#### Cat.No. A04-06-F

## Highly vibration-proof and durable type

# SU4 Glycerine Bath Type Sanitary Gauges

#### Outline

This pressure gauge is specially designed to be used for pressure measuring in a variety of fields where hygiene is taking into consideration, such as food, medicine, cosmetics and biology.

#### Features

- The inside of the case is filled with glycerin, which reduces the burden on the movable part through pulsation and vibration, and also prevents abrasion of the internal link structure.
- Uses a stainless steel diaphragm.
- Case protective construction: IP65
- The radiation tube type excels in endurance and external washability.



#### Radiation shape

## Selectable radiation shapes from expanded lineup to accommodate variety of operating temperature environments.

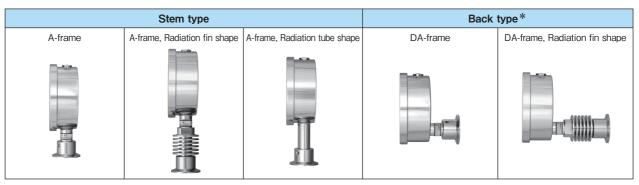
Radiation shape		Standard	Radiation fin	Radiation tube			
Externals		The second secon	the subscription of the su	NH2 NH2 NH2 NH2 NH2 NH2 NH2 NH2			
Operating	Wetted parts	-5 to 100°C	135°C				
temperature range	Ambient	-5 to 40°C					
Allowable	Wetted parts	-5 to 150°C					
temperature range	Ambient	-5 to 60°C					

## **NAGANO KEIKI**



## Mounting type

Available with selectable mounting types for variety of applications allows for space-saving.



\* The shape of the radiation tube cannot be manufactured.

#### Specifications

Radiation shape		Standard			Radiation fin				Radiation tube		
Siz	е	φ	75	φ1	00	φ	75	φ1	00	φ75	φ100
Mod	lel	SU40	SU45	SU41	SU46	SU42	SU47	SU43	SU48	SU4C	SU4E
Sha	ре	A-frame	DA-frame	A-frame	DA-frame	A-frame	DA-frame	A-frame	DA-frame	A-frame	
Accuracy		±1.5%F.S. at 23°C									
Wetted parts	Diaphragm			SUS316L							
material	Fitting		SUS316 or SUS316L (selectable)								
Pressure range0 to $0.1 \rightarrow 0$ to 5MPa $-0.1$ to $0 \rightarrow 0.1$ to 2MPa											
Temperature coefficient		Mounting periphery0.2%F.S./°C or lessWetted parts0.1%F.S./°C or less									
Filled liquid		Propylene glycol (Vacuum, Compound gauge: Silicone oil)									
Case material		$\phi$ 75Inner frame: CAC203 Chrome plate, Outer frame: C3604BD Chrome plate $\phi$ 100Inner frame: CAC203 Chrome plate, Outer frame: C3771 Chrome plate									
Glass		Inorganic glass or organic glass (Acrylic)									
Needle clamp		Nil									
Zero-adjusta	ble pointer	Nil									
Vent plug			St	Standard equipment * 1							
Case protection		IP65*2									

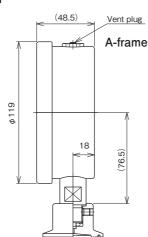
\*1 To prevent errors caused by internal pressure when the range is 1MPa or less, please make sure to raise the vent plug \*2 When the range is 1MPa or less, it will be IP65 when the vent plug is lowered.

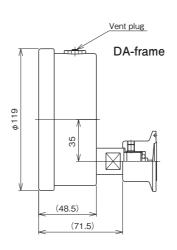
#### Dimensions 1

## (Ferrule type)



φ100





Unit: mm

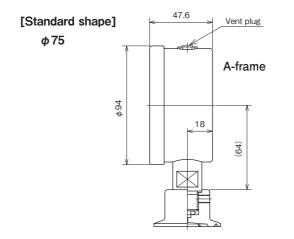
## **SU4** Glycerine Bath Type Sanitary Gauges

