

Main Specifications

▼Size
1.5" , 2"
▼Installation type
Bottom mount (A)
Back mount (ADC)
Back mount with flange (BDC)
▼Window
PC, O-ring sealed
▼Pressure connection
Material: SS 316
1/4" NPT
1/4" BSP (=G)
1/4" VCR (M/F)
9/16" -18UNF(M)
Fixed thread / Swivel thread
▼Pressure range
Gauge pressure ▼
0 to 350 bar
Compound pressure ▼
-1...0 to 24bar
▼Applicable fluid
Liquid and gas that compatible with SS 316
▼Ambient temperature
-40°C to +60°C
▼Fluid temperature
+100°C
▼Protection level
IP54

Other Specifications

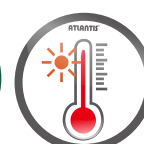
▼Cleanliness level
AP / MP
For more information please refer to cleanliness level table
▼Ring
PC
Bayonet
▼Case
SS304
▼Pointer
Aluminum with black enamel
▼Dial face
Blue and black scale
▼Measuring elements
Bourdon tube
Material: SS316 / SS316L / SS316Ti
▼Protection design
Blow out back
▼Movement
Stainless steel
▼Accuracy
2.5% / 1.5%
▼Operating pressure
Stabilization 3/4* full scale
Fluctuation 2/3* full scale
Impulse 1* full scale
▼Other requests (Option)
Third party notarized documents
Inspection report
Customized dial face (scale, color)

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 $1 \times 10^{-9} \text{ Pa} \cdot \text{m}^3/\text{s}$. 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.)

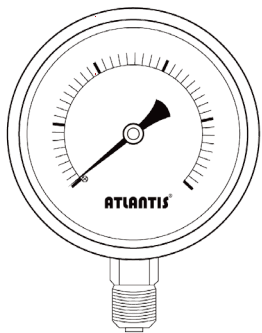
Features

- 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 $1 \times 10^{-9} \text{ Pa} \cdot \text{m}^3/\text{s}$
- N_2 is used to purge the surface of pressure gauge, seal package tightly
- MP level adopts PET vacuum sealed package

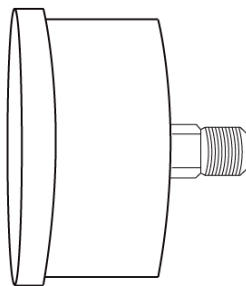
Cleanliness level table

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		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

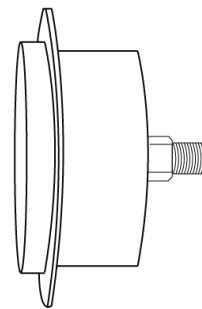
Installation type



Bottom mount (A)



Back mount (ADC)



Back mount with flange (BDC)

How to order

HCPG		High Purity Pressure Gauge					
Code	Size						
1.5	1.5"						
2	2"						
Code	Installation type						
A	Bottom mount						
ADC	Back mount						
BDC	Back mount with flange						
Code	Pressure range						
Custom	0 to 350 bar						
Code	Pressure connection						
2N	1/4" NPT						
2G	1/4" BSP(=G)						
UNF	9/16" -18 UNF (M)						
VM	1/4" VCR (M)						
VF	1/4" VCR (F)						
Code	Thread type						
T	Fixed thread						
S	Swivel thread						
Code	Cleanliness level						
AP	AP						
MP	MP						
HCPG	2	A	0...10bar	UNF	T	AP	Example: HCPG-2-A-0...10bar-UNF-T-AP