	
F	-1 up to +3,0	F	-1 up to +3,0	F	-1 up to +3,0	
G	-1 up to +5,0	G	-1 up to +5,0	G	-1 up to +5,0	
H	-	H	-1 up to +9,0	H	-1 up to +9,0	
I	-	I	-1 up to +15,0	I	-1 up to +15,0	
L	0 up to +1,0	L	0 up to +1,0	L	0 up to +1,0	
M	0 up to +1,6	M	0 up to +1,6	M	0 up to +1,6	
N	0 up to +2,5	N	0 up to +2,5	N	0 up to +2,5	
O	0 up to +4,0	O	0 up to +4,0	O	0 up to +4,0	
P	0 up to +6,0	P	0 up to +6,0	P	0 up to +6,0	
Q	0 up to +10,0	Q	0 up to +10,0	Q	0 up to +10,0	
R	0 up to +16,0	R	0 up to +16,0	R	0 up to +16,0	
S	0 up to +25,0	S	0 up to +25,0	S	0 up to +25,0	
T	0 up to +40,0	T	0 up to +40,0	T	0 up to +40,0	
U	0 up to +60,0	U	0 up to +60,0	U	0 up to +60,0	
V	0 up to +100,0	V	0 up to +100,0	V	0 up to +100,0	
W	0 up to +160,0	W	0 up to +160,0	W	0 up to +160,0	
X	0 up to +250,0	X	0 up to +250,0	X	0 up to +250,0	
Y	0 up to +400,0	Y	0 up to +400,0	Y	0 up to +400,0	

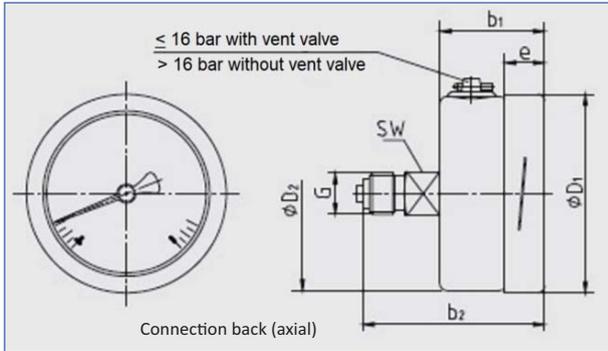
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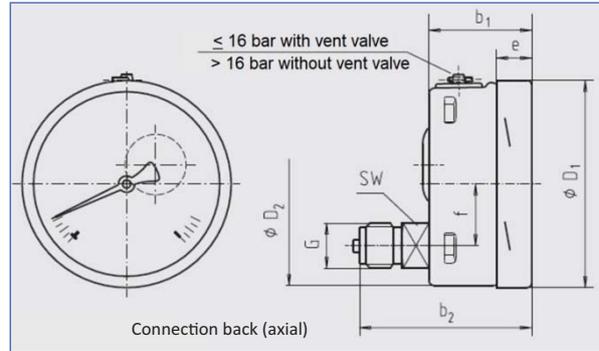
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Connection G 1/4" and G 1/2"

NS 63



NS 100



Diameter NS	Connection back side G	Article-No.:	Dimensions in mm							Weight (kg)	
			Connection back axial	b ₁	b ₂	D ₁	D ₂	SW	e		f
63	G 1/4"	325.4146.6.61-x		33,0	57,0	63,0	62,0	14,0	12,6	-	0,16
100	G 1/2"	325.4148.6.63-x		49,5	83,0	101,0	99,0	22,0	17,5	30,0	0,60

Scale ranges D20 back axial			
Article addition	G 1/4" \varnothing 63,0	Article addition	G 1/2" \varnothing 100,0
-X	Measuring ranges (bar)	-X	Measuring ranges (bar)
B	-1 up to 0	B	-
D	-1 up to +0,6	D	-
E	-1 up to +1,5	E	-
L	0 up to +1,0	L	-
M	0 up to +1,6	M	-
N	0 up to +2,5	N	0 up to +2,5
O	0 up to +4,0	O	0 up to +4,0
P	0 up to +6,0	P	0 up to +6,0
Q	0 up to +10,0	Q	0 up to +10,0
R	0 up to +16,0	R	0 up to +16,0
S	0 up to +25,0	S	0 up to +25,0
T	0 up to +40,0	T	0 up to +40,0
U	0 up to +60,0	U	0 up to +60,0
V	0 up to +100,0	V	-

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