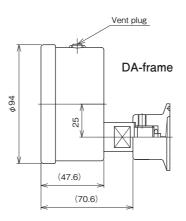
## Dimensions 2 (F

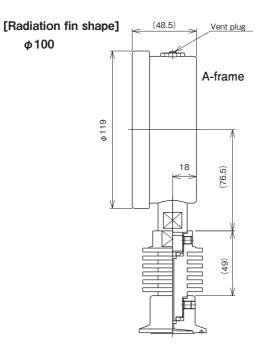
φ75

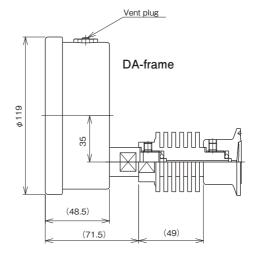
(Ferrule type)

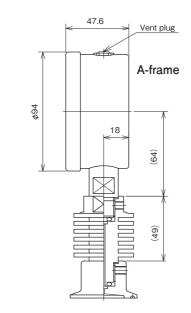


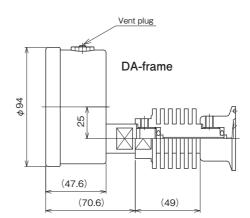






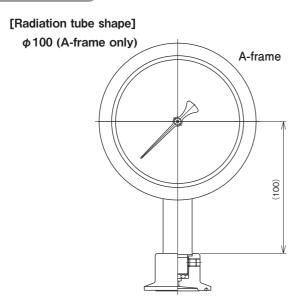


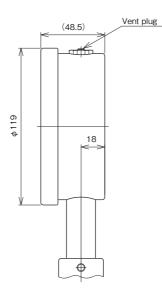




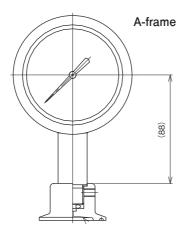
## **SU4** Glycerine Bath Type Sanitary Gauges

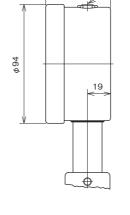
## Dimensions 3 (Ferrule type)





#### φ75 (A-frame only)





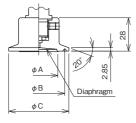
(49)

Vent plug

### Dimensions 4

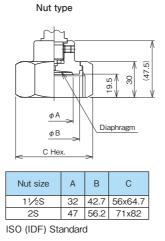
#### [Connection type]

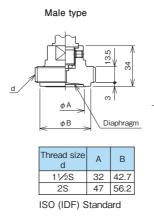




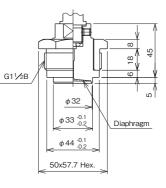
Ferrule size	А	В	С
1S	23	10 E	50.5
11⁄2S	32	43.5	
2S	47	56.5	64

ISO (IDF) Standard





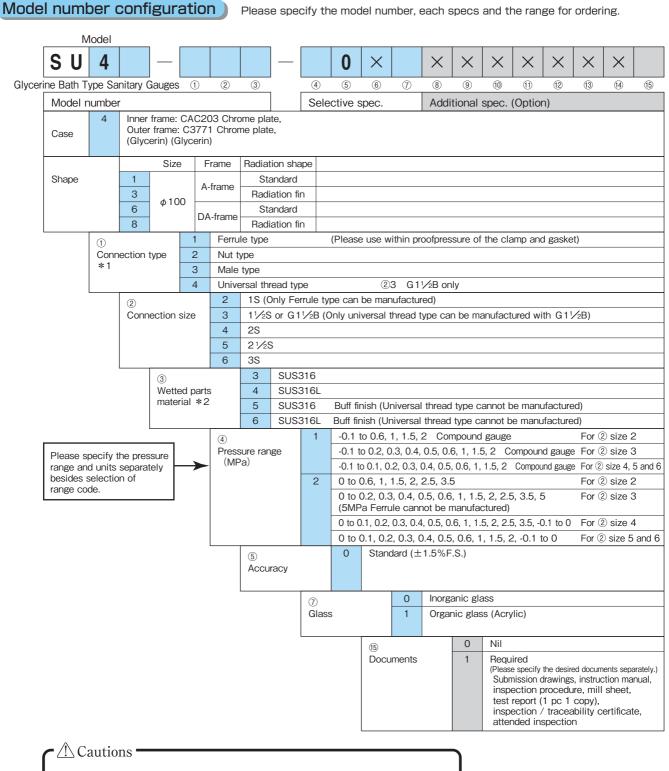
Universal thread type





Unit: mm

## Glycerine Bath Type Sanitary Gauges (\$\$\phi\$100) Standard, Radiation fin shape



1 Please use it within the range of proofpressure of connected parts (clamp, nut, and gasket, etc.). When using Ferrule types, many commercial clamps have a pressure resistance of 1MPa or less. Please keep the pressure at 1MPa or less as long as you are not using special-purpose items.

