



High Purity Gauge Type HPXG

The new Ashcroft® HPXG pressure gauge meets the requirements for a broad range of high purity gas delivery system applications. The HPXG offers exceptional value and performance to meet the demanding needs of the semiconductor industry.

Gauge Features

Less dead volume and wetted surface area than other 2 inch gauges.

Electropolished 316L VAR stainless steel with significantly fewer pits and surface defects.

Proprietary welding processes conducted in an inert and virtually moisture-free environment.

Assembled, nitrogen purged, double bagged and sealed in a Class 100 cleanroom. Exceeds ASME B40.1 Level IV.

Gas System Benefits

Reduced deadleg and 200% reduction in gauge drydown time.

Enhanced corrosion resistance and reduced capacity to trap moisture.

Minimized weld surface area and heat affected zones.

Dry and virtually particle-free when introduced to your cleanroom..



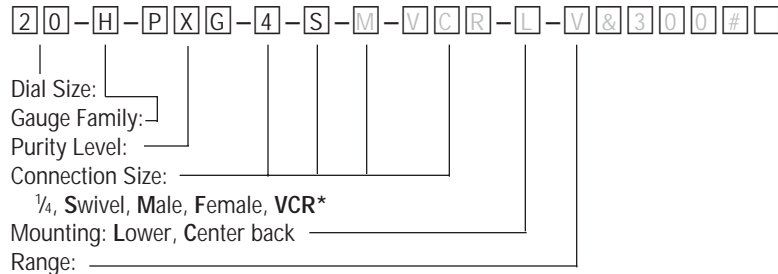
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Product Specifications

Size: 2" (50mm)
Case: 304 SS electropolished. Pressure safety relief in rear
Window: One piece. Snap-on polycarbonate
Pointer: Black aluminum, adjustable
Dial: Aluminum, high resolution white with black graduations
 True Zero™ indication to assure safety and performance
Accuracy: 1% F.S. Ranges 2000 through 4000 psi calibrated
 downscale to minimize gas bottle reading error
Available Scales: Psi, Bar, kPa (single or dual scale)
Movement: 300 Series stainless steel
Gland: <10 Ra 316L VAR SS (electropolished)
Socket: <10 Ra 316L VAR SS (electropolished)
Bourdon Tube: <25 Ra seamless 316L SS (passivated)
Proof Pressure: 15#-1000# 130% F.S.; 1000#-4000# 110% F.S.
Burst Pressure: 15#-600# 10 x F.S.; 1000#-4000# 2 x F.S.
Helium Leak Integrity: Less than 1×10^{-9} scc/sec (inboard)
Mounting: Center back and lower connect. Consult factory for
 other mounting options
Pressure Connections: Male swivel face seal. Female swivel face seal
 Consult factory for other pressure connections
Average Weight: Approximately 5.5 oz

How to Order:

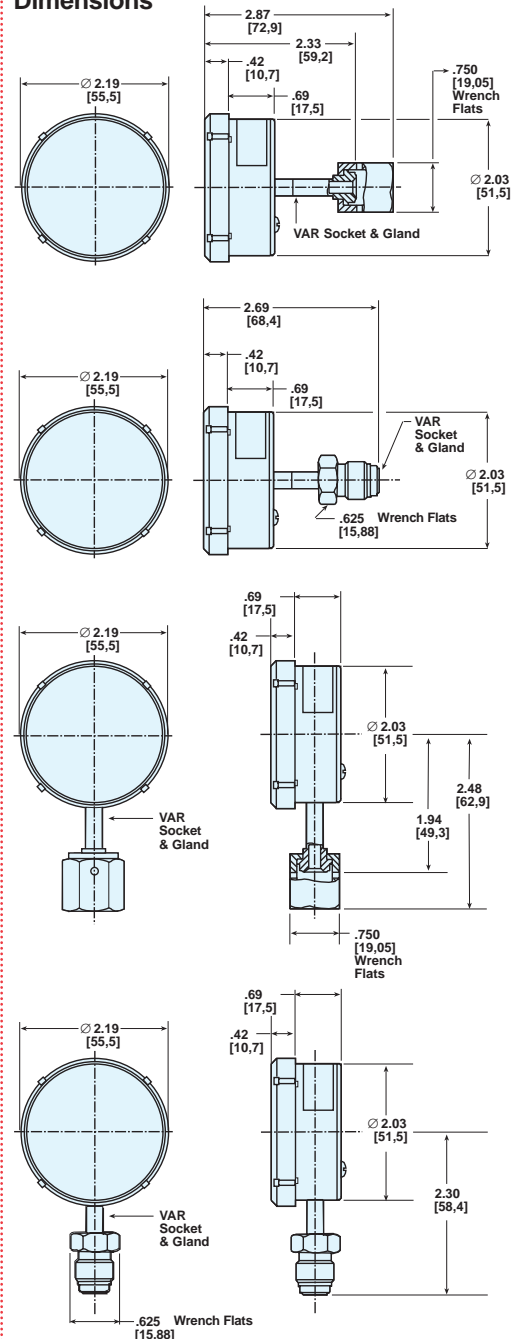


Ranges:

Range (V) InHg	Range (#) Psig	Number Interval		Minor Graduation Subdivision	
		InHg	Psig	InHg	Psig
30" &	0-15	5	3	1	.5
30" &	0-30	10	5	1	.5
30" &	0-60	10	10	2	1
30" &	0-100	10	10	2	1
30" &	0-160	30	20	5	2
30" &	0-200	30	20	5	2
30" &	0-300	30	30	5	5
	0-15		1		.2
	0-30		3		.5
	0-60		5		1
	0-100		10		1
	0-160		20		2
	0-200		20		2
	0-300		30		5
	0-600		100		10
	0-1000		100		10
	0-1500		300		20
	0-2000		200		20
	0-3000		300		50
	0-4000		500		50



Dimensions



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 notice. Subject to standard terms and
 conditions of sale. 5M SP 2P-10/98

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