

# BOURDON PRESSURE GAUGES TYPE MX-MXG

Stainless Steel body - Max. range 1600 bar - Dial size 63 ÷ 250 mm - Direct mounting, Bottom, Flange, Back

MX series Stainless Steel gauge  
MXG series Stainless Steel gauge liquid filled

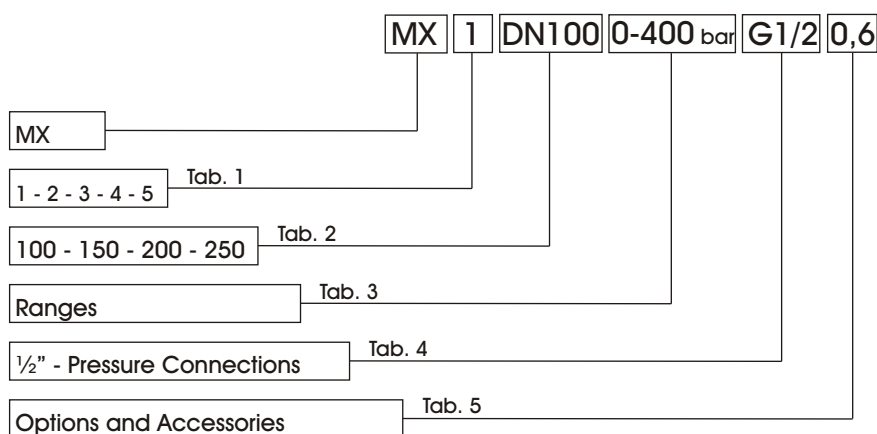
## DESIGN FEATURES

DIAL SIZE (DS):	mm 63 – 80 – 100 – 150 – 200 – 250MX mm 63 – 80 – 100 – 150 MXG
ACCURACY:	1 (1,6 per Ø 63 – 80) according EN837-1
CASE and RING:	Stainless Steel AISI 304 with bayonet clutch; nitrile rubber NBR safety plug
PRESSURE CONNECTION:	Stainless Steel AISI 316; Thread according UNI ISO 228/1 G 1/4" A (Ø 63 e 80) - G 1/2" A (Ø 100 - 150 - 200 - 250).
ELASTIC ELEMENT:	S.S. AISI 316L with argon soldering. 'C' bourdon tube up to 60 bar.
MOVEMENT:	S.S. AISI 304.
POINTER:	black anodized aluminum; zero adjustment.
WINDOW:	glass 3 mm thick – plastic for MXG.
WINDOW GASKET:	Nitrile rubber NBR.
DIAL:	with aluminum; black scale and graduation according to EN837-1.

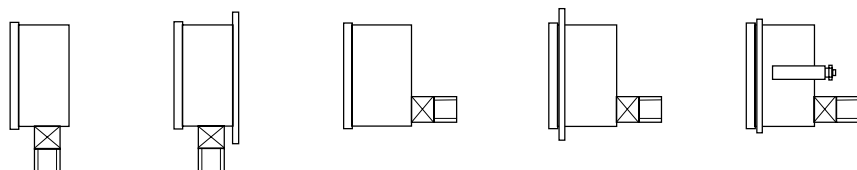
## TECHNICAL CHARACTERISTICS

OPERATING PRESSURE	Constant: 75% F.V.S. - Changeable 60% F.V.S.
OPERATING TEMPERATURE:	
• Ambient	-30 ÷ 80 °C (MX) -10 ÷ 70 °C (MXG)
• Process fluid	-30 ÷ 400 °C (MX) -10 ÷ 80 °C (MXG)
OVERPRESSURE	Up to 60 bar 25% F.V.S - From 100 bar: 15% F.S.V.
THERMAL DRIFT:	max ±0,3% of span every 10 °C of deviation from the reference temperature of 20 °C dell
PROTECTION:	IP55 or IP65 (MXG)
LIQUID FILLED:	Glycerol 90%
NOTES:	In presence of ammonia, oxygen, nitric acid or other oxidizing products and in general for petrolchemical industry, the use of glycerine (MXG series) is inadvisable.

## ORDERING CODE



## MOUNTING Tab. 1



MX1 - MXG1

MX2 - MXG2

MX3 - MXG3

MX4 - MXG4

MX5 - MXG5

MX1 - MXG1	Direct, bottom connection.
MX2 - MXG2	Wall with 3 holes flange; bottom connection.
MX3 - MXG3	Direct, back connection.
MX4 - MXG4	Panel with 3 holes flange, back connection.
MX5 - MXG5	Panel with U clamp, back connection.