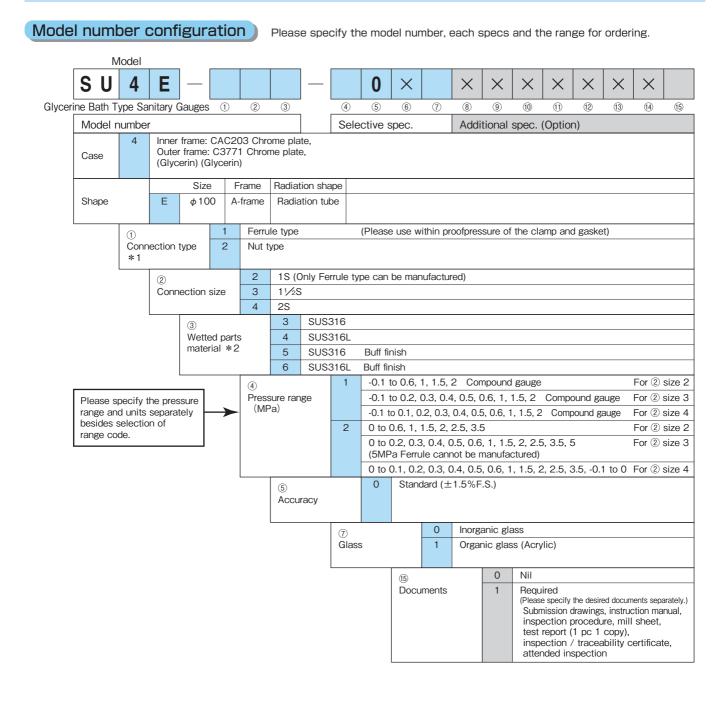
[Manufacturing range]

- Filled liquid: Propylene glycol (Vacuum, Compound gauge: Silicone oil)
- Wetted parts material: Diaphragm; SUS316L, Fitting; SUS316 or SUS316L

\*2 Please contact us for electrolytic polishing wetted parts and passivation treatment specifications.

\*Parts required for installation, such as clamps, nuts, gaskets, etc., are to be prepared by the user.

## Glycerine Bath Type Sanitary Gauges (**\$\$100**) Radiation tube shape



#### Cautions

\*1 Please use it within the range of proofpressure of connected parts (clamp, nut, and gasket, etc.). When using Ferrule types, many commercial clamps have a pressure resistance of 1MPa or less. Please keep the pressure at 1MPa or less as long as you are not using special-purpose items.

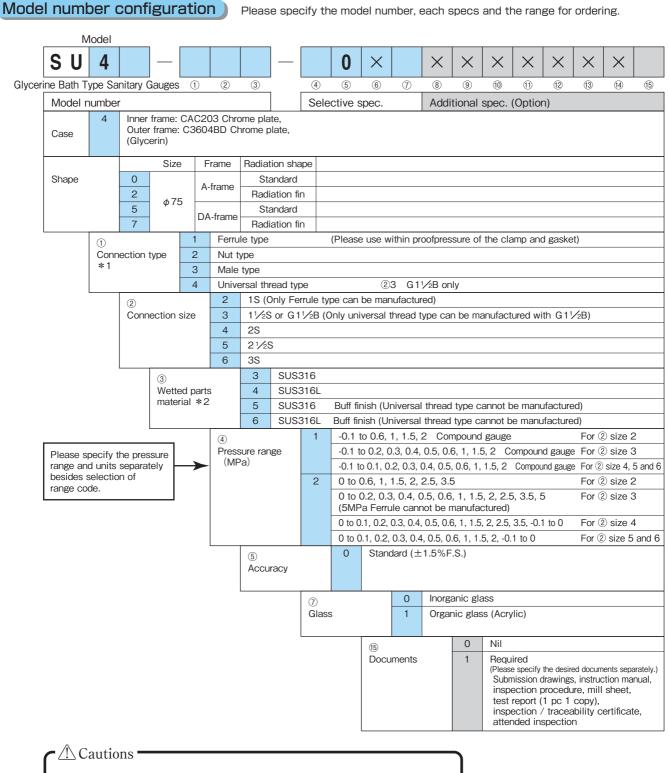
[Manufacturing range]

