GA__ Grade 0.6 Pressure Gauge

Overview

This pressure gauge is designed for high accuracy made of stainless bourdon tube with dustproof structure. High accurate pressure gauge can be utilized for high accurate pressure measurement, R&D purpose and as test gauge for calibration purpose.

Features

- Bourdon tube is designed for high accuracy made of stainless material (SUS316) contributing to high corrosion resistance.
- It features blow out protection in case of event when pressure gauge breaks while monitoring.

*To maximize performance, select full scale pressure range to indicate normal operating pressure which comes to conditions below.

For constant pressure : The maximum operating pressure should not exceed three-quarters of the full-scale range.

For fluctuating pressure: The maximum operating pressure should not exceed two-thirds of the full-scale range.

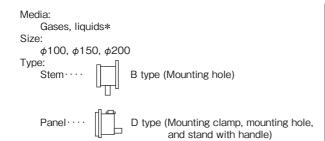
Select appropriate wetted parts compatible with process fluid (gas and liquid) which the gauge will be subjected.

Please refer to JIS B 7505-1 for details.

*Specify use no oil for oxygen service.

Specify corrosion resistant and use no oil for Acetylene measurement application.

Specifications 1



JIS mark available model:

GA21. GA31

Connection:

G3/8B, G1/2B, 1/2NPT, R3/8, R1/2

Consult us for nonstandard connections.

Wetted parts:

General type

Bourdon tube SUS316 Socket CAC203 **Available up to 10MPa

Corrosion resistant type Bourdon tube SUS316

Socket SCS14 or SUS316

Pressure range:

0 to 0.1MPa→0 to 160MPa

-0.1 to 0MPa→-0.1 to 2.5MPa

Operating temperature range:

-5 to 45℃

Grade 0.6 (According to JIS accuracy class)

*JIS class 0.6 accuracy equivalent for GA1 , GA26, GA36



JIS compliance

No JIS mark available for GA1□, GA26 and GA36

Blow out protection:

Blow out protection is used to protect window being blown up in case of high pressure leak happen from the failure of bourdon tube. The disc breaks and releases inner over pressure.

Caution

To maintain appropriate performance, space wider than 10mm against wall behind installing gauge is needed. Modification toward disk and plug, blocking out the disk are prohibited.

Pointer:

Twisted pointer

Case material · finish:

ADC12 (AC7A for GA3□) · Black

Weight:

 ϕ 100 Approx. 0.8kg

 ϕ 150 Approx. 1.5kg ϕ 200 Approx. 2.1kg

Treatment: (Option)

Use no oil and water · · · · Oil/Water used in manufacturing the gauges had been flushed

out & no oil/water residue remained inside its wetted parts.

Customized dial: (Option)

Capacity scale, dual scale, characters, circled and colored

*Caution

This pressure gauge is tested by water as its pressure media for calibration process. If customer's process media is gases, it is possible to utilize air for calibration. Specify accordingly.

(*Calibration is done by air when use no oil \slash and water are specified.)

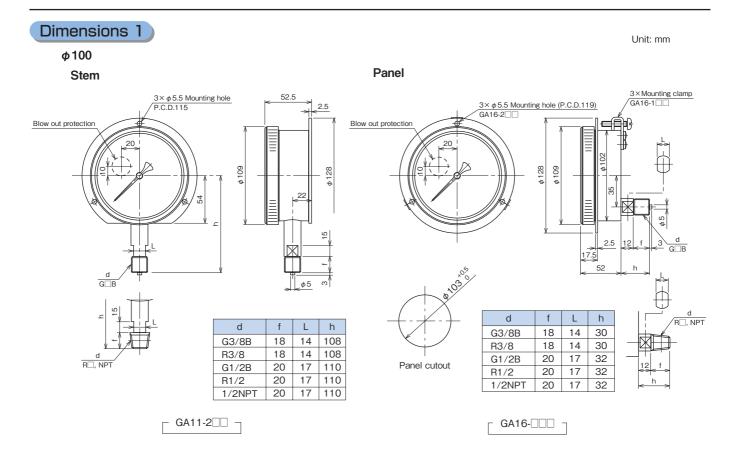
Grade 0.6 Pressure Gauge

Specifications 2

Minimum scale:

Pressure range (MPa)	Minimum scale (MPa)
0.1	0.001
0.16	0.001
0.25	0.002
0.4	0.002
0.6	0.005
1	0.01
1.6	0.01
2.5	0.02
4	0.02
6	0.05
10	0.1
16	0.1
25	0.2

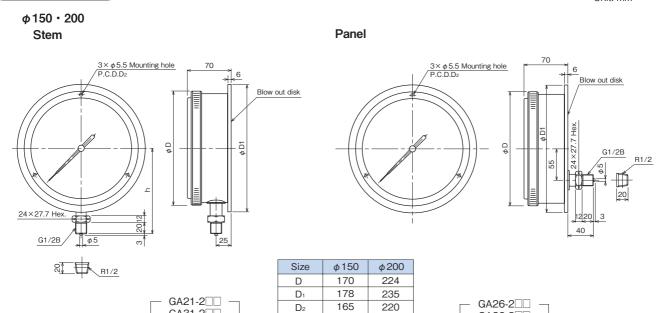
Pressure range (MPa)	Minimum scale (MPa)							
40	0.2							
60	0.5							
100	1							
160	1							
-0.1 to 0	0.001							
-0.1 to 0.1	0.002							
0.16	0.002							
0.25	0.002							
0.4	0.005							
0.6	0.005							
1	0.01							
1.6	0.02							
2.5	0.02							



For wall mounting type, secure "Release hole" aligning on the position of blowout back for releasing over pressure appropriately.

GA31-2

Dimensions 2



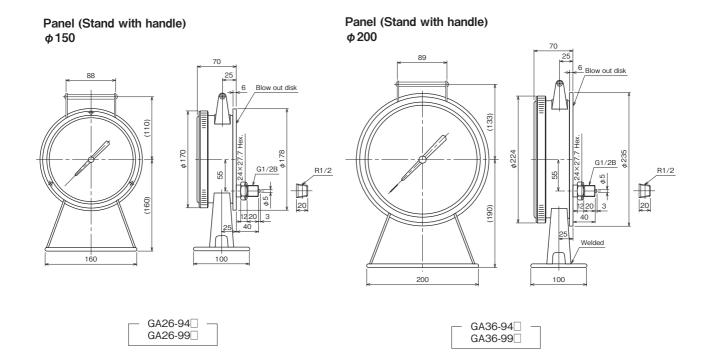
For wall mounting type, secure space for working blowout back (Back plate) (wider than 10mm) against wall behind installing gauge.

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GA36-2□□



\$\phi\$100 Grade 0.6 Pressure Gauge

Model number configuration Please specify the model number, each specs and the range for ordering.

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 $*\,\mbox{Specify code}$ "X" to refer N/A

(Width of dial scale and pointer are partially incompatible with specification JIS specifies.)

Grade 0.6 Pressure Gauge

φ150 Grade 0.6 Pressure Gauge

Model number configuration Please specify the model number, each specs and the range for ordering.

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 $*\,\mbox{Specify code}$ "X" to refer N/A

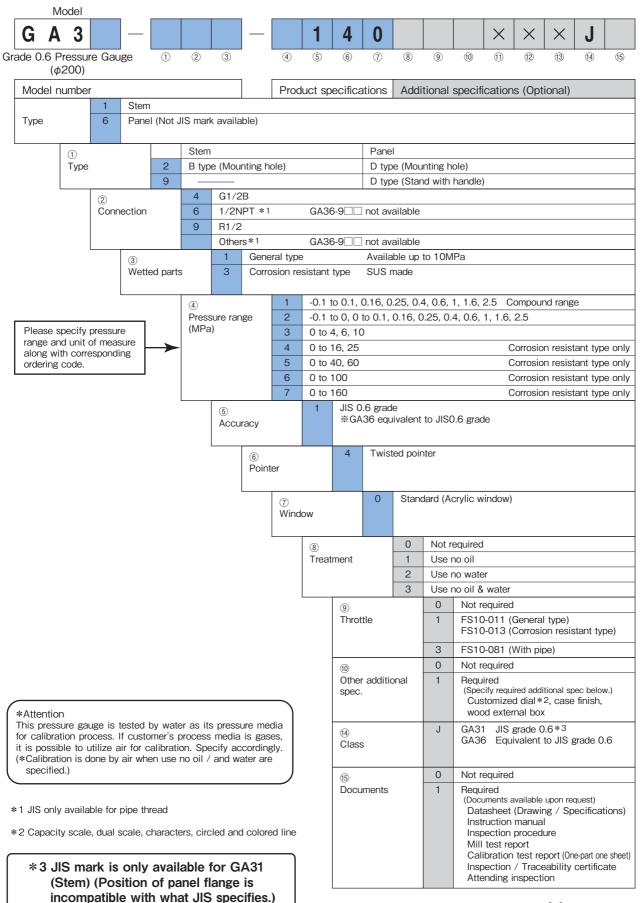
(Stem) (Position of panelflange is incompatible with what JIS specifies.)



