

Main Specifications	Other Specifications
<p>▼Size</p> <p>1.5" , 2"</p> <p>▼Installation type</p> <p>Bottom mount (A)</p> <p>Back mount (ADC)</p> <p>Back mount with flange (BDC)</p> <p>▼Window</p> <p>PC, O-ring sealed</p> <p>▼Pressure connection</p> <p>Material: SS 316</p> <p>1/4" NPT</p> <p>1/4" BSP (=G)</p> <p>1/4" VCR (M/F)</p> <p>9/16" -18UNF(M)</p> <p>Fixed thread / Swivel thread</p> <p>▼Pressure range</p> <p>Gauge pressure ▼</p> <p>0 to 350 bar</p> <p>Compound pressure ▼</p> <p>-1...0 to 24 bar</p> <p>▼Applicable fluid</p> <p>Liquid and gas that compatible with SS 316</p> <p>▼Ambient temperature</p> <p>-40°C to +60°C</p> <p>▼Fluid temperature</p> <p>+100°C</p> <p>▼Protection level</p> <p>IP54</p>	<p>▼Cleanliness level</p> <p>AP / MP</p> <p>For more information please refer to cleanliness level table</p> <p>▼Ring</p> <p>PC</p> <p>Bayonet</p> <p>▼Case</p> <p>SS304</p> <p>▼Pointer</p> <p>Aluminum with black enamel</p> <p>▼Dial face</p> <p>Blue and black scale</p> <p>▼Measuring elements</p> <p>Bourdon tube</p> <p>Material: SS316 / SS316L / SS316Ti</p> <p>▼Protection design</p> <p>Blow out back</p> <p>▼Movement</p> <p>Stainless steel</p> <p>▼Accuracy</p> <p>±2.5%F.S.</p> <p>±1.5%F.S.</p> <p>▼Operating pressure</p> <p>Stabilization 3/4* full scale</p> <p>Fluctuation 2/3* full scale</p> <p>Impulse 1* full scale</p> <p>▼Other requests (Option)</p> <p>Third party notarized documents</p> <p>Inspection report</p> <p>Customized dial face (scale, color)</p>

High Purity Pressure Gauge

Model: HCPG

Introduction

HCPG High purity pressure gauge has 2 levels of cleanliness to meet various requirements and it is cleaned by ultrasonic pure water. It adopts vacuum welding, the airtightness is up to 1×10^{-9} Pa · m³/s. It is especially suitable for high cleanliness requirement industry: semiconductor, medical technology, and biotechnology engineering industry.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

