

MAT Steel case and bezel ring pressure gauges

Ø 40 - 50 - 63 - 80 - 100 mm

Pressure gauges developed for OEM applications in compressed gases, lubricating circuits, hot or cold water networks.



Specifications (20°C)

Ranges	From -1...0 to 0...+ 1000 bar. (see standard graduations overleaf)
Standard accuracy	± 2.5% of full scale for MAT Ø 40-50 ± 1.6% of full scale for MAT Ø 63-80-100
Standard degree of protection	IP 32 according to NF EN 60 529.
Sensing element	Cupreous metal BOURDON tube.
Connection	Brass, with 14 mm square.
Thread	G 1/8 (MAT Ø 40) G 1/4 (MAT Ø 50, 63) G 1/2 (MAT Ø 80, 100)
Tube connection assembly	Welded : Sn/Pb up to 40 bar Sn/Ag greater than 40 bar
Operating temperature	Welded : Sn/Pb : from - 20° to 80°C Sn/Ag : from - 30° to 100°C.
Case	Black painted steel.
Bezel ring	Steel bezel ring crimped on case (except type F, Ø 40)
Window	Plastic (MAT Ø 80-100), Kostil (MAT Ø 40-50-63).
Dial bar)	White ABS (MAT Ø 40-50-63 and P - 40 Aluminium alloy, black graduations and figures on white background (others).
Pointer	Knife-edge, aluminium alloy, black painted.

Options

Uncoded options (have to be listed after the code number)

Restrictor screw in connection
Male thread out of standard
Special dial
Special graduations
Other mountings.

BOURDON
HAENNI

made to measure



Dimensions (mm)

Ø 40, 50, 63

Type D

Type F

Weight Ø	Type D, F
40	60g
50	90g
63	100g

Type	D/F		D	F	D/F
Dimensions Ø	D	B	A	A	C
40	40	24	37	40	G1/8
50	51	28	48	52	G1/4
63	63	29,5	54	54	G1/4

Ø 80, 100

Type D

G1/2

Ø mm	Type D	Weight in g
80		270
100		360

Ø in mm	A	E1	G
80	83	14	35
100	101	14	35

Codification - MAT

Model		MATxxx0Bxx	
Pressure gauges	1'...3' digit	MAT	
Nominal diameter	4' digit		
Ø 40 mm		1	
Ø 50 mm		2	
Ø 63 mm		3	
Ø 80 mm		4	
Ø 100 mm		5	
Type of mounting	5' digit		
bottom connection		D	
back connection		F	
Hydraulic connection	6' digit		
G 1/8 (for Ø 40)		1	
G 1/4 (for Ø 50-63)		2	
G 1/2 (for Ø 80 -100)		3	
Liquid filling	7' digit		
Without		0	
Pressure range	8'...10' digit		
bar		B	

See codes in table

code	ranges (bar)	Ø	40	50	63	80	100
74	-1 + 1.5						X
59	-1 + 0		X		X	X	
15	0 + 1		X	X	X	X	X
16	0 + 1.6		X	X	X	X	X
18	0 + 2.5		X	X	X	X	X
19	0 + 4		X	X	X	X	X
20	0 + 6		X	X	X	X	X
22	0 + 10		X	X	X	X	X
24	0 + 16		X	X	X	X	X
26	0 + 25		X	X	X	X	X
27	0 + 40		X	X	X	X	X
29	0 + 60		X		X	X	X
31	0 + 100		X		X	X	X
33	0 + 160		X		X	X	X
35	0 + 250		X		X	X	X
38	0 + 400				X ⁽¹⁾		X
39	0 + 600				X ⁽¹⁾		
41	0 + 1000				X ⁽¹⁾		

⁽¹⁾ Type G only

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