

Liquid Filled Standard Series Pressure Gauges

Applications

- For pressure measuring with vibration
- Hydraulic systems
- Ship building industry
- The gaseous and liquid will not attack copper alloy
- Compressor systems
- Process industry
- Machine building industry

General Features

- Vibration resistant
- Stainless steel case
- Heavy working resistance
- Cl. 1.6 accuracy class

Sample Picture



Standard Technical Features

Nominal size

63 mm, 100 mm

Design

EN 837 - 1

Ingress Protection

IP 65

Accuracy class

Cl. 1.6

Scale ranges

0 ... 1 bar to 0 ... 600 bar (positive pressure)
 -1 ... 0 bar to -1 ... +9 bar (vacuum - positive pressure)

Pressure limitation

Steady : 3/4 of full scale
 Short time : Full scale

Ambient temperature

-20 °C ... +60 °C

Media temperature

+60 °C maksimum

Case

304 stainless steel

Bezel ring

304 stainless steel (pressed)

Pointer

Black painted Aluminium DIN pointer

Dial

Aluminium with white background

Window

Polycarbonate

Temperature effect

$\pm 0,04 \times (t_2 - t_1) \% \text{full scale}$ (must be added error limit)
 t2 : media temperature t1 : +20 °C reference temperature

Standard Technical Features

Movement

Copper alloy

Bourdon tube

Material : Copper alloy

< 100 bar : C type

≥ 100 bar : Helical type

Process connection

Material : brass

63 mm : G 1/4 B (14 mm square)

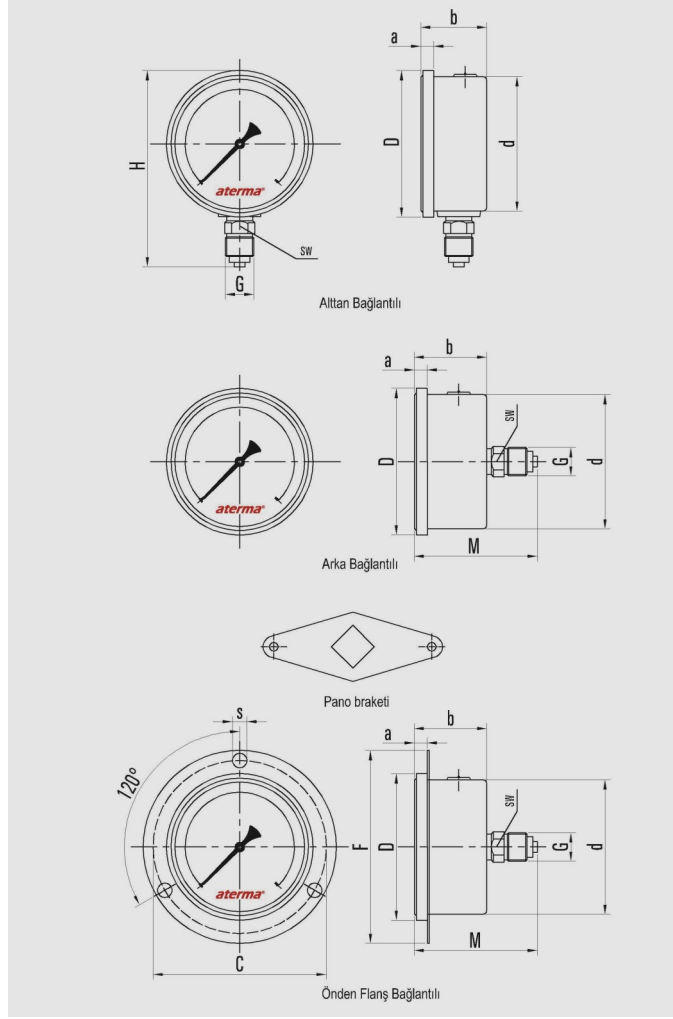
100 mm : G 1/2 B (22 mm hexagonal)

Filling

Glycerin

Options

- Other process connections and scale ranges
- Calibration certificate
- Special customer dial design



Dimensions (mm)										Weights (kg)		
Connection position	a	b	s	D	d	H	M	C	F	G	SW	F400
63 mm Lower Mount	6,50	32,90	-	67,50	62,35	91,50	-	-	-	G 1/4 B	14	0,22
100 mm Lower Mount	6,50	33,90	-	104,70	98,35	137,75	-	-	-	G 1/2 B	22	0,55
63 mm Center Back Mount	6,50	33,90	-	67,50	62,35	-	60,00	-	-	G 1/4 B	14	0,24
100 mm Center Back Mount	6,50	35,00	-	104,70	98,35	-	78,50	-	-	G 1/2 B	22	0,55
63 mm Panel Mount	6,50	33,90	-	67,50	62,35	-	60,00	-	-	G 1/4 B	14	0,26
63 mm Front Flange	6,50	33,90	3,20	67,50	62,35	-	60,00	75,00	84,80	G 1/4 B	14	0,26
100 mm Front Flange	6,50	35,00	6,00	104,70	98,35	-	78,50	118,00	132,00	G 1/2 B	22	0,60