

MV Test gauges DN 150

Ranges : from -1...0 to 0...1000 bar

All stainless steel test gauge : MVX - MVE

Accuracy Class 0.6 (MVX) 0.25 (MVE)

Anti-parallax mirror

Conform to EN 837 standard, Pressure Directive PED 97/23/CE



MV test gauges are precision gauges used to calibrate (with pressure comparators)* or to check other industrial pressure gauges mounted on industrial equipment.

A periodic verification against a deadweight tester is recommended in order to verify their initial accuracy.

Technical Data (20°C)

Ranges	From -1...0 to 0...1000 bar (see standard graduations overleaf)
Working pressure (-1 ... 1000 bar)	Steady: 75% of full scale value Fluctuating: 60% of full scale value Short time: 100% of full scale value
Thermal drift	±0.4% for a variation of ±10°C (50°F) in relation to the reference temperature 20°C (68°F)
Accuracy class	Class 0.6 (MVX) Class 0.25 (MVE)
Degree of protection	IP 65 according to NF EN 60529
Sensing element	P ≤ 2.5 bar and P ≥ 1000 bar: 1.4404 (316L) stainless steel, solid drawn tube. 2.5 < P < 1000 bar: 1.4571 (316Ti) st. steel, rolled welded tube. Tube shape: < 60 bar: in C ≥ 60 bar: helicoi
Connection	1.4571 (316Ti) or 1.4404 (316L) st. steel, 22 mm square
Thread	G 1/2 or 1/2 NPT
Case	1.4301 (304) stainless steel
Bezelring	1.4301 (304) polished stainless steel. Bayonet lock type
Window	Glass, 3 mm thick
Window gasket	Elastomer. Ensures tightness between window and case
Mouvement	Stainless steel
Dial	Aluminium alloy, without zero stop. Fine graduations on 300° and black figures on white background (see subdivisions over leaf).Anti-parallax mirror to prevent reading errors.

Pointer	Aluminium alloy, balanced, black-painted, knife-edged end.
Blow-out disc	Elastomer. Positioned at the top of the pressure gauge. Ensures pressure balance with atmosphere. Blows out when pressure inside the case exceeds 0.6 bar (10 psi)

Options

Double or special graduations other than bar
Toughened **Code 0756** or laminated glass **Code 0751** or Polymethacrylate window **Code 0752**
Other threads smaller than or equal to G 1/2
Carrying case (only mounting type A-C-D) **Code 9908**
Oxygen application **Code 0765**
Laboratory cleanliness **Code 0835**
Calibration with certificate **Code Q1060**

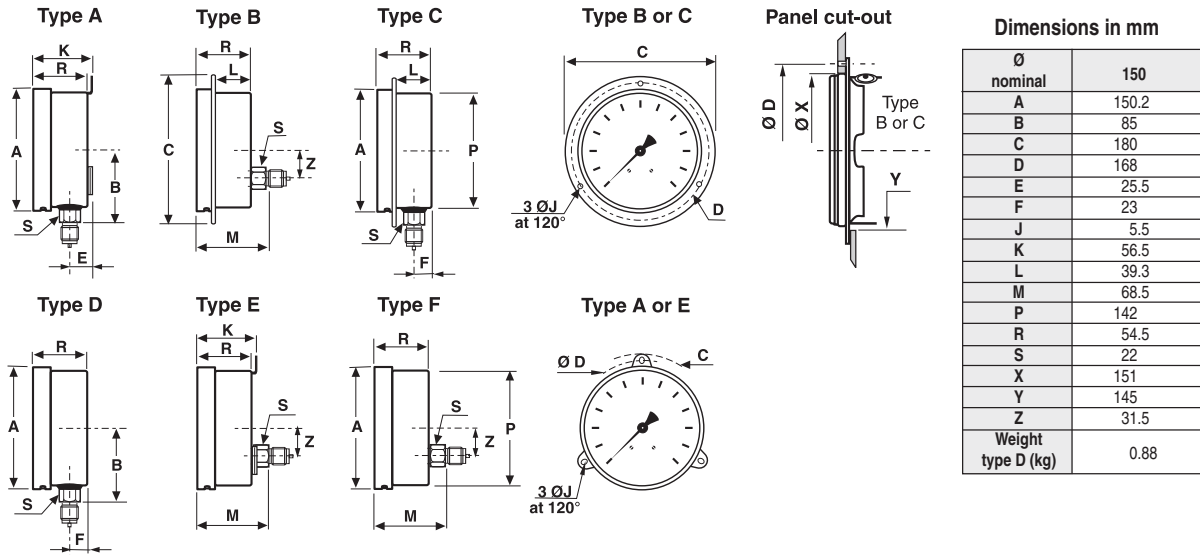
Master Gauge Co.



WHEN UNDER PRESSURE THINK OF US!

1150 W. GRAND AVE. CHICAGO, IL 60642 - TOLL-FREE: 1-800-259-2705 - PHONE: 1-312-666-2705 - FAX: 1-312-666-6458 - MASTERGAUGE.CO.COM

Dimensions (mm)



Ordering Details - MV

		Mxx7xx0Bxx
Model	1' digit	
Pressure gauges		M
Type	2'... 3 digit	
MVX (0.6%)		VX
MVE (0.25%)		VE
Dial diameter	4' digit	
Ø 150 mm		7
Type of mounting*	5' digit	
Bottom connection, 3 back lugs		A
Back connection, front flange		B
Bottom connection, front flange		C
Bottom connection		D
Back connection, 3 back lugs		E
Back connection		F
* Option: stainless steel case and bezel ring 1.4404 (316L) replace A with 1, B with 2, C with 3, D with 4, E with 5 and F with 6		
Pressure connection	6' digit	
G 1/2		3
1/2 NPT		6
Type of liquid filling	7' digit	
Without filing		0
Measurement unit	8' digit	
bar		B
kPa		D
Pressure range	9'...10' digit	
See codes in table		xx

code	bar	subdivisions (bar)
59	-1 + 0	0.005
72	-1 + 0.6	0.01
74	-1 + 1.5	0.02
76	-1 + 3	0.02
77	-1 + 5	0.05
79	-1 + 9	0.05
81	-1 + 15	0.01
82	-1 + 24	0.2
12	0 + 0.6	0.005
15	0 + 1	0.005
16	0 + 1.6	0.01
18	0 + 2.5	0.02
19	0 + 4	0.02
20	0 + 6	0.05
22	0 + 10	0.05
24	0 + 16	0.1
26	0 + 25	0.2
27	0 + 40	0.2
29	0 + 60	0.5
31	0 + 100	0.5
33	0 + 160	1
35	0 + 250	2
38	0 + 400	2
39	0 + 600	5
41	0 + 1000**	5

** MVE with accuracy ± 0.25% and hysteresis 0.4%

Uncoded options :

PNEUMATIC RECEIVER 0.2 - 1 bar - 3-15 psi	subdivisions
0 - 10 lin.	0.1
0 - 10 √	*
0 - 100 lin.	1
0 - 100 √	*

* Non linear internal scale.

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