

# MJX7-MMJ7 Solid Front Pressure Gauges fillable

Can be used in corrosive gases and liquids that are not crystallizing

Accuracy Class 1

Without or with dampening fluid

Conform to European standard EN 837-1, safety class S1 and Pressure Directive PED 97/23/CE

These pressure gauges are well suited for the process industry applications including : Petrochemical, Chemical plants, Energy...

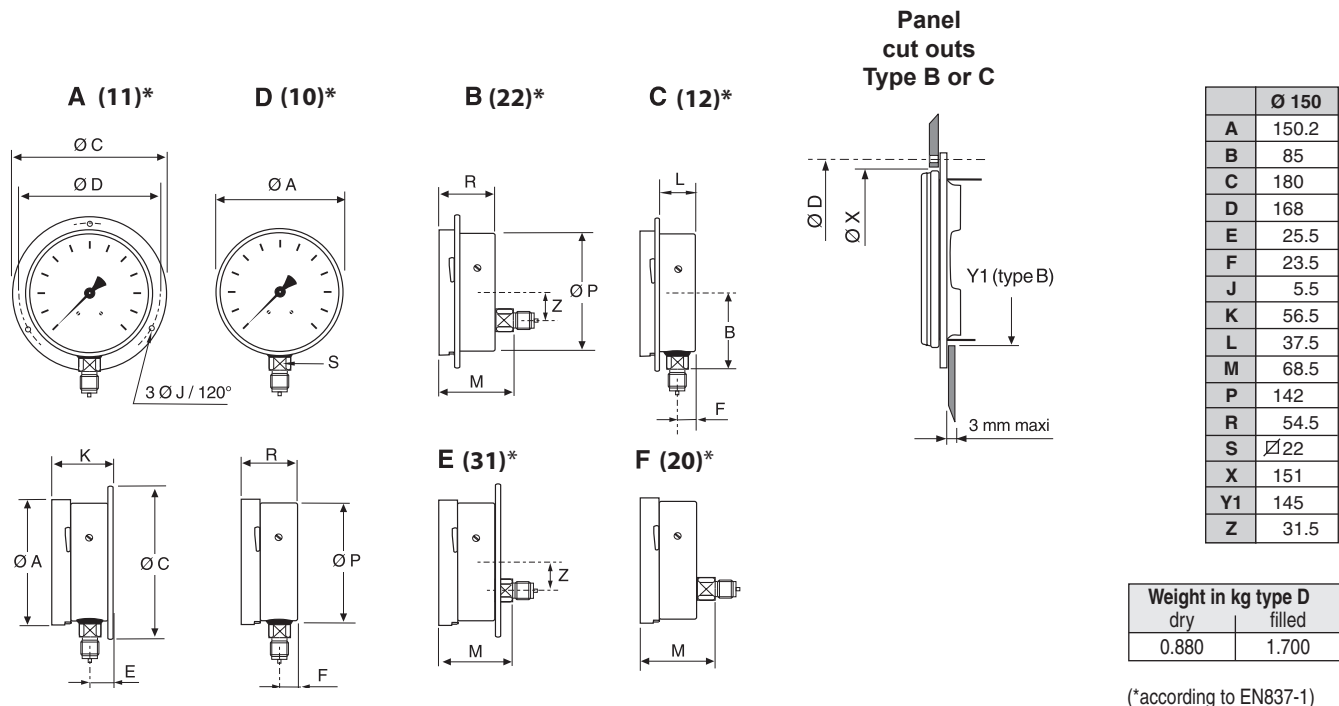
These versions have been developed with solid baffle wall between the sensing element and the dial.



## Technical Data (20°C)

<b>Nominal size</b>	150 mm	<b>Options</b>	
<b>Measurement range</b>	<b>MJX</b> -1 ... 0 to 0 ... 1600 bar <b>MMJ</b> -1 ... 0 to 0 ... 600 bar	<b>Accuracy class</b>	0.5 P > 1 bar <i>Code 0843</i> 0.6 P > 1 bar <i>Code 0840</i>
<b>Working pressure</b> (-1 ≤ P ≤ 600 bar)	Steady : 100% FS Fluctuating : 90% FS Short time : 130% FS	<b>Version Ex (ATEX II2 GDc-IM2c)</b> (Included option code 0751)	<i>Code 0078</i>
<b>(P ≥ 1000 bar)</b>	Steady : 75% FS Fluctuating : 60% FS Short time : 100% FS	<b>Safety laminated glass in Triplex</b>	<i>Code 0751</i>
<b>Accuracy class</b>	1	<b>Oxygen application</b>	<i>Code 0765</i>
<b>Protection rating</b>	IP 65 (EN 60529)	<b>St. steel 1.4404 (AISI 316L)</b> <b>solid drawn Bourdon tube (MJX)</b>	<i>Code 0816</i>
<b>Process connection</b>		<b>Micro metric pointer (P ≥ 1.6 bar)</b>	<i>Code 0678</i>
<b>Type</b>	G1/4, 1/4NPT, G1/2, 1/2NPT	<b>Friction pointer</b>	<i>Code 0679</i>
<b>Material</b>	<b>MJX</b> St. steel 1.4404 (AISI 316L) <b>MMJ</b> Monel 400	<b>Material certificate EN10204 3.1</b>	<i>Code Q1229</i>
<b>Case</b>	St. steel 1.4301 (AISI 304) (option 1.4404)	<b>Calibration certificate EN837-1</b> (5 points raising and 5 points falling)	<i>Code Q1070</i>
<b>Bezel ring</b>	St. steel 1.4301 (AISI 304) (option 1.4404)		
<b>Bourdon tube</b>	<b>MJX</b> St. steel 1.4404 (AISI 316L) <b>MMJ</b> Monel 400		
<b>Movement</b>	St. steel		
<b>Window</b>	Instrument glass		
<b>Window gasket</b>	Elastomer		
<b>Dial</b>	Aluminium		
<b>Pointer</b>	Aluminium		
<b>Temperature</b>	Ambient -20 ... +70°C Process -40 ... +200°C (not filled) Process -20 ... +70°C (filled BH1) (The gauge temperature does not exceed +70°C) Storage -40 ... +70°C Drift ± 0.4% FS/10°C		
<b>Safety</b>	S1 Pressure gauge with blow-out device		

