

differential pressure gauges PN 100 with single diaphragm DS 6" (150mm)



PED 2014/68/UE ATEX 2014/34/UE TP TC 012/2011

These instruments are designed for measuring differential pressure of low-viscous gases and liquids which do not crystallize.

2.13 - Standard Model

Accuracy class: 2,5 as per EN 837.

Scale amplitude: 180°.

Static Pressure: max 1500 psi (100 bar).

Ambient temperature:

-4...+149 °F (-20...+65 °C), IP55 housing (IEC 529);

-63...+149 °F (-53...+65 °C), vented IP65/67 housing (IEC 529);

-76...+149 °F (-60...+65 °C), silicon oil filled.

Process fluid temperature: +302°F (-40...+150 °C).

Thermal drift: ±0,8% applied to variations of ±10 °C

Protection degree: IP 55 as per EN 60529/IEC 529.

Socket material: AISI 316L st.st.

Elastic element: Duratherm diaphragm.

Gasket: VITON and PTFE.

Case: stainless steel

Ring: stainless steel, bayonet lock

Window: tempered glass.

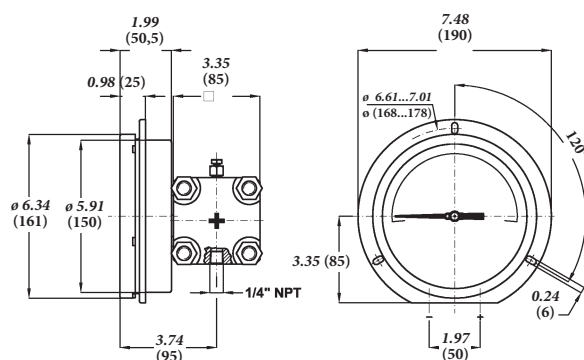
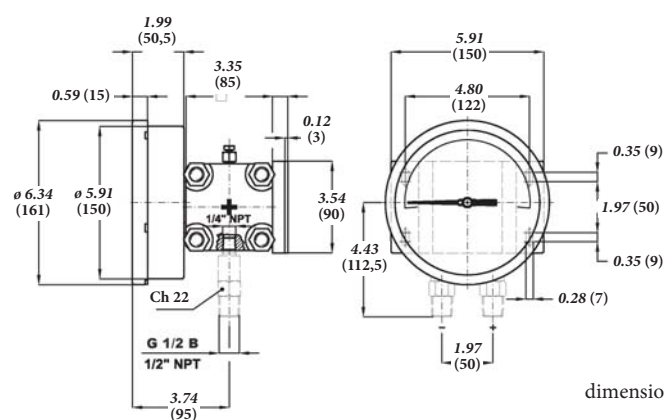
Movement: stainless steel.

Dial: aluminium, white with black markings

Pointer: adjustable, aluminium, black.

Weight: 12.12 lbs (4,8 kg).

RANGE	mbar	mmH ₂ O	bar	kPa
0...0,4			◆	
0...0,6			◆	
0... 1			◆	
0...1,6			◆	
0...2,5			◆	
0...4			◆	
0...6			◆	
0...10			◆	
0...16			◆	
0...25			◆	
0...40				◆
0...60				◆
0...100				◆
0...160				◆
0...250				◆
0...400	◆			◆
0...600	◆			◆
0...1000	◆			◆
0...1600	◆			
0...2500	◆			
0...4000		◆		
0...6000		◆		
0...10000		◆		



dimensions : inches (mm)

Lower (Mounting code A) , with back flange (Option code C)

Lower (Mounting code A) , with front flange (Option code E)

OPTIONS

C - Back flange	R10 - Case glycerine filling - IP 65/67 - T.a. 0...+65 °C
E - Front flange	R11 - Case filling with silicon oil - IP 65/67 - T.a. -20...+65 °C
C40 - Case and ring AISI 316L st.st.	S31 - 2" pipe mounting bracket
E67 - Protection degree IP65/67	T01 - Tropicalization
L22 - Maximum pointer IP65 on Plexiglas window	T32 - Safety glass window
2G2 - ATEX II 2G Ex h - T.a. -20...+60 °C (1)	ECV - Vented housing version - T.a. -53...+65 °C (6) (7)
2D2 - ATEX II 2G Ex h - T.a. -20...+60 °C (1, 2)	S60 - Silicone oil filling - IP 65/67 - T.a. -60...+65 °C
2D0 - ATEX II 2G Ex h - T.a. 0...+60 °C (1, 3)	
2D5 - ATEX II 2G Ex h - T.a. -53...+60 °C (1, 4)	
2D6 - ATEX II 2G Ex h - T.a. -60...+60 °C (1, 5)	

(1) For constructive details see Atex execution catalogue sheet

(2) to be ordered with R11 option

(3) to be ordered with R10 option

(4) to be ordered with ECV + E67 option

(5) to be ordered with S60 option

(6) to be ordered with E67 option

(7) choose model with filled case if corrosive atmospheres are involved

“HOW TO ORDER” SEQUENCE

Section / Model / Case / Mounting / Diameter / Special version /Range / Process connection / Options

2 13 1 A G ---

41M - G 1/2 A M C, E

43M - 1/2" NPT M C40...S60

23F - 1/4" NPT F