1. Ideal for viscous fluid
2. High over pressure
3. Optional alarms

MMX

Horizontal diaphragm pressure gauges

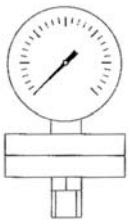
Description

Gauges particulary suitable for high viscosity and high crystallization fluids and in general every time corrosive gases and liquids are used. Connection to the process can be threaded or flanged with joint pins. The sensing element is formed by a corrugated diaphragm withc is clamped horizzontaly between two flanges.

Design features

Diai size (DS):	mm 100 - 150 - 200.
Accuracy:	class 1 according to EN837-3.
Case and ring:	304 stainless steel with bayonet clutch; nitrile rubber NBR safety plug.
Pressure connection:	316 stainless steel. G1/2" a UNI ISO 228/1. Flange according to UNI and ANSI norms complete with joint pins.
Elastic element:	316 stainless steel diaphragm.
Movement:	304 stainless steel.
Pointer:	black anodized aluminium with zero adjustament.
Window:	glass 3 mm thick.
Window gasket:	nitrile rubber NBR.
Dial:	white aluminium; black scale and graduation according to EN837-3.

Mounting



MMX1
Direct, bottom threated connection.

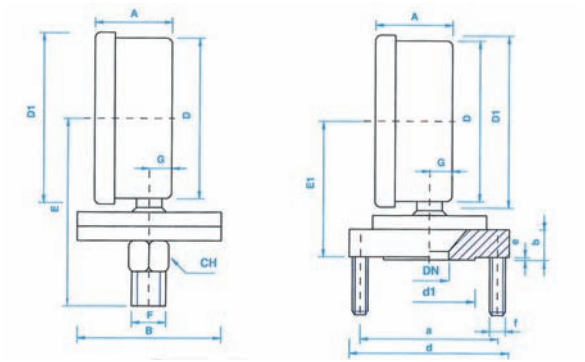
MMX4
Direct, flanged connection according to UNI or AISI norms.

Ranges

Vacuum and compound gauges				Pressure gauges			
mBar		Bar		mBar		Bar	
-25/0	-160/0	-1/0	-1/0/5	0/25	0/160	0/0,6	0/4
-40/0	-250/0	-1/0/0,6	-1/0/9	0/40	0/250	0/1	0/6
-60/0	-400/0	-1/0/1,5	-1/0/15	0/60	0/400	0/1,6	0/10
-100/0	-600/0	-1/0/3		0/100	0/600	0/2,5	0/16

Equivalent ranges and units fore pressure or vacuum.

Dimensions (mm) and weights (kg)



RANGE	B	WEIGHT DN		
		100	150	200
0/25 mbar ÷ 0/60 mbar	150	4,3	4,5	4,9
0/100 mbar ÷ 0/160 mbar	130	3,7	3,9	4,3
0/250 mbar ÷ 0/16 bar	95	2,6	2,8	3,2

DS	D	D1	A	CH	E	E1	F	G	Amax
100	101	114	54	22	130	90	1/2"	18"	83
150	149	162	54	22	130	110	1/2"	18"	83
200	189	208	55	22	130	140	1/2"	18	-

UNI flanges (B=95)

DS	PN (Bar)	d	a	d1	b	e	f
15	2,5/6 10/40	95 95	55 65	40 45	16 20	2 2	4xM10 4xM12
20	10/40	105	75	58	18	2	4xM12
25	10/40	115	85	68	18	2	4xM12
32	10/40	140	100	78	24	2	4xM16
40	10/40	150	110	88	26	3	4xM16
50	10/40	165	125	102	20	3	4xØ18

ANSI flanges (B=95)

DS	PN (Psi)	d	d1	a	b	e	f
1/2"	150 300	95 95	34,9	60,3 66,7	22	1,6	4xM14
3/4"	150 300	98 118	42,9	69,8 82,5	22	1,6	4xM14 4xM16
1"	150 300	108 124	50,8	79,4 88,9	20 22	1,6	4xM14 4xM16
1" 1/2	150 300	127 156	73	98,4 114,3	20 26	1,6	4xM14 4xM20
2"	150 300	152 165	92,1	120,6 127	19 23	1,6	4xØ19 8xØ19

Technical characteristics

Operating pressure: costant: 75% F.S.V.
changeable: 60% F.S.V.

Operating temperature: Ambient -20 ÷ 65°C.
Process fluid -20 ÷ 100°C.

Overpressure:

Range:	Max pressure:
up to 0/1,6 Bar	6 Bar
0/2,5 Bar	10 Bar
0/4 and 0/6 Bar	20 Bar
0/10 and 0/16 Bar	20 Bar

Thermal drift: max ±0,6% of span every 10°C of deviation from the reference temperature of 20°C.

Protection rating: IP55 according to EN 60529.

Options and accessories

Special scales: single and double.
Teflon coating of wetted parts.

Liquid filling: glicerol 90% (Tamb. 5 - 65°C)
or silicone oil (Tamb. -20 - 80°C).

Accessories: Special connections.
Calibration for high temperatures.
Max/min/min & max dragging pointers (DN 100-150-200).
Oxygen degreasing.
Electronic or inductive contacts (for DN 100-150).
Angolar trasducers output 0/4 - 20 mA (DN 150).
Dampeners.
Siphons.
Valves.