## Dimensions - Types of mounting



## Ordering Details - MJX7 - MMJ7

Model	1...3 digit	Mxxxxxxx
All Stainless steel Pressure Gauge		MJX
Pressure gauge with monel Bourdon tube (1)		MMJ
<b>Nominal size</b>	<b>4' digit</b>	
150 mm		7
<b>Type of mounting</b>	<b>5' digit</b>	
<b>Stainless steel case and bezel ring 1.4301 (standard)</b>		
Bottom connection, 3 back lugs fixing		A
Back connection, front flange, 3 mounting holes		B
Bottom connection, front flange		C
Bottom connection		▶ D
Back connection, 3 back lugs fixing		E
Back connection		▶ F
<b>Stainless steel case and bezel ring 1.4404 (AISI 316L)</b>		
Bottom connection, 3 back lugs fixing		1
Back connection, front flange, 3 mounting holes		2
Bottom connection, front flange		3
Bottom connection		4
Back connection, 3 back lugs fixing		5
Back connection		6
<b>Process connection</b>	<b>6' digit</b>	
G 1/4		2
G 1/2		▶ 3
1/4 NPT		5
1/2 NPT		6
<b>Liquid filling</b>	<b>7' digit</b>	
Dry		▶ 0
BH1** (glycerin/water) (-20 ... +70°C)		▶ 1
BH3** (silicone) (-40 ... +100°C)		▶ 3
BH4** (silicone) (-60 ... +100°C)		4
**Pressure range 0.6 bar class 2.5		
<b>Unit of measurement</b>	<b>8' digit</b>	
bar		▶ B
kPa		D
kg/cm <sup>2</sup>		F
psi		H
<b>Pressure ranges</b>	<b>9'...10' digit</b>	
See table		xx

(▶ Standard version)

bar, kPa	bar		kPa		psi	
	bar	kPa	psi	psi	psi	psi
59	-1 + 0	-100 + 0	59	-30"Hg+	0	0
72	-1 + 0.6	-100 + 60	73	-30"Hg+	15	15
74	-1 + 1.5	-100 + 150	75	-30"Hg+	30	30
76	-1 + 3	-100 + 300	2C	-30"Hg+	60	60
77	-1 + 5	-100 + 500	78	-30"Hg+	100	100
79	-1 + 9	-100 + 900	79	-30"Hg+	150	150
81	-1 + 15	-100 + 1500	81	-30"Hg+	220	220
82	-1 + 24	-100 + 2400	82	-30"Hg+	300	300
12	0 + 0.6	0 + 60	13	0 +	10	10
15	0 + 1	0 + 100	15	0 +	15	15
16	0 + 1.6	0 + 160	1C	0 +	20	20
18	0 + 2.5	0 + 250	17	0 +	30	30
19	0 + 4	0 + 400	19	0 +	60	60
20	0 + 6	0 + 600	21	0 +	100	100
22	0 + 10	0 + 1000	22	0 +	160	160
24	0 + 16	0 + 1600	23	0 +	200	200
26	0 + 25	0 + 2500	25	0 +	300	300
27	0 + 40	0 + 4000	26	0 +	400	400
29	0 + 60	0 + 6000	27	0 +	600	600
31	0 + 100	0 + 10000	30	0 +	1000	1000
33	0 + 160	0 + 16000	31	0 +	1500	1500
35	0 + 250	0 + 25000	34	0 +	3000	3000
38	0 + 400	0 + 40000	38	0 +	6000	6000
39	0 + 600	0 + 60000	40	0 +	10000	10000
41	0 + 1000	0 + 100000	41	0 +	15000	15000
42	0 + 1600	0 + 160000	1D	0 +	20000	20000

(1) Monel version (MMJ) is not available in codes 41, 42 and 1D