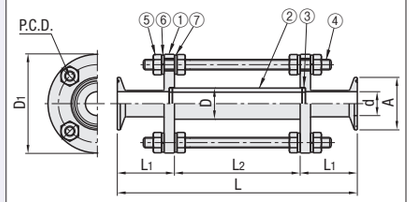
Sanitary Sight Glasses / Sanitary Pressure Gauges / Showerballs

In-line / View Port

■Sight Glasses - In-line Type -

RoHS10

SNSGR



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

For orders larger than indicated quantity, please request a quotation.

■Parts and Materials

Part No.	Part Name	Material
①	Flanged Joint	304 Stainless Steel
②	Glass Pipe	Pyrex
③	Gaskets	EPDM Synthetic Rubber
④	Stud Bolt	304 Stainless Steel
⑤	Nut	304 Stainless Steel
⑥	Spring Washer	304 Stainless Steel
⑦	Plain Washer	304 Stainless Steel

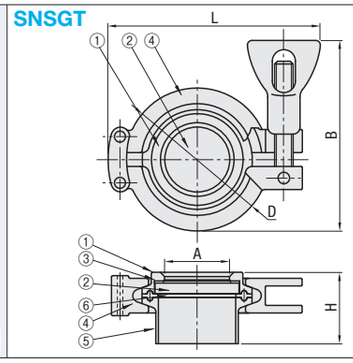
■Feature

Useful to see fluid state inside glass pipe.

■Sight Glasses - View Port Type -

RoHS10

SNSGT



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		

For orders larger than indicated quantity, please request a quotation.

■Parts and Materials

Part No.	Part Name	Material
①	Ferrule (Window Frame)	304 Stainless Steel
②	Window	Tempax
③	Gaskets	EPDM Synthetic Rubber
④	Clamp	CF-8 Stainless Steel Cast
⑤	Ferrule (Weld-On)	304 Stainless Steel
⑥	Gasket	EPDM Synthetic Rubber

■Feature

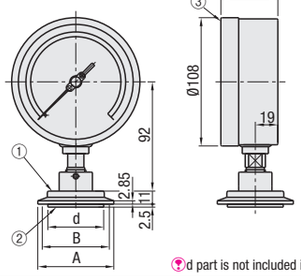
Useful to see contents inside such as tank.

⊗If possible, avoid using it in pressurized tanks.

■Sanitary Pressure Gauges

RoHS10

SNPRG



d part is not included in 1S.

Part Number Type	No.	Pressure Range (MPa)	A	B	d	Unit Price Qty. 1~2	Volume Discount Rate 3~5
SNPRG	1S	0.25 0.4 0.6 1.0	50.5	43.5	-		
	1.5S				34		
	2S		64	56.5	47		

Precision: ±1.6%FS For orders larger than indicated quantity, please request a quotation.

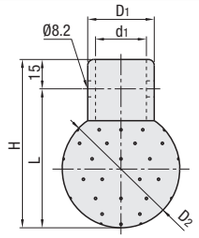
■Parts and Materials

Part No.	Part Name	Material
①	Diaphragm - Ferrule	316 Stainless Steel
②	Diaphragm - Film	316 Stainless Steel
③	Indicating Part - Main Body	304 Stainless Steel
-	Diaphragm - Fluid	Silicon Oil for Food Processing

■Showerballs

Type	Material	Surface Finish	Accessories	Recommended Operating Pressure
SNSHB	316L Stainless Steel	Outer Surface: #320 Polish	Drawing Pin	0.2MPa

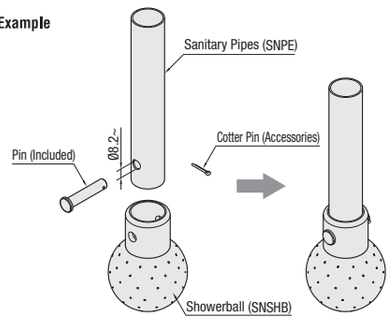
RoHS10



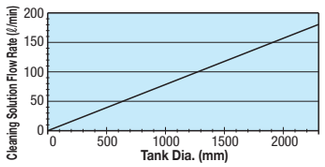
Part Number Type	No.	D1	d1	D2	L	H	Hole Dia.	Number of Holes	Max. Flow at 0.2MPa	Tank Diameter Applicable to Cleansing	Unit Price Qty. 1	Volume Discount Rate 2~3
SNSHB	15A	27.2	22.2	40	51	66	1.2	22	56ℓ/min	Ø700		
	1S	34	26	60	71	86	1.5	50	102ℓ/min	Ø1300		
	1.5S	48.6	38.6	100	113	128	2	60	139ℓ/min	Ø1800		

For tank diameter applicable to cleansing at 0.2MPa: Tank Diameter x π x 25ℓ/min
For orders larger than indicated quantity, please request a quotation.

