

Absolute Pressure Gauges

MODEL : APG

Why Absolute Pressure Gauge?

The atmospheric pressure varies from place to place depending up on the altitude of the location and prevailing weather conditions. In such variable conditions, precise pressure measurement can be arrived only if a fixed (un-changing) reference point is established.

For this purpose we have developed element of Twin Bellows, one of the same is totally evacuated and sealed, which shall be the reference point for calibration i.e. Absolute Zero. These twin bellows are connected through a special type of movement, by which any change in the atmospheric pressure is compensated, and thereby the gauge gives the absolute pressure irrespective of the location.



Features

- Compliance to latest EN-837 standard
- Range : 0-1kg/cm²(a) / 0-1Bar(a) / 0-760 mmHg(a)
- Bellow in SS316 as standard providing better mechanical properties guaranteeing repeatability and accuracy
- Accuracy $\pm 1\%$ FSD

Specifications

Ref. Standard	EN-837
Dial	150 mm in Aluminium, white background, black markings
Case	SS304 / SS316 with bayonet bezel
Protection	IP-68 (IS:13947 part I / IEC:60529)
Window	Safety glass (Shatter proof / Toughened glass)
Sensor	Bellow in SS316 / SS316L
Socket	22mm Square in SS316 / SS316L
Movement	SS304, SS316
Connection	1/2" NPT (M) as standard (other optional)
Accuracy	$\pm 1\%$ FSD
Over range	As per EN 837
Suitability	(-) 20°C to 80°C (service temperature)
Zero adjustment	Micrometer Pointer
Optional	NACE compliance

Ordering Information

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CONNECTION			
SIZE	TYPE	MALE / FEMALE	METRIC THREADS
6 1/4"	NT NPT	M Male	18 M - M 18 x 1.5
10 3/8"	BP BSP	F Female	20 M - M 20 x 1.5
15 1/2"	BT BSPT		24 M - M 24 x 1.5
20 3/4"	PF PF		27 M - M 27 x 2
25 1"	GS Gas		33 M - M 33 x 2
32 1.1/4"	NS NPS		XX - Any other
40 1.1/2"			

MOUNTING	
V	Bottom Entry, Local Mounting
C	Back Entry, Local Mounting
S	Bottom Entry, Surface Mounting
P	Back Entry, Flush Panel Mounting
Y	Bottom Entry, 2" Pipe Mounting

DIAL	
15 - 150 mm	

CASE	
S4	SS304
S6	SS316

BELLOW	
S	SS316
L	SS316L

SOCKET	
S	SS316
L	SS316L

MOVEMENT	
4	SS304
6	SS316

OPTION	
D	Dual Scale
N	NACE
X	Accessory - Refer Catalogue ACC

RANGE / UNIT	
1	0 to 1 kg/cm ² (g)
2	0 to 1 Bar(g)
3	0 to 760 mmHg(g)
4	Please Specify

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