

Data Sheet

HPX Miniature High Purity Pressure Gauge 28 mm Size

FEATURES

- 304 Stainless steel case
- Electropolished 316L SS wetted parts
- Male/Female swivel process connections (compatible with VCR®)
- Helium leak tested to 1×10^{-8} atm cc/s
- Suitable for class 100/ISO Class 5 environments

TYPICAL USES

- High purity gas delivery systems
- Gas sticks
- Process gas analyzers
- Semiconductor



SPECIFICATIONS

Accuracy:	±3.0% of span
Dial Size:	28 mm
Ranges:	Minimum: Vacuum to 30 psi/2 bar Maximum: Vacuum to 150 psi/10 bar
Surface Finish:	Gland: <0.25 µm Ra Socket: <0.38 µm Ra Diaphragm: <0.5 µm Ra
Process Connection:	3/16-18UNF (compatible with VCR®) swivel male or female Location: Center back
Weight:	Appx. 85g

WETTED COMPONENTS

Diaphragm	Gland Process Connection
316L SS	316L SS

NON-WETTED COMPONENTS

Case	Ring	Window
304 SS	304 SS	Polycarbonate

MIN/MAX TEMPERATURE LIMITS

Ambient	Process	Storage
23 °F to 113 °F (-5 °C to 45 °C)	23 °F to 113 °F (-5 °C to 45 °C)	23 °F to 113 °F (-5 °C to 45 °C)

KEY BENEFITS

- Ultra-compact size
- Ideal for high density mounting
- 316L SS Wetted parts for protection against corrosion
- Double-bagged packaging
- Nitrogen purged

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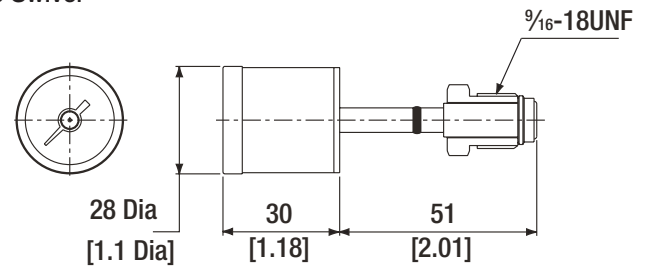
ORDERING CODE	Example:	28	H	PXG	4SM	C	V/60#
Size							
28 - 28 mm (1.125")		28					
Gauge Family							
H - High Purity Gauge			H				
Purity Level							
PXG - Class 100 clean room				PXG			
Connection Size							
4SM - Male Swivel 9/16 - 18 UNF (compatible with 1/4 VCR®)					4SM		
4SU - 1/4 Female swivel UJR type (9/16 - 18 UNF female)							
4SF - Female Swivel 9/16 - 18 UNF (compatible with 1/4 VCR®)							
Process Connection Location							
C - Center back						C	
Range							
V/60#							V/60#

STANDARD RANGES			
psi	bar	kPa	MPa
V/30#	N1/2bar	N100/200KP	NP1/P2MP
V/60#	N1/4bar	N100/400KP	NP1/P4MP
V/100#	N1/7bar	N100/700KP	NP1/P7MP
V/150#	N1/10bar	N100/1000KP	NP1/1MP

DIMENSIONS mm [inches]

For reference only, consult Ashcroft for specific dimensional drawings

Male Swivel



Female Swivel

