

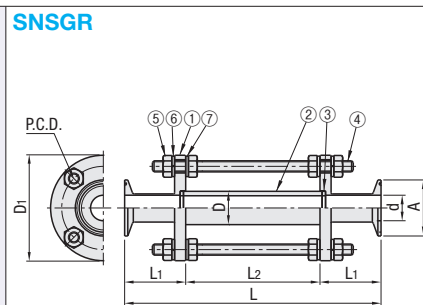
Sanitary Sight Glasses / Sanitary Pressure Gauges / Showerballs

In-line / View Port

Open-Top Tanks

Overview

Sight Glasses In-line Type



Part Number	Type	No.	A	d	D1	D	P.C.D.	L	L1	L2	Unit Price Qty. 1	Volume Discount Rate 2-3
SNSGR	1S	50.5	23	30	95	75	231			121		
	1.5S	35.7	45	115	90		306	55		196		
	2S	64	47.8	60	120	95						

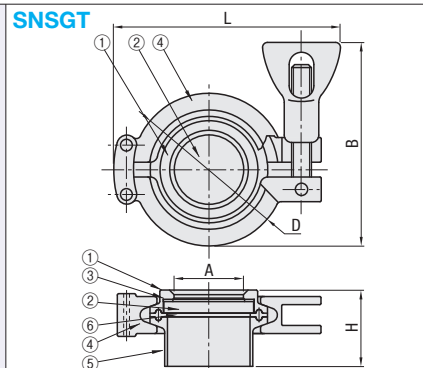
Parts and Materials

Part No.	Part Name	Material
①	Flanged Joint	SUS304
②	Glass Pipe	Pyrex
③	Gaskets	EPDM
④	Stud Bolt	SUS304
⑤	Nut	SUS304
⑥	Spring Washer	SUS304
⑦	Plain Washer	SUS304

Features

Useful to see fluid state inside glass pipe.

Sight Glasses View Port Type



Part Number	Type	No.	A	B	D	L	H	(Ref.) Pressure Resistance (MPa)	Unit Price Qty. 1	Volume Discount Rate 2-5
SNSGT	1.5S	30	88	66	98	36		1.0		
	2S	40	93	80	113	36		0.6		

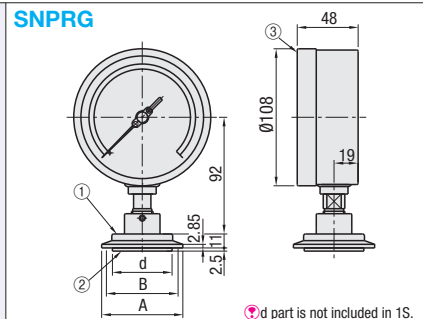
Parts and Materials

Part No.	Part Name	Material
①	Ferrule (Window Frame)	SUS304
②	Window	Tempax
③	Gaskets	EPDM
④	Clamp	SCS13A
⑤	Ferrule (Weld-On)	SUS304
⑥	Gasket	EPDM

Features

Useful to see contents such as tank.
If possible, avoid using it for compressing.

Sanitary Pressure Gauges



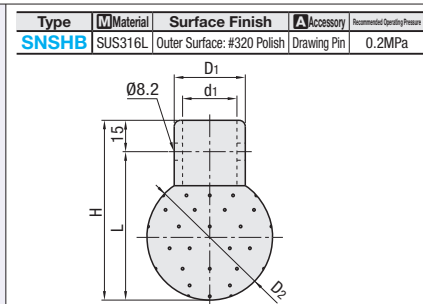
Part Number	Type	No.	Pressure Range (MPa)	A	B	d	Unit Price Qty. 1 ~ 2	Volume Discount Rate 3-5
SNPRG	1S	0.25	50.5	43.5	-			
	1.5S	0.4			34			
	2S	1.0	64	56.5	47			

Precision: ±1.6%FS For orders larger than indicated quantity, please check with WOS.