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## DIAL SIZE (DS) Tab. 2

DN 63 - DN 80 - DN 100 - DN 150 - DN 200 - DN 250

## RANGES Tab. 3

Vacuum and Compound gauges bar		Pressure gauges bar					
-1 / 0	-1 / 0 / 5	0 / 0,6	0 / 2,5	0 / 10	0 / 40	0 / 160	0 / 600
-1 / 0 / 0,6	-1 / 0 / 9	0 / 1	0 / 4	0 / 16	0 / 60	0 / 250	0 / 1000
-1 / 0 / 1,5	-1 / 0 / 15	0 / 1,6	0 / 6	0 / 25	0 / 100	0 / 400	0 / 1600
-1 / 0 / 3	-1 / 0 / 24	DN 63 e 80 max 1000 bar					

Equivalent units and ranges for pressure or vacuum.

## PRESSURE CONNECTION tab. 4

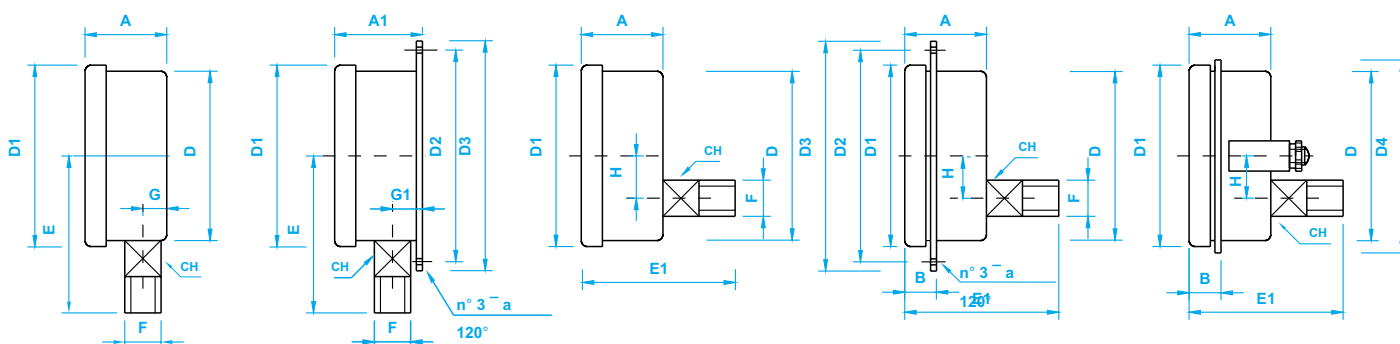
1/4" e 1/2" Gas Male (Other on request)

## OPTION and ACCESSORIES tab. 5

- SPECIAL SCALE: Single - Double (bar / ps - bar / Kpa)
- ACCURACY CLASS: 0,6
- SPECIAL CONNECTIONS
- MAX / MIN / MIN & MAX DRAGGING POINTERS (DN 100-150-200)
- SAFETY GLASS
- FILLING LIQUID FOR LOW TEMPERATURES (-20 °C)
- DEGREASING FOR OXYGEN
- DIRECT OR REMOTE DIAPHRAGM SEALS
- ELECTRIC OR INDUCTIVE CONTACTS (For DN 100 - 150)
- ANGULAR TRANSDUCERS OUTPUT 0/4 -20 mA (DN 150)
- DAMPENERS
- SIPHONS
- COCKS and VALVES

For accessories see the relevant sheets.

## OPTION and ACCESSORIES tab. 5



DN	D	D1	D2	D3	D4	Ø	A	A1	B	CH	E	E1	F	G	G1	H	Ø panel drilling	with electric contacts		weight	
																		A <sub>max</sub>		MX	MXG
63	62	70	75	85	85	3,5	34	-	18	14	54	59	1/4"	10	-	18	65	-	0,2	0,3	
80	79	88	95	106	90	4,5	40	44	20	14	62	65	1/4"	10	15	20	83	-	0,3	0,5	
100	101	114	116	132	115	5	54	58	25	22	86	89	1/2"	18	22	32	105	83	0,8	1,1	
150	149	162	178	195	162	6	54	58	25	22	110	89	1/2"	18	22	50	153	83	1,2	1,8	
200	189	208	216	237	208	6	55	63	25	22	135	95	1/2"	16	23	50	194	-	1,5	-	
250	239	258	270	290	258	6	55	63	25	22	160	95	1/2"	16	23	50	245	-	1,8	-	