



GW35 - 45

Pressur Gauge for Semiconductor Industry

OUTLINE

These models display superior performance in semiconductor high purity gas and corrosive gas atmospheres. Designed to be airtight and clean, these pressure gauges are suitable for semiconductor processes, especially high purity fluids.

FEATURES

- The Bourdon tube, fitting, case, movement, and other main parts are made of stainless steel, and are extremely corrosion resistant to both the measured fluid and atmosphere.
- The pressure element and other wetted parts are welded by argon arc welding and are manufactured under withstand pressure and air tightness test and other severe quality control.


* When selecting, select a pressure gauge that will amply display its performance and whose working pressure is with 30~65% of the specified pressure range.
Confirm that the wetted parts material is suitable for the gas or liquid to be measured.

SPECIFICATIONS

Fluid:

Gas or liquid:

Mounting:

Panel mounted type...  Type D
(Center back, screw, stem)

Size:

35DIA. (Model: GW35)
40DIA. (Model: GW45)

Connection fitting:

9/16-18 UNF (M) , 9/16-18 UNF (F)

Wetted parts material:

Bourdon tube·Fitting EP grade: SUS316L
BA grade: SUS316L
Case SUS304 (Plain)
Movement SUS

Welding method:

Argon arc welding

Pressure range:

0~0.4→0~3.5MPa
-0.1~0.3→0.1~2MPa

Accuracy:

±3%F.S.

Air tightness (He vacuum method):

EP grade: 1.01×10^{-9} Pa·m³/s or less
BA grade: 1.01×10^{-9} Pa·m³/s or less

Cleanliness:

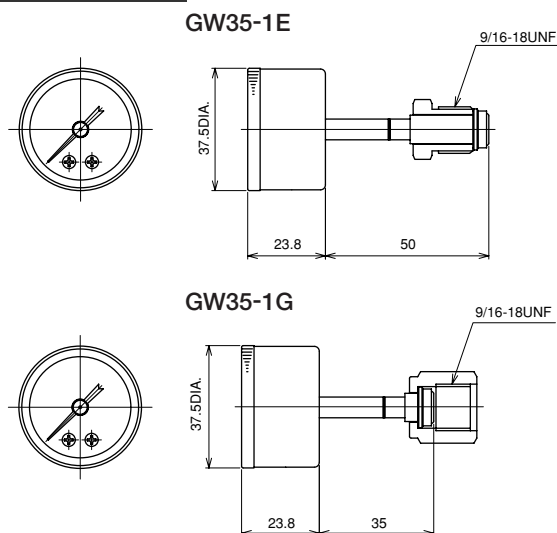
EP grade: 10 or fewer 0.2 μm or larger particles
BA grade: Class IV (ANSI B40, 1M-1979)

GRADE CONFIGURATION

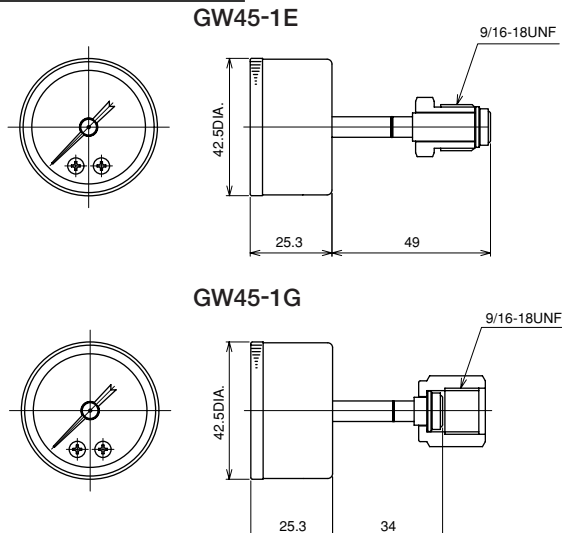
Grade	EP grade	BA grade
Wetted parts material	S U S 316 L (Gas contact surface polished)	S U S 316 L
Cleanliness	10 or fewer 0.2 μm or larger particles	Class IV (ASME B40,7-1998)
Leak test	1.01xm10 ⁻⁹ Pa · m ³ /s or less	
Cleaning	① Rough cleaning ② Ultrasonic cleaning ③ Finish cleaning ④ N ₂ gas flashing	
Workplace	① General workplace ② Clean room (Class 10,000) ③ Clean bench (Class 100)	
Adjustment & inspection media	N ₂ gas	
Packing	Polyethylene sealed bag	

GW35 & 45 Pressure gauge for semiconductor industry

DIMENSIONS



CONSTRUCTION

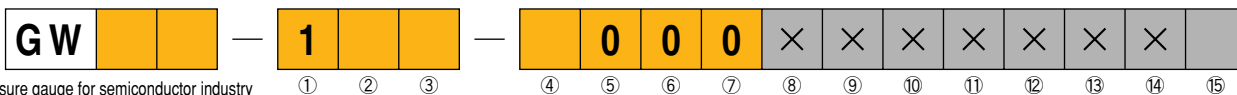


Connection: 9/16-18UNF
Compatible with "Cajon VCR®"

Model number configuration

For ordering, please specify the model number, each specs and the pressure range.

(Note: "X" for each type is not specified. When ordering, please specify "X".)



Pressure gauge for semiconductor industry
BA, EP grade

Model		Selective spec.		Additional spec.		
Model		Type				
3	5	35DIA. Panel mounted type				
4	5	40DIA. Panel mounted type				
① Shape	1	Type D (Center back, screw, stem)				
② Connection	E	1/4 VCR compatible male nut				
	G	1/4 VCR compatible female nut				
	Q	1/4 UJR compatible female nut w/pure ring				
③ Wetted part	3	SUS316L: BA grade				
	4	SUS316L: EP grade				
④ Pressure range (MPa)	1	- 0.1 ~ 0.3, 0.4, 0.6, 1, 1.5, 2				
	2	0 ~ 0.4, 0.6, 1, 1.5, 2, 2.5, 3.5				
⑤ Performance	0	Standard (±3.0%F.S.)				
	⑥ Pointer	0	Standard type			
	⑦ Window	0	Standard			
⑮ Documents						
0	Nil					
1	Required (Please specify the desired documents separately.) Submission drawings, instruction manual, inspection procedure, test report (1 pc 1 copy), traceability certificate, calibration certificate, strength calculation, attended inspection					

(When ordering, please specify the range and units separately.)

The contents in the catalogue are subject to change without notice.

NAGANO KEIKI CO., LTD.

Gets ISO 9001, ISO 14001, ISO/TS 16949 Certification

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