- Filled liquid: Propylene glycol (Vacuum, Compound gauge: Silicone oil)
- Wetted parts material: Diaphragm; SUS316L, Fitting; SUS316 or SUS316L
- \*2 Please contact us for electrolytic polishing wetted parts and passivation treatment specifications.

\* Parts required for installation, such as clamps, nuts, gaskets, etc., are to be prepared by the user.

\* Specify "X" if there is no specification item.

## Glycerine Bath Type Sanitary Gauges (**\$ 75**) Standard, Radiation fin shape



\*1 Please use it within the range of proofpressure of connected parts (clamp, nut, and gasket, etc.). When using Ferrule types, many commercial clamps have a pressure resistance of 1MPa or less. Please keep the pressure at 1MPa or less as long as you are not using special-purpose items.

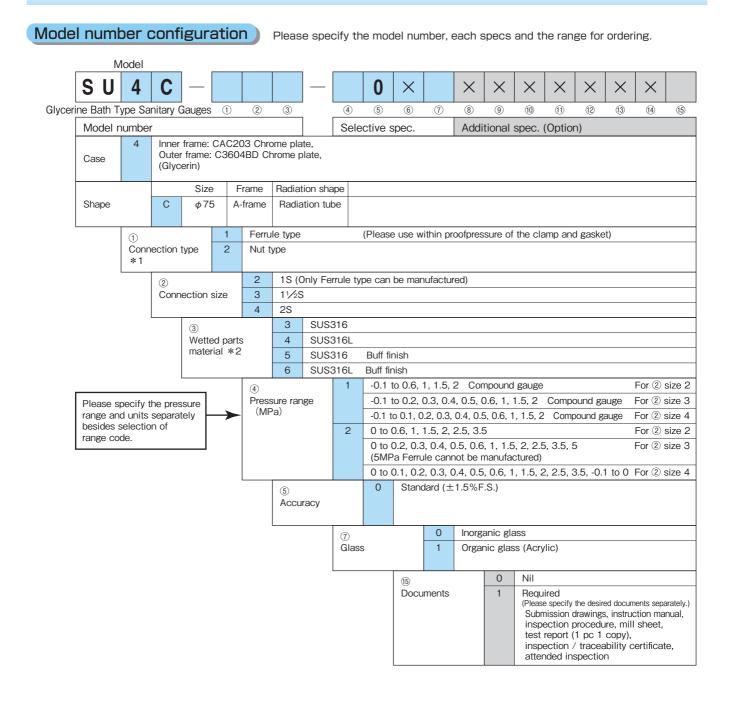
[Manufacturing range]

- Filled liquid: Propylene glycol (Vacuum, Compound gauge: Silicone oil)
- · Wetted parts material: Diaphragm; SUS316L, Fitting; SUS316 or SUS316L

\*2 Please contact us for electrolytic polishing wetted parts and passivation treatment specifications.

\* Parts required for installation, such as clamps, nuts, gaskets, etc., are to be prepared by the user.

## Glycerine Bath Type Sanitary Gauges (**\$\phi75**) Radiation tube shape



#### Cautions

1 Please use it within the range of proofpressure of connected parts (clamp, nut, and gasket, etc.). When using Ferrule types, many commercial clamps have a pressure resistance of 1MPa or less. Please keep the pressure at 1MPa or less as long as you are not using special-purpose items.

[Manufacturing range]

- · Filled liquid: Propylene glycol (Vacuum, Compound gauge: Silicone oil)
- Wetted parts material: Diaphragm; SUS316L, Fitting; SUS316 or SUS316L
- \*2 Please contact us for electrolytic polishing wetted parts and passivation treatment specifications.

\* Parts required for installation, such as clamps, nuts, gaskets, etc., are to be prepared by the user.

 $\ast$  Specify "X" if there is no specification item.