Absolute Pressure Gauges

PRISMA
In struments
& Gauge Bourdon France

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: 760-0 mmHg
- Capsule/Bellow in SS316 as standard providing better mechanical properties guaranteeing repeatability and accuracy
- Accuracy ± 1% FSD
- Unit of measurement mmHg, mmWC

Specifications

Ref. Standard EN-837

Dial 150 mm in Aluminium, white background,

black markings

Case Diecast aluminium / Ss304 / SS316 with screwed

bezel

Protection IP-67 (IS :13947 Part I)
Sensor Capsule / Bellow in SS316
Socket 22mm Square in SS316
Movement Brass. SS304. SS316

Connection 1/2" NPT (M) as standard (other optional)

Accuracy ± 1% FSD

Overrange 130% FSD (other on request)
Suitability (-) 20°C to 80°C (service temperature)

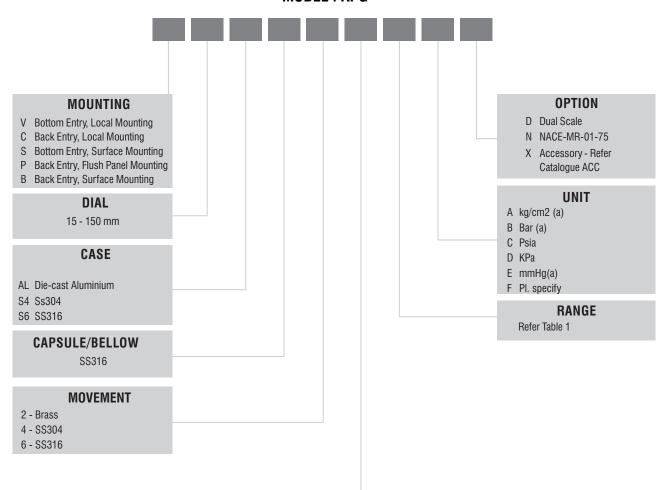
Zero adjustment External

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 NPSM		X X - Any other				
40 1.1/2"							

^{**} For Flanged Process Connection refer the table (mentioned separately)

F - FLANGED PROCESS CONNECTION **								
Size	Code	Rating	Code	Facing	Code			
1/2"	15	150#	Α	RF	RF			
3/4"	20	300#	В	FF	FF			
1"	25	600#	С	RTJ	RTJ			
11/2"	40	900#	D	LT	LT			
2"	50	1500#	Е	LG	LG			
3"	80	2500#	F					