

Data Sheet

HPX Miniature High Purity Pressure Gauge 28mm Size

FEATURES

- 304 SS case
- Electropolished 316L AOD/VAR SS wetted parts
- VCR Male/Female fixed and swivel process connections
- 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 Sizes:	28mm
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:	1/16"-18UNF (compatible with VCR) swivel male or female Location: Center back
Weight:	Appx. 85g

WETTED COMPONENTS

Diaphragm	Gland Process Connection
316L SS (AOD/VAR)	316L SS (AOD/VAR)

NON-WETTED COMPONENTS

Case	Ring	Window
304SS	304SS	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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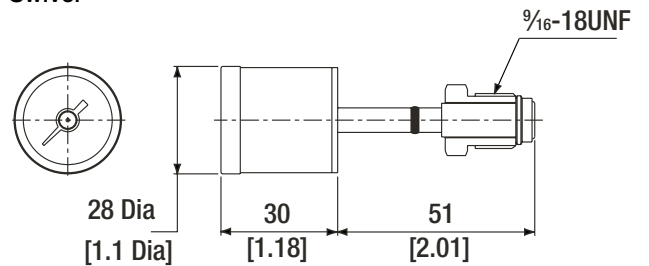
ORDERING CODE	Example:	28	H	PXG	4SM	C	V/60#
Size							
28 -28mm (1.125")		28					
Gauge Family							
H - High Purity Gauge			H				
Purity Level							
PXG - Class 100 clean room				PXG			
Connection Size							
4SM - ¼ Male swivel CVC type (9/16-18 UNF female)					4SM		
4SU - ¼ Female swivel UJR type (9/16-18 UNF female)							
4SF - ¼ Female swivel CVC type (9/16-18 UNF female)							
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