Grade 0.6 Pressure Gauge

\$\phi 200 Grade 0.6 Pressure Gauge

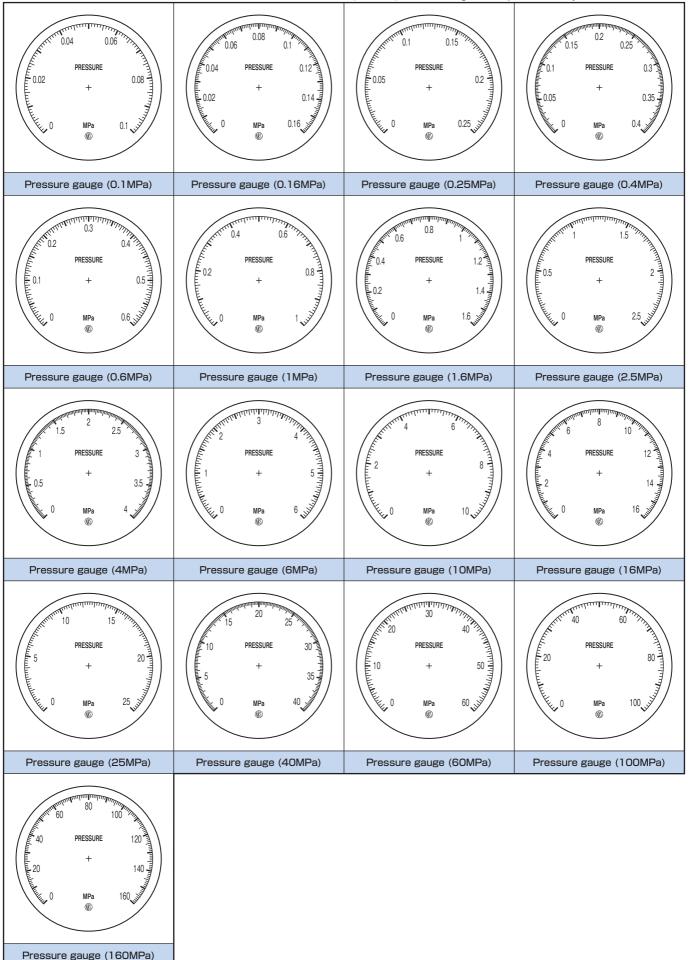
Model number configuration Please specify the model number, each specs and the range for ordering.



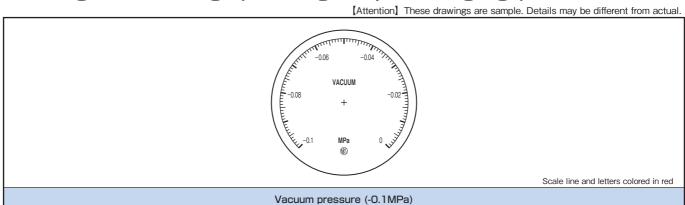
*Specify code "X" to refer N/A

JIS 0.6 grade dial design (JIS 0.6 grade pressure gauge)

[Attention] These drawings are sample. Details may be different from actual.



JIS 0.6 grade dial design (JIS 0.6 grade pressure gauge)



JIS 0.6 grade dial design (JIS 0.6 grade pressure gauge)

