



GW35 • 45 SEMICONDUCTOR APPLICATION PRESSURE GAUGE

DESCRIPTION

These models have an excellent performance in measuring the corrosive liquids and for the application with the corrosive atmosphere. Being well designed in leakage and cleanliness, these are adequate for the applications, such as Semiconductor Process, High Purified Fluids.


FEATURES

- Main parts, such as bourdon tube, socket, case, movement are of stainless steel. It is excellent in the corrosion resistance against the measuring liquids and atmosphere.
- The wetted part (pressure element) is argon-arc welded.
- In addition, withstanding pressure and leaking tests are conducted. The gauges are manufactured under severe control.

* When you select a gauge, specify or choose the pressure range of which the normal operation pressure would be within 30 ~ 50%. Before selection, check the compatibility with the wetted part and the air or liquid.

MANUFACTURING RANGE

Measuring fluids:
Air or Liquid

Mounting:
Panel ...  center back

Dial size:
35mm (model GW35)
40mm (model GW45)

Connections:
1/4VCR (M), 1/4VCR (F)

Wetted parts material:
Bourdon tube, Socket BA Grade: SUS316
EP Grade: SUS316L

Case SUS304 (Plain)
Movement Stainless steel

Welding:
Argon arc welded

Pressure range:
0 ~ 0.4 → 0 ~ 3.5MPa
-0.1 ~ 0.3 → 0.1 ~ 2MPa

Accuracy:
±3%F.S.

Leakage (Helium Leak rate):
BA grade: 1.01×10^{-9} Pa • m³/S or less than it.
EP grade: 1.01×10^{-11} Pa • m³/S or less than it.

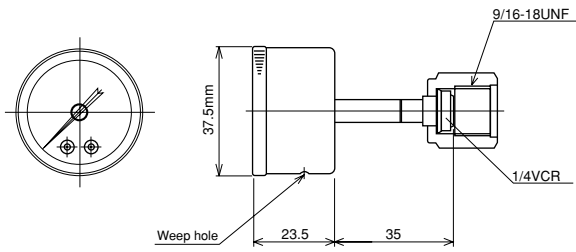
Cleanlines:
BA grade: Class IV (ANSI B40, 1M-1979)
EP grade: Particle Number 10pcs or lower with its size 0.2 μm or larger.

GRADE CONFIGURATION

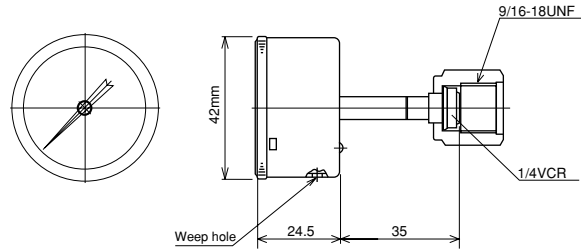
Grade	EPGrade	BAGrade
Wetted Part Material	SUS316L (Gas contact surface polished)	SUS316
Cleanliness	Particle size 0.2 μm or larger and its number 10pcs or fewer	Class IV (ANSI B40, 1M-1979)
Leaking Test	1.01×10^{-11} Pa • m ³ /S or less	1.01×10^{-9} Pa • m ³ /S or less
Washing	Metal parts ① Washing by dichloromethane ② An alternative CFE (HBFC-141b), Ultrasonic washing ③ An alternative CFE (HBFC-141b), Finish washing ④ Nitrogen gas flashing Other parts ① An alternative CFC (HBFC-141b) Washing ② An alternative CFC (HBFC-141b) Ultra sonic wathing ③ An alternative CFC (HBFC-141b) Finish wathing ④ N ₂ Gas flashing	
Working Place	① General working place ② Clean room (class 10,000) ③ Clean bench (class 100)	
For adjustment & inspection fluid	N ₂ gas	
Packing	Polythylene sealed bag	

DIMENSIONS

GW35



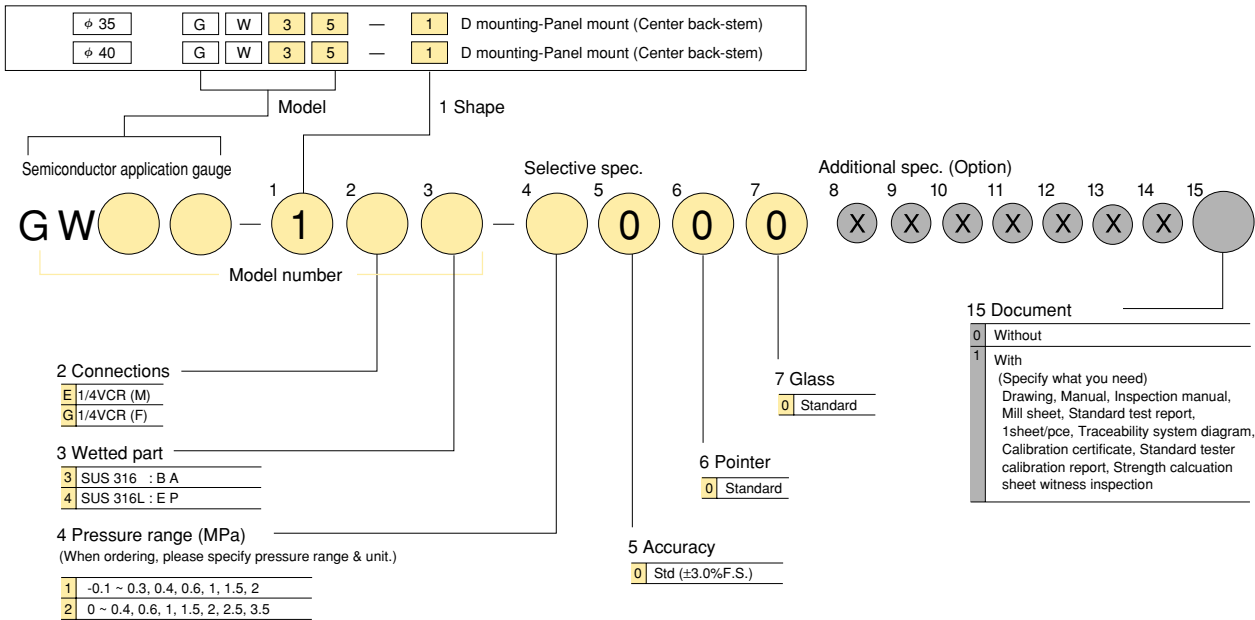
GW45



Model number configuration

For ordering, specify model number, each spec and range.

"X" marked parts dose not have the applied specifications, so just fill "X" out when you order.



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

NAGANO KEIKI CO., LTD.



UEDA FACTORY (JQA-0794)
MARUKO FACTORY (JQA-0789)

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