

Liquid-filled Gauges



MODEL HPG



DESCRIPTION

Our HPG series is a high quality line of glycerin filled 2 ½" and 4" pressure gauges typically used in hydraulic and pneumatic systems where vibration and pulsation are present. The glycerin is used to keep the internal parts lubricated, keeps contamination away from the moving parts and helps reduce vibration and shock. Available in vacuum through 12,000psi.

SPECIFICATIONS

■ All gauges are a one piece design.

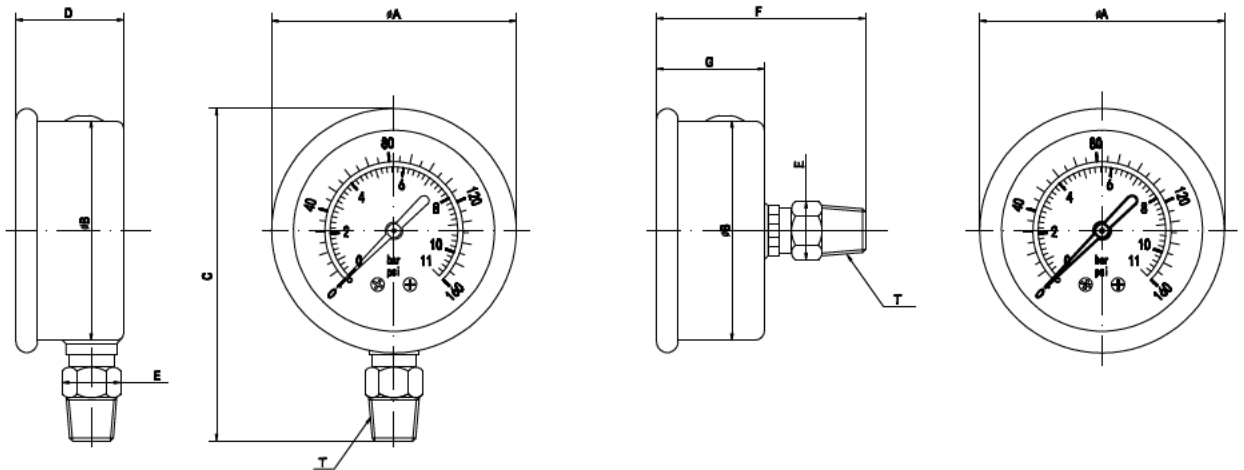
Socket	Copper alloy
Case	Stainless steel
Flange and Ring	Stainless steel
Ring	Stainless steel
Bourdon Tube	Circular in copper alloy up to 850 PSI, Helical in copper alloy above 900 PSI
Movement	Stainless steel
Window	PC (polycarbonate, acrylic)/safety glass 2.5"/4"
Dial	Aluminum plate printing with black markings

Working Range	Steady: 75% scale valve, Fluctuating: 2/3 scale valve Short time: full scale
Standard Threads	1/4NPT 1/4G 1/4R M14X1.5 M20X1.5
Filling Liquid	Glycerine fluid
Accuracy	1.6% of span
Temperature Range	Between -20°C to + 80°C
Protection Degree	IP 65
Optimal Scale	70% of full scale
Pointer	Black aluminum

ORDERING INFORMATION

HPG	1	V	30	B	N2
Liquid-filled gauge model	Diameter	Type	Pressure range	Style	Thread
	1 – 2.5"	V - Vacuum	30/0 - 30 in.Hg/0 psi	B - Bottom stem	N1 - 1/8" NPT
	2 - 4"	C - Compound	30/30 - 30 in.Hg/30 psi	U - U clamp	N2 - 1/4" NPT
		P - Pressure	30 - 30 psi	C - C clamp	N3 - 3/8" NPT
			60 - 60 psi	D - Center back	N4 - 1/2" NPT
			100 - 100 psi	E - Flange	G1 - 1/8" BSP
			160 - 160 psi		G2 - 1/4" BSP
			200 - 200 psi		G3 - 3/8" BSP
			250 - 250 psi		G4 - 1/2" BSP
			300 - 300 psi		R1 - 1/8" ZG
			350 - 350 ps		R2 - 1/4" ZG
			600 - 600 psi		R3 - 3/8 ZG
			850 - 850 psi		R4 - 1/2"ZG
			1000 - 1000 psi		M1 -14X1.5
			1500 - 1500 psi		M2 - 20X1.5
			2000 - 2000 psi		
			3000 - 3000 psi		
			4000 - 4000 psi		
			5000 - 5000 psi		
			6000 - 6000 psi		
			10000 - 10000 psi		

INSTALLATION



Size	A	B	C	D	E	F	G	T
2.5", 63mm	68.0	61.5	91.5	30.0	Hex14.0	58.5	30.0	1/4"
4", 100mm	108.5	99.0	137.0	36.0	Hex22.0	69.0	36.0	1/2"