

100mm Diameter DIN Style Stainless Steel Case Brass Wetted Parts C1.0 Pressure Gauge

Application

For the measurement of fluid liquids that are not:- highly viscous, high temperature (over 60°C), likely to solidify/crystallize or corrosive to copper or tin alloys.

Also suitable for gases (excluding oxygen or acetylene) up to 25 bar maximum.



Description

Nominal Size
100mm

Accuracy
+/-1.0% FSD

Scales
BAR Outer (Black) & PSI Inner (Red) - Pressure
BAR Outer (Black) & "HG Inner (Red) - Vacuum
BAR Outer (Black) & "HG + PSI Inner (Red) - Compound

Ranges
-1/0 BAR Vacuum to 0/1000 BAR Pressure
-1/+1 BAR to -1/+11 BAR Compound

Mounting Options
Bottom - Direct Mounting (standard)
Bottom - Surface Mounting Rear 3 Hole Flange
Bottom - Panel Mounting Front 3 Hole Flange

Lower Back - Direct Mounting (standard)
Lower Back - Panel Mounting Rear Bracket
Lower Back - Panel Mounting Front 3 Hole Flange
Lower Back - Surface Mounting 3 Hole Back Flange

Operating Temperature
Ambient: -20/+60°C
Medium: +60°C maximum

Temperature Effect
Variation in indication caused by temperature
 $\pm 0.04 \times (t_2 - t_1)\%$ of the span
 t_1 is the reference ambient temperature in °C
 t_2 is the ambient temperature in °C

Ingress Protection
IP 65 as per EN 60529

Case & Bayonet Bezel
304 Stainless Steel - DIN design

Window
Laminated Safety Glass

Pressure Element
CU Alloy - Sealed Bourdon tube
C-Type <100 BAR
Coiled Type >100 BAR

Joints
Soldered with tin alloy/silver

Movement
High Precision Brass

Process Connection & Block
Brass - 3/8" BSP (parallel) male (standard)
Brass - 1/2" BSP (parallel) male (standard)
Brass - 22mm Hexagon block

