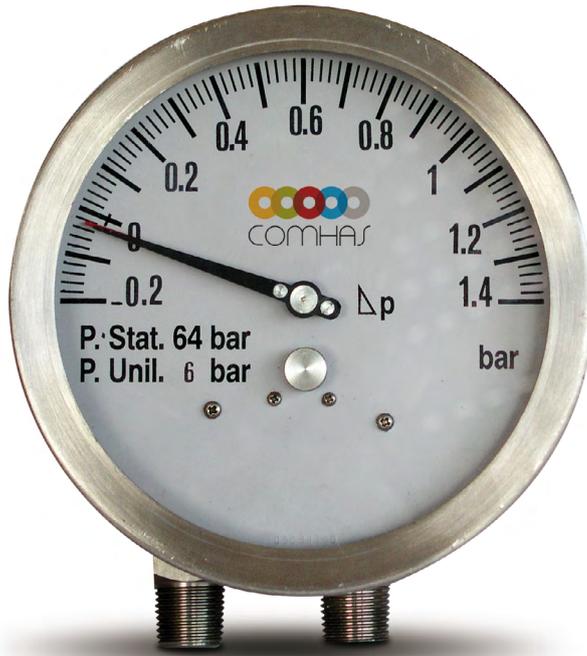




MDC

Differential pressure gauges



Versions with or without alarm
 From 0-25 mBar differential pressure up to 0-16 Bar
 Rugged and robust construction, completely stainless steel

DESCRIPTION

These are used for the measurement of low differential pressure also with high static pressures, and for the measurement of filter obstructions, losses of loading, differences in flows and levels. The measuring element is a diaphragm on which the pressures of the two sides operate oppositely; the difference between the two pressures produces the consequent shifting, which is transmitted to the movement and to the pointer

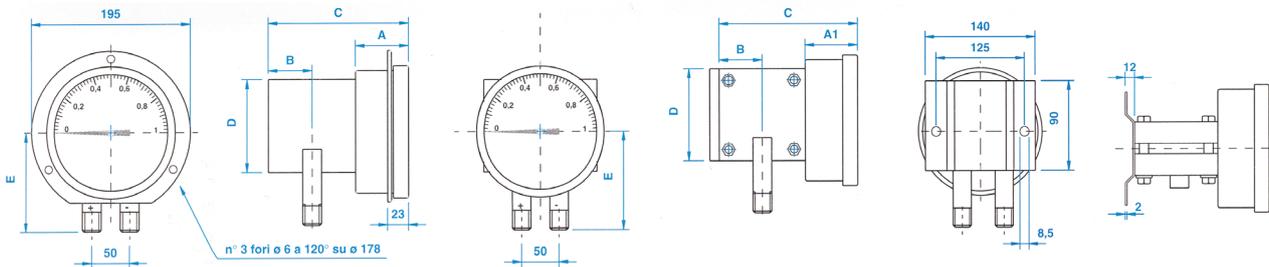
DESIGN FEATURE

Dial size (DS):	mm 150
Accuracy:	class 1 according EN837-1 (class 1,6 up to 0/100 mbar)
Case and ring:	304; stainless steel with bayonet clutch
Pressure connection:	316 stainless steel, thread G 1/2" A UNI ISO 228/1
Elastic element:	316 L diaphragm
Movement:	304 stainless steel
Pointer:	black anodized aluminium; zero adjustment
Window:	glass 3 mm thick
Window gasket:	nitrile rubber NBR
Dial:	white aluminium black scale and graduation on 180° arc.

RANGES

DIFFERENTIAL PRESSURE	ONE SIDE STATIC PRESS	DIFFERENTIAL PRESSURE	ONE SIDE STATIC PRESS	DIFFERENTIAL PRESSURE	ONE SIDE STATIC PRESS
0/25 mbar	6 bar	0/250 mbar	6 bar	0/2,5 bar	10 bar
0/40 mbar	6 bar	0/400 mbar	6 bar	0/4 bar	20 bar
0/60 mbar	6 bar	0/600 mbar	6 bar	0/6 bar	20 bar
0/100 mbar	6 bar	0/1 bar	6 bar	0/10 bar	30 bar
0/160 mbar	6 bar	0/1,6 bar	6 bar	0/16 bar	30 bar

DIMENSIONS (MM) AND WEIGHTS (KG)

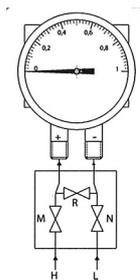


RANGE	A	A1	B	C	D	E	WITH ELECTRIC CONTACT Amax	Weight
0/25 mbar ÷ 0/40 mbar	-	52	63	182	130	128	81	6,8
0/60 mbar ÷ 0/100 mbar	-	52	55	162	110	115	81	4,7
0/160 mbar ÷ 0/16 bar	52	52	57	142	90	125	81	3,9

TECHNICAL CHARACTERISTIC

Operating pressure:	costant: 75% V.F.S., changeable: 60% V.F.S.
Both side static pressure:	64 bar
Operating temperature:	ambient -30 ÷ 400°C process fluid -20 ÷ 100°C
Termal 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.

For a proper mounting of differential pressure gauges it is better to use three valves manifold (interception and bypass). The manifold is formed by central valves M and N to exclude or include the gauge in the circuit under pressure. It is necessary to mount and to remove the gauges with the bypass valve opened, in order to avoid high differential pressures.



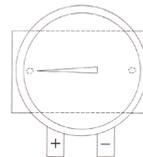
Operate as follows:
1. valves M and N closed - R opened;
2. open slowly the valve N;
3. closed the valve R;
4. open slowly the valve M.

OPTIONS AND ACCESSORIES

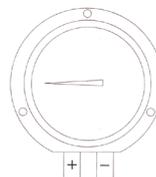
Special scale:	Single - Double Special connections
Mounting:	on 2" pipe
Dragging pointer:	max / min / min & max.
Accessories:	safety glass.
Liquid filling:	Glycerol 90% (Tamb. 5 ÷ 65°C) or silicone oil (Tamb. -20 ÷ 80°C). Oxygen degreasing. Direct or remote diaphragm seals. Electric or inductive contact. Angular transducers output 0/4 - 20 mA. Dampeners. Siphons. Three valves manifold.

Per gli accessori consultare i prospetti corrispondenti

MOUNTING STYLE



MDC1 Parete con staffa posteriore;
attacchi radiali.
Wall with back bracket;
bottom connections.



MDC2 Incasso con flangia 3 fori;
attacchi radiali
Panel with 3 holes flange;
bottom connections.