



BOURDON
The Original by Baumer



Technical Data

Nominal size	150 mm
Measurement range	0...10 mbar to 0...250 mbar
Static pressure	Max. 250 mbar
Allowed single-sided overpressure	HP side: max. 250 mbar LP side: max. 130 % F.S.
Safety valve	Viton® - FKM Integrated on the HP side to protect the capsule
Accuracy	± 2% F.S.
Protection rating	IP 66 (EN 60529)
Capsule	Stainless steel 1.4404 (AISI 316L)
Case	Stainless steel 1.4301 (AISI 304)
Bezel ring	Stainless steel 1.4301 (AISI 304)
Movement	Brass
Window	Instrument glass
Window gasket	Elastomer

Main Features

- Low pressure measurement
- For non-corrosive gasses
- Accuracy +/- 2% F.S.
- Static pressure max. 250 mbar
- Option: case material 1.4404 (316L) for aggressive atmosphere

Applications

- Laboratory & Medical
- Oil & Gas / Chemical
- Machinery

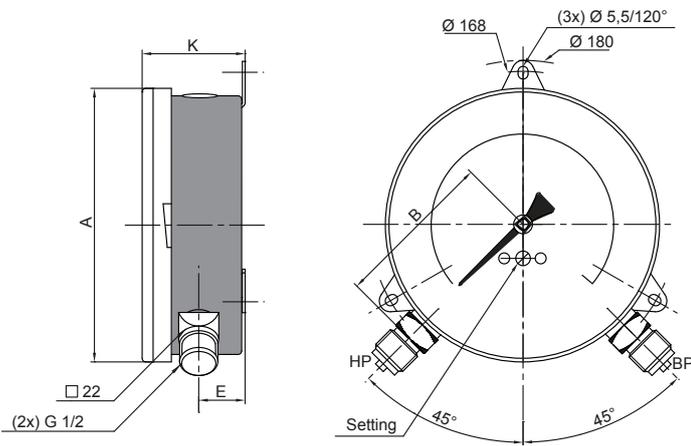
Dial	Aluminium, white
Pointer	Aluminium, black
Temperature	Ambient : -20 ... +60°C Medium: -20 ... +60°C Storage: -40 ... +70°C
Manifolds	3-way manifolds are recommended to ensure to apply the pressure simultaneously on both sides and avoid single-sided overload.
Working principle	The HP is applied inside the capsule and the LP outside the capsule (in the case). The deflection of the capsule results from the difference between the pressure inside (HP) and outside (LP).
Zero adjustment	+/- 10 % F.S. Adjustment screw accessible on the front side after removing of the bezel ring and window.

Options

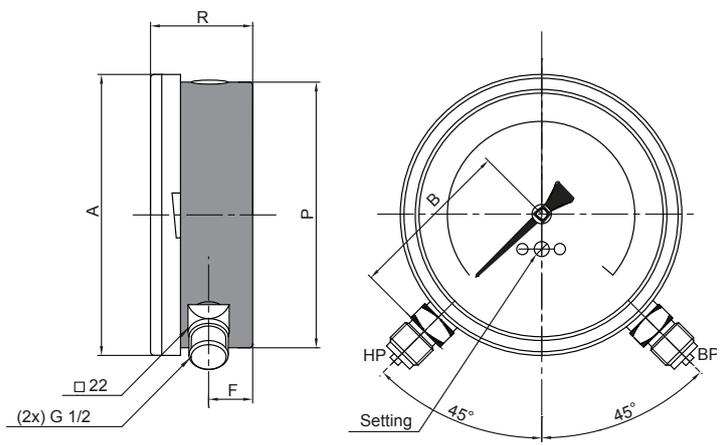
Stainless steel movement	Code 0651
Window laminated safety glass	Code 0751
Window Plexiglas	Code 0752
Oxygen application	Code 0765



Dimensions - Types of mounting



Type A



Type D

mm	A	B	E	F	K	P	R	Weight
NS 150	150.2	90	25.4	23	56.4	142	54.5	0.9

Pressure ranges

Code	mbar
N03	0 ... 10
N04	0 ... 16
N05	0 ... 25
N06	0 ... 40
N07	0 ... 60
N08	0 ... 100
N09	0 ... 160
N10	0 ... 250

Code	kPa
D03	0 ... 1
D04	0 ... 1.6
D05	0 ... 2.5
D06	0 ... 4
D07	0 ... 6
D08	0 ... 10
D09	0 ... 16
D10	0 ... 25

Code	mmH2O
R03	0 ... 100
R04	0 ... 160
R05	0 ... 250
R06	0 ... 400
R07	0 ... 600
R08	0 ... 1000
R09	0 ... 1600
R10	0 ... 2500



Ordering details MCD

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Model	Differential capsule pressure gauge	MCD							
Nominal size	150 mm	7							
Type of mounting			-						
Stainless steel case and bezel ring 1.4301 (AISI 304)	Bottom connection, 3 back lugs fixing							A	
	Bottom connection							D	
Stainless steel case and bezel ring 1.4404 (AISI 316L)	Bottom connection, 3 back lugs fixing							1	
	Bottom connection							4	
Process connection									
	G 1/2							3	
	1/2 NPT							6	
Liquid filling									
	Dry							0	
Measurement unit									
	mbar								Nxx
	kPa								Dxx
	mmH2O								Rxx
Options to be added behind the / (see example below)									/

(▶ Standard version)

⁽⁴⁾ Available standard pressures ranges, see tables on page 2. For ranges not listed, please contact Baumer.

Ordering example with options