Parts and Materials

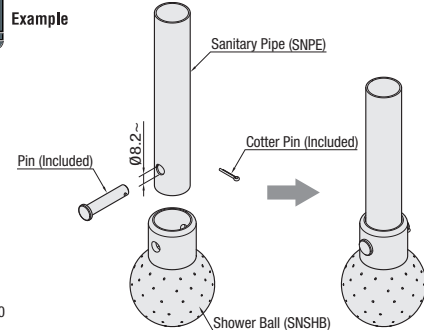
Part No.	Part Name	Material
①	Diaphragm - Ferrule	SUS316
②	Diaphragm - Film	SUS316
③	Indicating Part - Main Body	SUS304
-	Diaphragm - Fluid	Silicon Oil for Food Processing

Showerballs

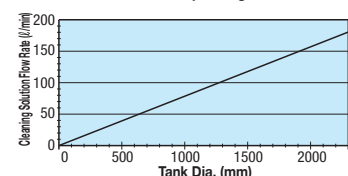


Part Number	Type	No.	D1	d1	D2	L	Hole Dia.	Max. Flow at 0.2MPa	Tank Diameter Applicable to Cleansing	Unit Price Qty. 1	Volume Discount Rate 2-3
SNSHB	15A	27.2	22.2	40	51	66	1.2	22	562/min	0700	
	1S	34	26	60	71	86	1.5	50	1022/min	01300	
	1.5S	48.6	38.6	100	113	128	2	60	1392/min	01800	

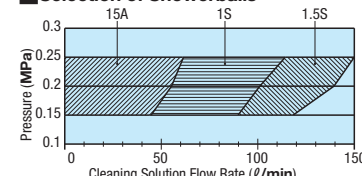
For tank diameter applicable to cleansing at 0.2MPa: Tank Diameter xtx252/min For orders larger than indicated quantity, please check with WOS.



Selection of Flow Rate Depending on Tank Diameter



Selection of Showerballs



Features

- Open-Top Tanks are suitable for storage or mixing of liquids (powders). Selectable from a wide capacity range from 2.0 to 45.8ℓ.
- By specifying I.D. and desired depth, depth is automatically determined (refer to "How to Specify Tank Capacity" below).
- Selectable between 3 outlet shapes in 2 places (see "Shapes of Liquid Outlets" below for details) and 2 types of lids, according to the application.
- Position of Tanks can be adjustable by specifying the weld height of feet in 10mm increment.

Product Overview

- ① Effective Capacity: 2.0 ~ 45.8ℓ
- ② Material: SUS304
- ③ Finish: Buffing on inner and outer surface polishing grade #320 (* Note)
(* Note) Buff Polish Grade: (a) #240: Coarse Buff Polish. High level of brightness or luster is not provided.
(b) #320: Standard Buff Polish. Our product is provided with this type of polish.

Condition of Use

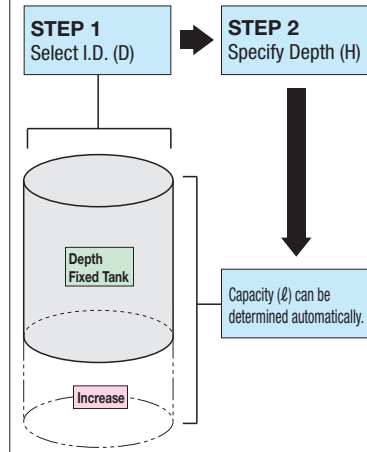
- ① Operating Pressure (Atmospheric Pressure)
- ② SUS304 Chemical Resistance (See the following Table 1 for details)
- ③ Gaskets for Sealing Lid (For physical properties and chemical resistance, see P.391) (See Table 2 below for oil and solvent resistance) Confirm ①~③ above before use.

