



**BOURDON**  
The Original by Baumer



### Main Features

- For corrosive gasses and liquids
- Class 0.6 (MVX) / 0.25 (MVE) according to EN 837-1
- Wetted parts Stainless steel
- Anti-parallax mirror

### Applications

- Food & Beverage
- Laboratory & Medical
- Oil & Gas / Chemical
- Water & Waste water
- Energy
- Transportation & Logistics
- Machinery

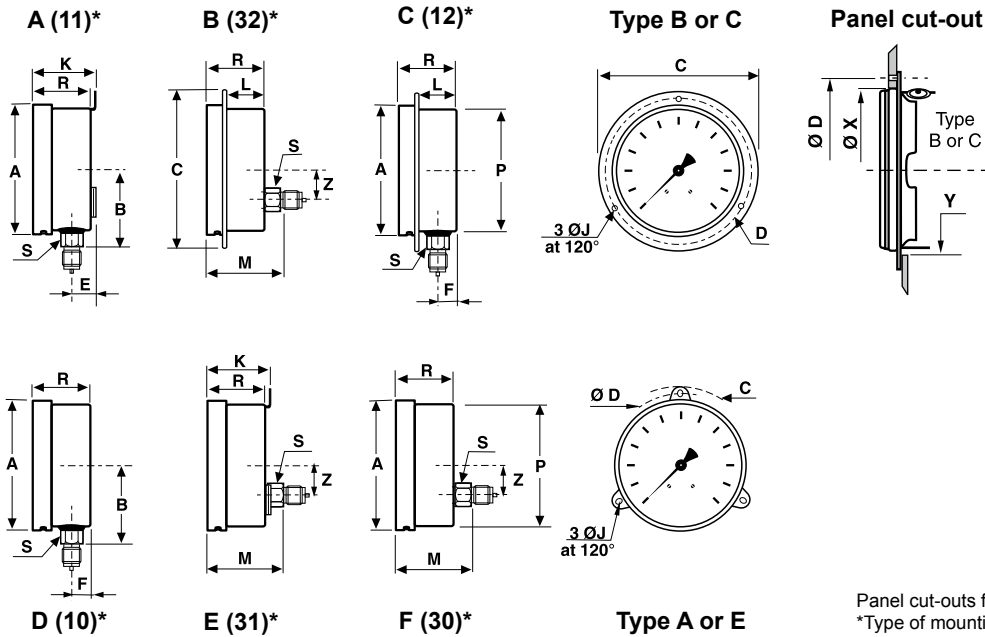
### Technical Data

Nominal size	150 mm	Pointer	Aluminium, black, with edgewise tip
Measurement range	-1 ... 0 to 0 ... 1000 bar	Temperature	Ambient : -20 ... +70°C Medium : -40 ... +200°C Storage : -40 ... +70°C
Pressure limitation	Steady : 75% of full scale value Fluctuating : 60% of full scale value Short time : 100% of full scale value	Thermal drift	± 0.4% F.S. / 10 K (reference : 20°C)
Accuracy	MVX : Class 0.6 MVE : Class 0.25	Calibration	P ≤ 60 bar with air P > 60 bar with fluid
Protection rating	IP 65 (EN 60529)		
Process Connection	Stainless steel 1.4404 (AISI 316L)		
Bourdon tube	Stainless steel 1.4404 (AISI 316L)		
Case	Stainless steel 1.4301 (AISI 304)		
Bezel ring	Stainless steel 1.4301 (AISI 304), polished		
Movement	Stainless steel		
Window	Instrument glass		
Window gasket	Elastomer		
Dial	Aluminium, white Anti-parallax mirror to avoid reading errors		

### Options

Window laminated safety glass	Code 0751	<b>To be ordered separately</b>	
Window Polymethacrylate	Code 0752	Calibration with certificate	Code Q1060
Laboratory cleanliness	Code 0835	Calibration certificate EN837-1	Code Q1070
Carrying case (only mounting type A-C-D)	Code 9908	(5 points raising and 5 points falling)	
Calibration with fluid (P ≤ 60 bar)	Code 0240		
Marking on the dial "F"			

**Dimensions - Types of mounting**



Weight (kg)  
Unfiled : 0.88

Panel cut-outs for types B and C = Ø 145 mm  
\*Type of mounting according to EN837-1 in brackets

mm	A	B	C	D	E	F	J	K	L	M	P	R	S	X	Y	Z
<b>NS 150</b>	150.2	85	180	168	22.5	23	5.5	56.5	39.3	68.5	142	54.5	22	151	145	31.5

**Pressure ranges**

Code	Bar	Code	kPa
B59	-1 ... 0	D59	-100 ... 0
B72	-1 ... 0.6	D72	-100 ... 60
B74	-1 ... 1.5	D74	-100 ... 150
B76	-1 ... 3	D76	-100 ... 300
B77	-1 ... 5	D77	-100 ... 500
B79	-1 ... 9	D79	-100 ... 900
B81	-1 ... 15	D81	-100 ... 1 500
B82	-1 ... 24	D82	-100 ... 2 400
B12	0 ... 0.6	D12	0 ... 60
B15	0 ... 1	D15	0 ... 100
B16	0 ... 1.6	D16	0 ... 160
B18	0 ... 2.5	D18	0 ... 250
B19	0 ... 4	D19	0 ... 400
B20	0 ... 6	D20	0 ... 600
B22	0 ... 10	D22	0 ... 1 000
B24	0 ... 16	D24	0 ... 1 600
B26	0 ... 25	D26	0 ... 2 500
B27	0 ... 40	D27	0 ... 4 000
B29	0 ... 60	D29	0 ... 6 000
B31	0 ... 100	D31	0 ... 10 000
B33	0 ... 160	D33	0 ... 16 000
B35	0 ... 250	D35	0 ... 25 000
B38	0 ... 400	D38	0 ... 40 000
B39	0 ... 600	D39	0 ... 60 000
B41	0 ... 1 000		

**Ordering details MV**

MV	7	-				.	xxx	/
----	---	---	--	--	--	---	-----	---

**Model**

Test pressure gauge

MV

**Accuracy**

Class 0.6

X

Class 0.25

E

**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

Back connection, front flange, 3 mounting holes

B

Bottom connection, front flange, 3 mounting holes

C

Bottom connection

D

Back connection, 3 back lugs fixing

E

Back connection

F

**Stainless steel case and bezel ring 1.4404 (AISI 316L)**

Bottom connection, 3 back lugs fixing

1

Back connection, front flange, 3 mounting holes

2

Bottom connection, front flange, 3 mounting holes

3

Bottom connection

4

Back connection, 3 back lugs fixing

5

Back connection

6

**Process connection**

G 1/2

3

1/2 NPT

6

**Liquid filling**

Dry

0

**Unit of measurement / Pressure ranges <sup>(1)</sup>**

bar

Bxx

kPa

Dxx

Options to be added behind the / (see example below)

<sup>(1)</sup> Available standard pressures ranges, see tables on page 2. For ranges not listed, please contact Baumer.

**Ordering example with options**

MVX	7	-	C	6	0	.	B22	/	0751	-	9908
-----	---	---	---	---	---	---	-----	---	------	---	------

Test pressure gauge class 0.6

Nominal size 150 mm

Bottom connection, front flange, 3 mounting holes, case material 1.4301

Process connection 1/2 NPT

No liquid filling

Scale 0 ... 10 bar

Option : Laminated safety glass

Option : Carrying case