

DIFFERENTIAL PRESSURE GAUGES WITH DOUBLE BOURDON TUBE DN 3.9"

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These instruments are used to check filter obstructions, pressure drops, flow rate differences, level, measurements and generally a difference between two pressures of one or different circuits. The measurement element is formed by two bourdon tubes, acting on the same movement. In this way the pointer shows the difference between the two pressures corresponding respectively to upstream and downstream pressure of the circuit.



Constructive and functional characteristics:

Accuracy: 1,6 as per EN 837 (2,5 for scales 0...0,4 bar).

Ambient temperature: Max. +65° C, depending of the filling fluid.

Process fluid temperature: Max. +100° C (max. +65° C with filling fluid).

Protection degree: IP 55 as per IEC 529 (IP 65 when filled).

Thermal drift: ±0,8% every ±10° C of ambient temperature.

Process connection: AISI 316 st.st.

Elastic element: AISI 316L st.st Bourdon tube, seamless.

Case: AISI 304.

Ring: St.st. polished, bayonet lock.

Window: Plexiglas.

Movement: Stainless steel.

Dial: aluminium, white with black markings.

Special dial: ranges different from standard, custom artworks available on request.

Pointer: Adjustable, aluminium, black.

Gasket, blow out vent and filling plug: EPDM.

SCALES.

Differential pressure (bar)	Static pressure, both sides of side "+" (bar)	Static pressure side "-" (bar)
0..0,4	0,72	0,6
0..0,6	1,6	1
0..1	4	1,6
0..1,6	8	2
0..2,5	12,5	3
0..4	16	5
0..6	24	10
0..10	40	16

DUMPING LIQUIDS.

Liquid	Ambient temperature
Glycerine 98%	+15 ..+65°C
Silicone	-45 ..+65°C

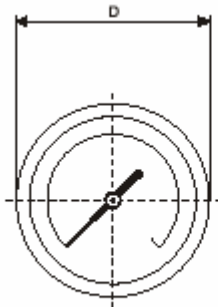
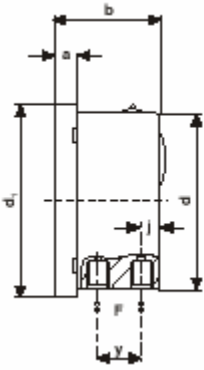
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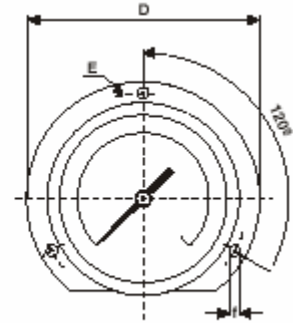
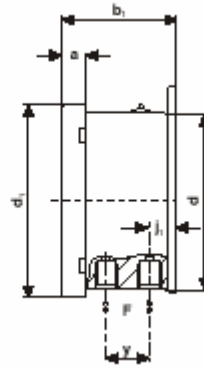
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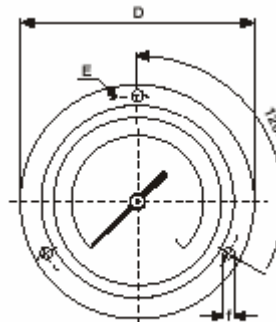
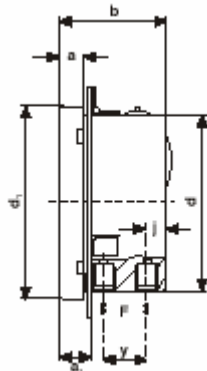
TYPES, DIMENSIONS AND WEIGHTS



TYPE 1
Local direct assembly
Lower pressure entry



TYPE 3
Panel assembly
Lower pressure entry and clamp



TYPE 4
Panel assembly
With frontal flange and lower pressure entry.

Dimensions in mm

DN	F	a	a ₁	b	b ₁	d	d ₁	D	E	f	j	j ₁	y	Weight
3.9" (100)	¼" NPT-H	0.51" (13)	0.67" (17)	2.48" (63)	2.64" (67)	4.35" (110,6)	3.98" (101)	5.28" (134)	4.65" (118)	0.24" (6)	0.54" (13,8)	0.70" (17,8)	0.91" (23)	1 Kg

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