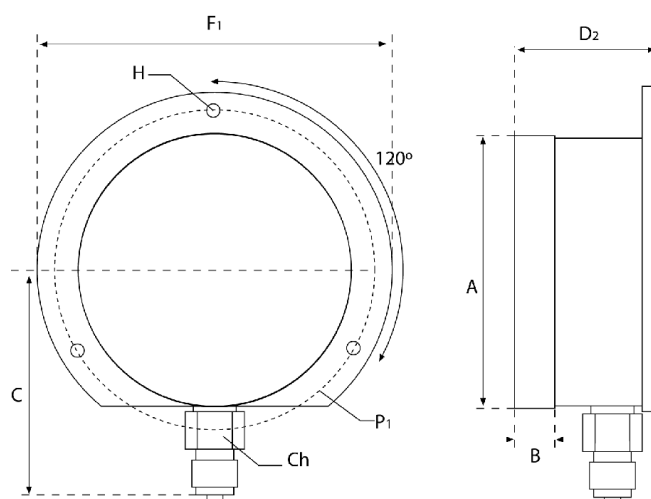
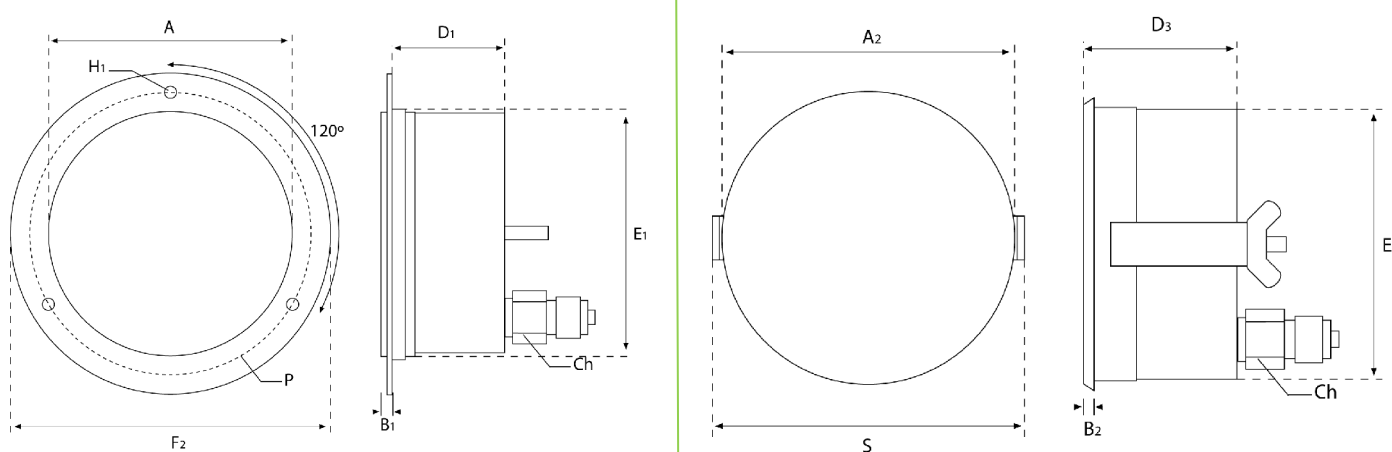
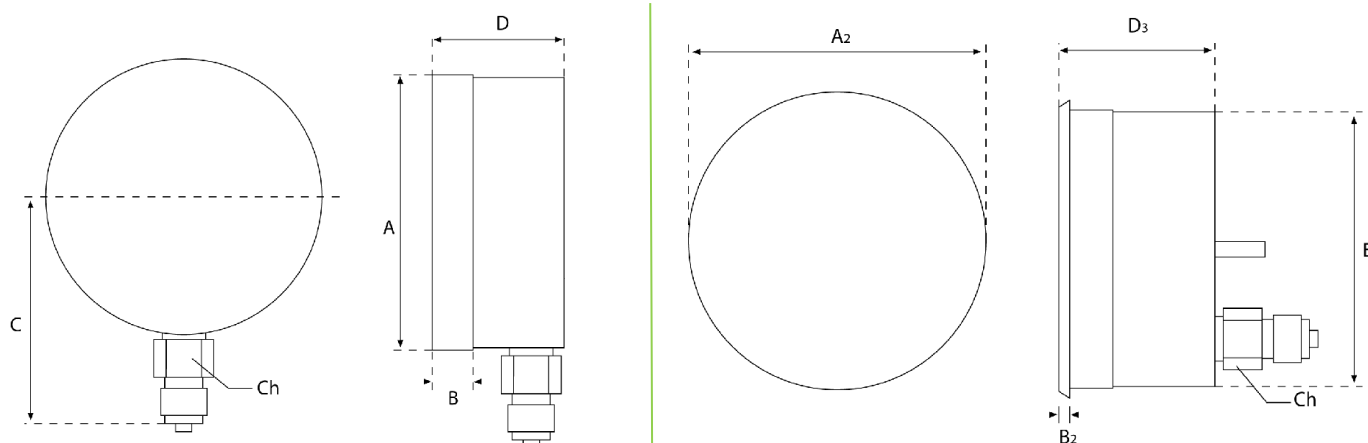
Rear Blow-Out
30mm Black rubber

Pointer
Micro Adjustable - Aluminium - Black

Dial
Aluminium - White

Filling
Optional - High Purity grade glycerine 99.5%

Special Options
Other scales/ranges
Other process connections
Electrical contacts
Maximum pressure indicator
Rubber gauge cover
Plastic Window



A	A ₂	B	B ₁	B ₂	C	Ch	D	D ₁	D ₂	D ₃	E	E ₁	F ₁	F ₂	P	P ₁	H	H ₁	S
101.5	107	15	6	8	83.5	22	48.5	42.5	51.5	50.5	98.5	104	132.5	132	116	116	5	5	114

(Dimensions in mm)