<Table 1> Stainless Steel Chemical Resistance Chart <Table 2> Gaskets for Sealing Lid: Oil Resistance and Solvent Resistance

Chemical Solution	SUS304	Chemical Solution	SUS304	Chemical Solution	Silicone	Chemical Solution	Silicone
Alcohol	○	Bicarbonate Soda	○	Gasoline, Light Oil	△	Trichloroethylene	×
Ethyl Alcohol	○	Lactic Acid (5%, Boiled)	△	Benzene, Toluene	×	Methyl Alcohol	○
Ammonia Water	○	Lactic Acid (10%, Boiled)	×	Animal and Vegetable Oil	□	Methylethylketone	×
Butyric Acid	○	Sulfuric Acid (5%)	△	Diester Lubricating Oil	□	Ethyl Acetate	×
Salt (Dry)	○	Sulfuric Acid (50%)	×	Phosphate-chlorinated Hydraulic Oil	△	Ethyl Alcohol	×
Vinegar	○	Chlorine Gas (Humid)	×				
Dilute Nitric Acid	○	Chlorine Water	×				
Concentrated Nitric Acid	×	Hydrochloric Acid	×				
Acetic Anhydride	○	Ferric Chloride	×				
Acetic Anhydride (Boiled)	×	Bromine	×				

The information in <Table 1> and <Table 2> above is reference data and to be used only as a guide. Values may differ depending on operational conditions or operating environment.

How to Specify Tank Depth



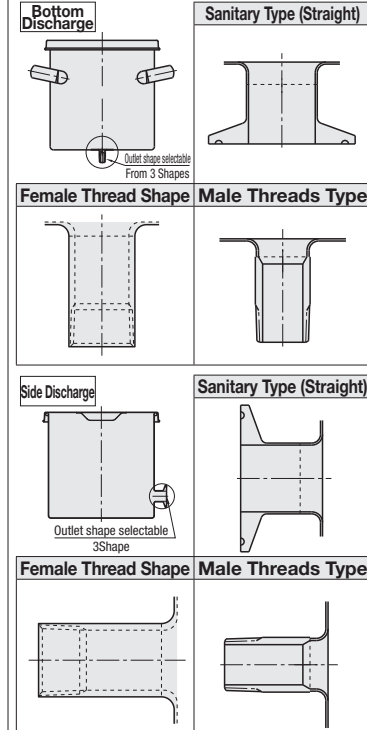
Point

- ① I.D. selectable from 6 sizes
- ② Depth Configurable: Selectable from a depth range from 90 to 450mm
→ A variety of tank shapes is possible by the combination of ① & ②.

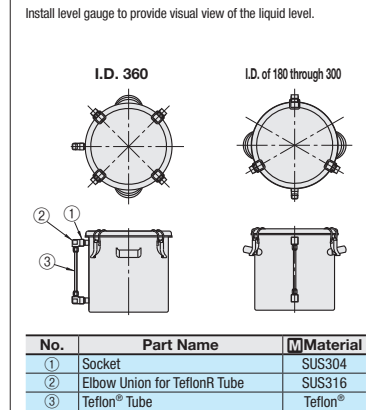
Ex.) Tanks with full capacity of 5ℓ, with 3 different I.D.

I.D. (D)	Depth (H)	Features
180	200	Slim and deep tanks
210	150	Medium-sized tanks
240	115	Thick and shallow tanks

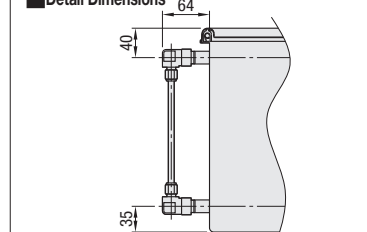
Liquid Outlet Variation



Installation of Level Gauge



Detail Dimensions



Dimensions shown are common to all Tank sizes and Height Specifiable Tanks. Level Gauges with effective H depth of 220 or above are configurable.



- Use under atmospheric pressure. Never use for compressing.
- Never use as a container to generate vapor by steaming, heating or as a result of chemical reaction.