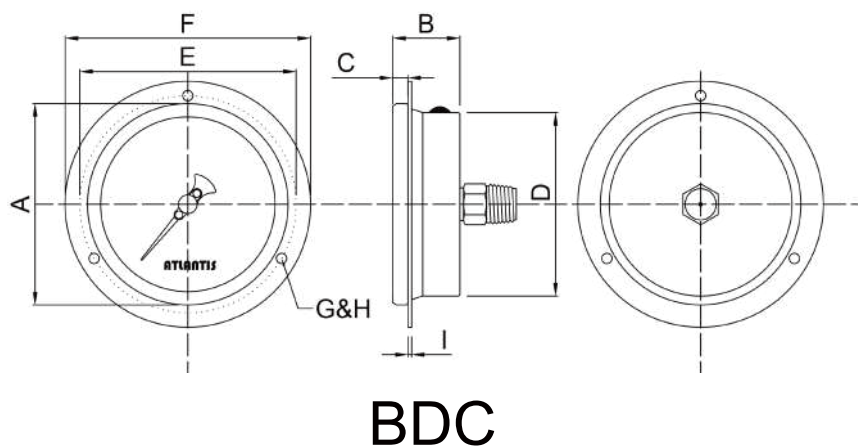
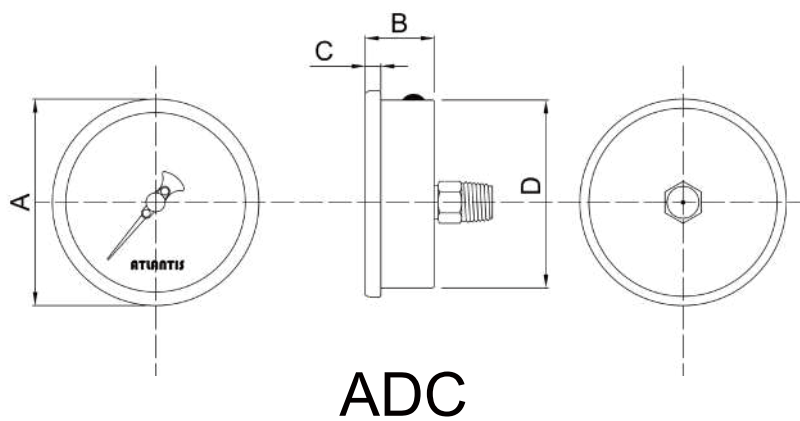
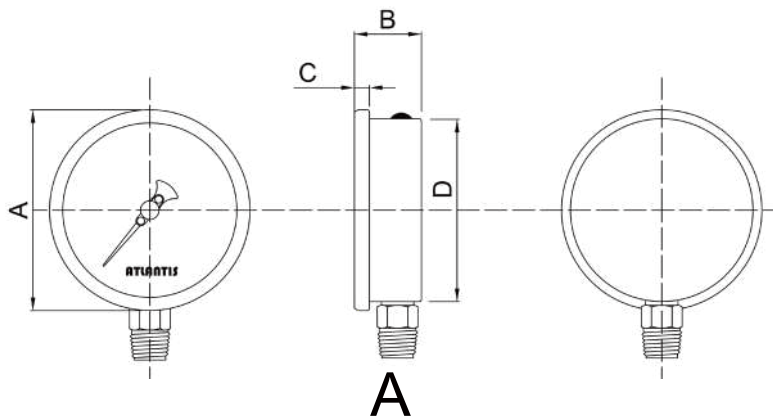
Features

- OEM service
- Cleaned by ultrasonic & pure water
- Vacuum welding adopted
- Specially designed for semiconductor, medical technology and biotechnology engineering
- Two level cleanliness: AP / MP
- Airtightness can up to 1×10^{-9} Pa · m³/s
- N₂ is used to purge the surface of pressure gauge, seal package tightly
- MP level adopts PET vacuum sealed package

Cleanliness level table

Level	Polish treatment	Cleaning method	Cleanliness	Roughness	Assembly testing environment	Package
AP	X	Ultrasonic cleaning in medicine liquid or Ultrasonic cleaning in pure water	X	$Ra \leq 2.5\mu m$	Clean room (Cleanliness 10000 ISO Class4)	N2 is used to purge the surface of pressure gauge, sealed package.
MP	Mechanical polished	Ultrasonic cleaning in pure water	Level VI (ASME B40 1 Level)	$Ra \leq 0.4\mu m$	Clean room (Cleanliness 10000 ISO Class4) Workbench (Cleanliness 100 ISO Class2)	MP level adopts PET vacuum sealed package

Installation type



How to order

HCPG High Purity Pressure Gauge									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
2	Size	1.5	1.5"	2	2"	–	–	–	–
A	Installation type	A	Bottom mount	ADC	Back mount	BDC	Back mount with flange	–	–
2N	Pressure range	2N	1/4" NPT	2G	1/4" BSP (=G)	UNF	9/16" -18UNF (M)	VM	1/4" VCR (M)
		VF	1/4" VCR (F)	–	–	–	–	–	–
T	Thread type	T	Fixed thread	S	Swivel thread	–	–	–	–
316	Bourdon tube Material	316	SS316	316L	SS316L	316Ti	SS316Ti	–	–
Custom	Pressure range	Gauge pressure – (0 to 350 bar) Compound pressure – (-1...0 to 24 bar) Custom pressure unit scale (psi, bar, kPa, kg/cm ² , MPa, inHg, mmHg, cmHg, etc...), single / dual scale							
AP	Cleanliness level	AP	AP	MP	MP	–	–	–	–
A	Accuracy	A	±2.5%F.S.	B	±1.5%F.S.	–	–	–	–
/B	Other requests	/A	Third party notarized document						
		/B	Inspection report (issued by Re-Atlantis)						
		/C	Tag						

Order example: HCPG - 2 - A - 2N - T - 316 - (0 to 150 bar) - AP - A - /B