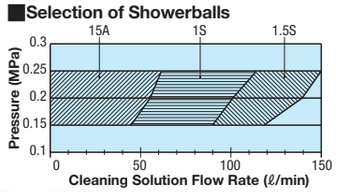
Example



■Selection of Flow Rate Depending on Tank Diameter



■Selection of Showerballs



Ordering Example

Part Number		Pressure Range
SNSGR1S SNPRG2S SNSHB1S	-	1.0

Days to Ship

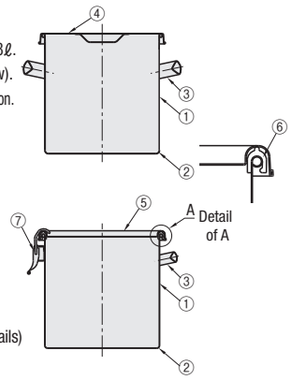
Configure Online

Open -Top Tanks

Overview

■Feature

- 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

- ①Effective Capacity: 2.0~45.8ℓ
- ②Material: 304 Stainless Steel
- ③Finish: Buffed Surface 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: Fine Buff Polish. Our product is provided with this type of polish.

■Condition of Use

- ①Operating Pressure (Atmospheric Pressure) · ②304 Stainless Steel Chemical Resistance (See the following Table 1 for details)
- ③Gaskets for Sealing Lid (For physical properties and chemical resistance, see **P.371**) (See Table 2 below for oil and solvent resistance)Confirm ①~③ above before use.

<Table 1> Stainless Steel Chemical Resistance Chart

○: Excellent △: Slight Corrosion ×: Severe Corrosion

Chemical Solution	304 Stainless Steel	Chemical Solution	304 Stainless Steel
Alcohol	○	Bicarbonate Soda	○
Ethyl Alcohol	○	Lactic Acid (5%, Boiled)	△
Ammonia Water	○	Lactic Acid (10%, Boiled)	×
Butyric Acid	○	Sulfuric Acid (5%)	△
Salt (Dry)	○	Sulfuric Acid (50%)	×
Vinegar	○	Chlorine Gas (Humid)	×
Dilute Nitric Acid	○	Chlorine Water	×
Concentrated Nitric Acid	×	Hydrochloric Acid	×
Acetic Anhydride	○	Ferric Chloride	×
Acetic Anhydride (Boiled)	×	Bromine	×

<Table 2> Gaskets for Sealing Lid: Oil Resistance and Solvent Resistance

○: Good □: Acceptable △: Inferior ×: Not Acceptable

Chemical Solution	Silicone	Chemical Solution	Silicone
Gasoline, Light Oil	△	Trichloroethylene	×
Benzene, Toluene	×	Methyl Alcohol	○
Animal and Vegetable Oil	□	Methylethylketone	×
Diester Lubricating Oil	□	Ethyl Acetate	×
Phosphate-chlorinated Hydraulic Oil	△	Ethyl Alcohol	×

■Parts and Materials

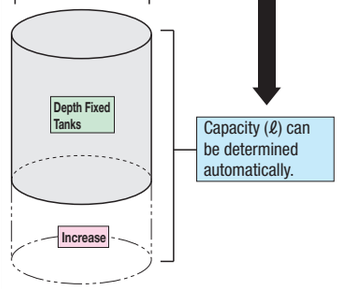
No.	Part Name	Material	Qty.
①	Shell Plate	304 Stainless Steel	1
②	Base Plate	304 Stainless Steel	1
③	Carrying Handle	304 Stainless Steel	2
④	Standard Lid	304 Stainless Steel	1
⑤	Sealing Lid	304 Stainless Steel	1
⑥	Gasket for Sealing Lid	Silicon Rubber	1
⑦	Clip	304 Stainless Steel	3

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

STEP 1 Select I.D. (D)

STEP 2 Specify Depth (H)



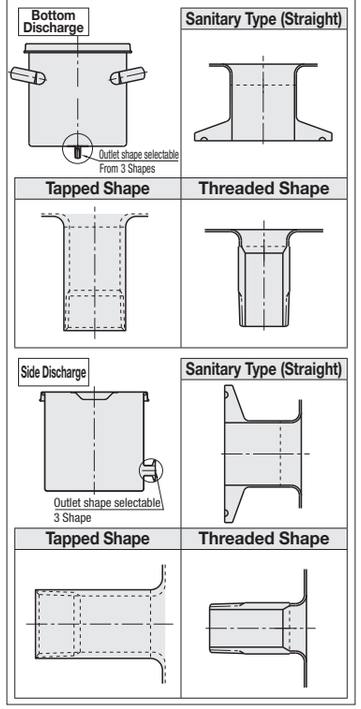
■Point

①I.D. selectable from 6 sizes
②Depth 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.

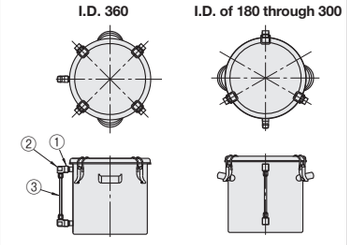
I.D. (D)	Depth (H)	Features
180	200	Slim and Deep Tanks
210	150	Medium-Sized Tanks
240	115	Thick and Shallow Tanks

Liquid Outlet Variation



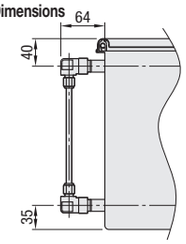
Installation of Level Gauge

Install Level Gauge to provide visual view of the liquid level.



No.	Part Name	Material
①	Socket	304 Stainless Steel
②	Elbow Union for TeflonR Tube	316 Stainless Steel
③	Teflon® Tube	Teflon®

■Detail Dimensions



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

CAUTION

- 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.