

PGPP PHENOLIC PRESSURE GAUGES SOLID FRONT TYPE



MAIN FEATURES

Turret design
Accuracy as per Grade 2A / $\pm 0.5\%$
Dry / liquid filled

SUGGESTED APPLICATIONS

Liquid & gaseous mediums
Corrosive environments
Oil & Gas applications
Chemical & Petrochemical
Food & Beverages
Nuclear power plants



SOLID FRONT PHENOLIC PRESSURE GAUGES

BASIC DESCRIPTION

Standard followed: ASME-B40.100
Design : ASME B40: 100
Sensing element : Bourdon Tube
(< 100 bar : C - type , > 100 bar : Helical)
Accuracy: Grade 2A ($\pm 0.5\%$ F.S.D.)
Ambient temperature: $-40 \dots +65^\circ\text{C}$
Service temperature: 300°C max.
Steady pressure: Up to FS value
Fluctuating pressure: Up to 90% of FS value
Over-pressure: $1.3 \times \text{FS value} \leq 100$ bar
 $1.15 \times \text{FS value} \geq 100$ bar

PRODUCT SPECIFICATION

STANDARD VERSION [CODE : PGPP]

Dial size : $4\frac{1}{2}$ " (115mm)
Range : $-1 \dots 0 \dots 1,600$ bar
Mounting pattern : Direct, Bottom connection
Process connection : $\frac{1}{2}$ " NPT (M) $\frac{1}{2}$ " BSP (M)
Ingress protection : IP 67
Execution : Dry but fill-able
Case & Ring material : Phenolic
Bourdon tube & Shank : AISI 316L SS
Movement mechanism : AISI 304 SS
Dial : Aluminum, black graduation on white background
Pointer : Micro-zero adjustable, aluminum, black powder coated
Gaskets, Blow off disc & filling plug : Phenolic Resin
Window : Shatterproof safety glass

LIQUID FILLED VERSION (GLYCERIN) [CODE : G]

Ambient temperature: $-20 \dots +65^\circ\text{C}$
Dampening liquid : Glycerin 99.7%

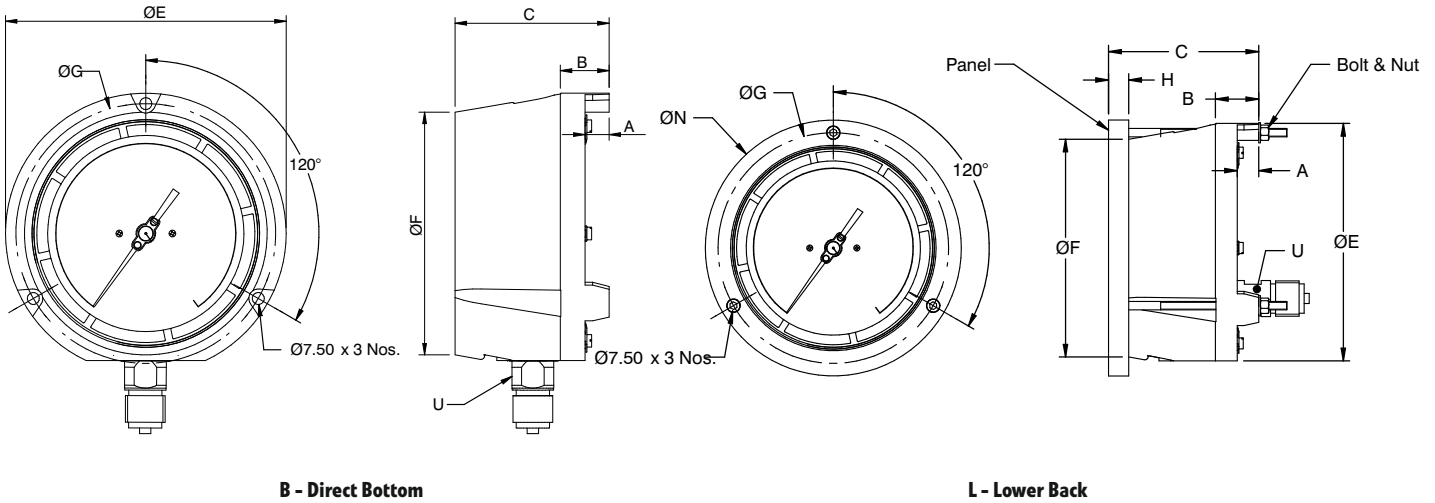
LIQUID FILLED VERSION (SILICON OIL) [CODE : S]

Ambient temperature: $-40 \dots +65^\circ\text{C}$
Dampening liquid : Silicon oil

DIMENSIONAL DRAWINGS

DN 100 / DN 115 / DN 150 / DN 250

MOUNTING ACCESSORIES



NS	A	B	C	ØE	ØF	G	H	ØN	U
115	12.5	26	82	149	130	137	12	151.5	A/F-22

All dimensions are in mm.

MODEL CODING

MODEL	-	DIAL SIZE	MOUNTING	CONNECTION	CASE EXECUTION	/	RANGE	/
PGPP = Solid front, Case Phenolic, Bourdon SS 316 PGPP = Solid front, Case Phenolic, Bourdon SS316L PGPP = Solid front, Case Phenolic, Monel 400 PGPP = Solid front, Case Phenolic, Hastelloy C PGPP = Solid front, Case Phenolic, Inconel		115 = 115 mm	B = Direct Bottom L = Lower Back	M2N = 1/4" NPT (M) M2B = 1/4" BSP (M) M4N = 1/2" NPT (M) MBN = 1/2" BSP (M) M2M = M12 X 1.0P M4M = M20 X 1.5P M3B = 3/4" BSP (M)	D = Dry but fill-able G = Glycerin filled S = Silicon oil filled Y = Dry		0...10 to 0...15000 psi or 0...0.6 to 0...1000 bar or equivalent units	

OTHER OPTIONS		
BF = Back flange for bottom mounting	MTC = Material test certificate, 31	TS4 = Tag plate in SS 304
FF = Front flange for lower back/center back mounting	CCN = Calibration certificate with NABL certificate	TS6 = Tag plates in SS 316
2P = 2" Pipe mounting bracket for bottom mounting		CD = Custom Dial Design / Private labeling
CC = 5 - point factory calibration certificate		

ORDERING EXAMPLE PGPP-115-B-M4N-D-RANGE/A1.CC.CD

QUICK ORDER DETAILS / FEEDBACKS