

Diaphragm Seal Type Pressure Gauge



Standard Screw Connecting Type
KAG
-Diaphragm seal welding type-

OUTLINE

These pressure gauges are constructed to use a liquid filled between the diaphragm seal and element as the pressure transmission medium. Since the diaphragm seal and bottom flange of the wetted part can be selected to match the application, these gauges are applicable to measurement of highly corrosive fluids, high viscosity fluids, and fluids which are mixed with solids or which solidify easily.

CONSTRUCTION

A liquid sealed in between the diaphragm and Bourdon tube. The pressure received by the diaphragm is transmitted to Bourdon tube with filled liquid as the pressure medium and the Bourdon tube is displaced. This displacement is used to rotate a pointer.



Standard Screw Connecting Type
KAS
-Diaphragm seal insertion type-



Flange with Middle Pipe Type
KAGF



Direct Type
KAGF2
-Welded type-



Direct Type
KASF2
-Insertion type-



Rear Flange Type
KDUG

Standard Specification

■ Meter Part

Phenol Resin Case	φ75	Material	Black Color Rubber Phenol Resin/Screw Cap Sealing
	φ100	Mounting	AU
Metal Case	φ75	Material	Aluminum Die Casting ADC12
	φ100	Coating	Munsell N1.5 / Screw Cap Sealing
	φ150	Mounting	AU BU DU DBU
SUS Case	φ75	Material	SUS304 bayonet type Sealing (IP65)
	φ100	Coating	Electrolytic polishing
		Mounting	AU BU DBU
Pressure Range	Can be manufactured by the same specification of standard pressure gauge		
Bourdon Tube	Standard Specification : C6872T、7MPa over and order : SUS316		
Connector Size	Standard Specification : C3604BD、7MPa over and order : SUS316		

■ Filled liquid

Silicone Oil	Used for Standard Type
Propylene Glycol	For Food, Paint, Medicine, Cosmetics
Distilled Water	Ordered liquid by user
Daifloil	

■ Diaphragm

SUS316 L	Used for Standard Typ
PTFE	For Chemical, Corrosion Resistant, Food, Paint, Medicine, Cosmetics
Fluoride Rubber	For Chemical and Corrosion Resistant
Tantalum	
Titanium	
Hastelloy C	
SUS316L / Fluoride Coating	

■ Wetted Part Material

Top Flange	SUS304									
Wetted Part of Flange	SUS304 , SUS316 , SUS316L									
	PP , PVC , HT-PVC , PTFE									
	Titanium , Hastelloy C									
JIS10K	10A	15A	20A	25A	40A	50A	65A	80A	90A	100A
Welded Direct Type		○	○	○	○	○	○	○	○	○
Insert Direct Type		○	○	○	○	○	○	○	○	○
Middle Pipe Type	○	○	○	○	○	○	○	○	○	○

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