

SN8_

Small Diaphragm-Seal type Pressure Gauges

Overview

This pressure gauge is designed for high viscous pressure measurement with flat pressure receiving part for various apparatuses.

Features

- Flat pressure sensing part eliminating liquid pool making cleaning easy.
- Thread or ferrule type can be made depending on applications.
- Accuracy: $\pm 1.6\%$ F.S.

Main application

Apparatuses relating measurement of Cement milk pressure feeding, Earth pressure balanced shield, Sludge and sewage pump monitoring, Waste water and Slurry process.



Specifications

Item:

Description

Size:

$\phi 50$

Type:

Stem

Connection:

Thread type—R3/4, R1

Ferrule type—1S, 1 1/2S

Wetted parts:

Diaphragm SUS316L

Fitting SUS316

Pressure range:

0 to 1MPa → 0 to 3.5MPa

(Diaphragm diameter $\phi 22$, Connection R3/4, 1S)

0 to 0.6MPa → 0 to 3.5MPa

(Diaphragm diameter $\phi 28$, Connection R1, 1 1/2S)

Performance:

Standard, vibration resistant type (Option)

Operating temperature range:

Ambient -5 to 40°C

Wetted parts -5 to 40°C

Accuracy:

$\pm 3\%$ F.S. at 23°C

Temperature coefficient:

Ambient 0.2%F.S./°C and below

Wetted parts 0.1%F.S./°C and below

Enclosed liquid:

Ethylene glycol

Treatment: (Option)

Use no oil and water

Case material:

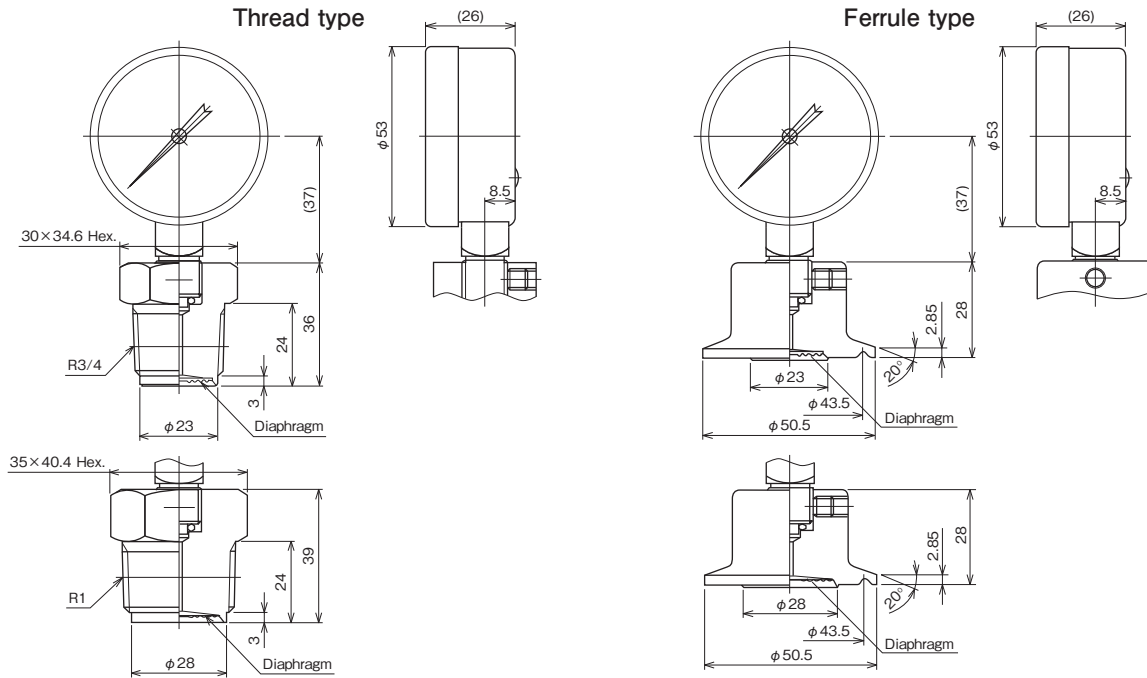
SUS304

Weight:

Approx. 250g (Thread type)

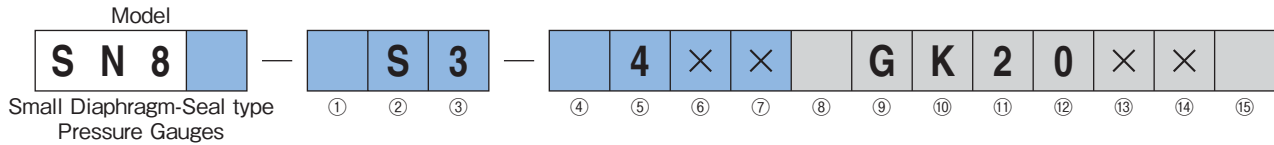
Dimensions

Unit: mm



Model number configuration

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



Model number		Product specifications	Additional specifications (Optional)
Model	0	Thread type	
	Y	Ferrule type	
① Connection	J	R3/4 (Thread type)	
	K	R1 (Thread type)	
	3	1S (Ferrule type)	
	5	1 1/2S (Ferrule type)	
② Connection type	S	Standard	
③ Wetted parts	3	Fitting: SUS316	
④ Diaphragm diameter	1	Diaphragm diameter: $\phi 22$ (R3/4, 1S)	Pressure range MPa: 0 to 1.0, 1.5, 2.0, 2.5, 3.5
	2	Diaphragm diameter: $\phi 28$ (R1, 1 1/2S)	Pressure range MPa: 0 to 0.6, 1.0, 1.5, 2.0, 2.5, 3.5
⑤ Diaphragm material	4	SUS316L	
⑧ Treatment	0	Not required	
	1	Use no oil	
	2	Use no water	
	3	Use no oil & water	
⑨⑩⑪⑫ Indicator	GK20	$\phi 50$ Small pressure gauge (Stem)	
		Corresponding model number GK20-W01 (Specify vibration resistant type if required.)	
⑮ Documents	0	Not required	
	1	Required (Documents available upon request)	Datasheet (Drawing / Specifications) Instruction manual Inspection procedure Mill test report Calibration test report (One-part one sheet) Inspection / Traceability certificate Attending inspection

Please specify pressure range and unit of measure along with corresponding ordering code.

※Specify electrical polish if required.

※Mounting clamp, nut and gasket are needed to be prepared by customer.

※Connecting parts (Mounting clamp, nut and gasket) must be used within their pressure resistance specification. Ensure the use within 1MPa which is the most typical maximum pressure resistance for mounting clamp available in market unless it is customized part.

* Specify code "X" to refer N/A