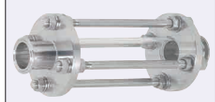
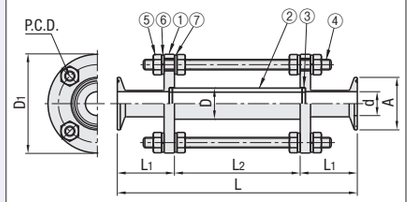
Sanitary Sight Glasses / Sanitary Pressure Gauges / Showerballs
In-line / View Port

■Sight Glasses In-line Type





RoHS10

Part Number Type	No.	A	d	D	D1	P.C.D.	L	L1	L2	Unit Price Qty. 1	Volume Discount Rate 2~3
	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 check with WOS.

■Parts and Materials

Part No.	Part Name	Material
①	Flanged Joint	EN 1.4301 Equiv.
②	Glass Pipe	Pyrex
③	Gaskets	EPDM
④	Stud Bolt	EN 1.4301 Equiv.
⑤	Nut	EN 1.4301 Equiv.
⑥	Spring Washer	EN 1.4301 Equiv.
⑦	Plain Washer	EN 1.4301 Equiv.

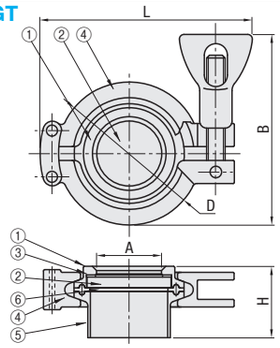
■Features

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 check with WOS.

■Parts and Materials

Part No.	Part Name	Material
①	Ferrule (Window Frame)	EN 1.4301 Equiv.
②	Window	Tempax
③	Gaskets	EPDM
④	Clamp	EN 1.4308 Equiv.
⑤	Ferrule (Weld-On)	EN 1.4301 Equiv.
⑥	Gasket	EPDM

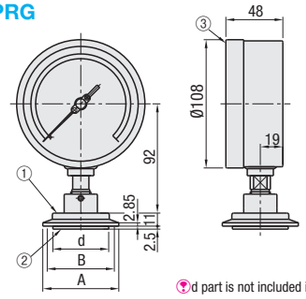
■Features

Useful to see contents such as tank.

If possible, avoid using it for compressing.

■Sanitary Pressure Gauges

SNPRG



RoHS10

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 check with WOS.

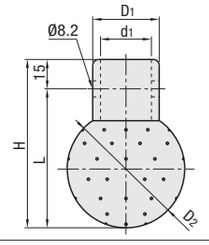
■Parts and Materials

Part No.	Part Name	Material
①	Diaphragm - Ferrule	EN 1.4401 Equiv.
②	Diaphragm - Film	EN 1.4401 Equiv.
③	Indicating Part - Main Body	EN 1.4301 Equiv.
-	Diaphragm - Fluid	Silicon Oil for Food Processing

■Showerballs

Type	Material	Surface Finish	Accessory	Recommended Operating Pressure
SNSHB	EN 1.4404 Equiv.	Outer Surface: #320 Polish	Drawing Pin	0.2MPa

RoHS10

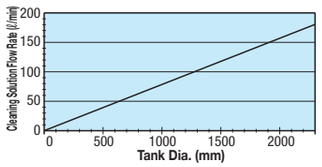


Part Number Type	No.	D1	d1	D2	L	H	Hole Dia.	Number of Holes	Max. Flow Rate at 0.2MPa	Tank Diameter Applicable to Cleansing	Unit Price Qty. 1	Volume Discount Rate 2~3
SNSHB	15A	27.2	22.2	40	51	66	1.2	22	56ℓ/min	Ø700		
	1S	34	26	60	71	86	1.5	50	102ℓ/min	Ø1300		
	1.5S	48.6	38.6	100	113	128	2	60	139ℓ/min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

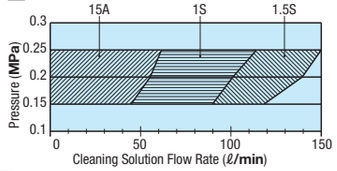
For tank diameter applicable to cleansing at 0.2MPa: Tank Diameter xπx25ℓ/min

For orders larger than indicated quantity, please check with WOS.

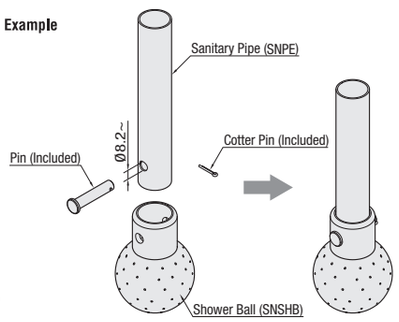
■Selection of Flow Rate Depending on Tank Diameter



■Selection of Showerballs



Example



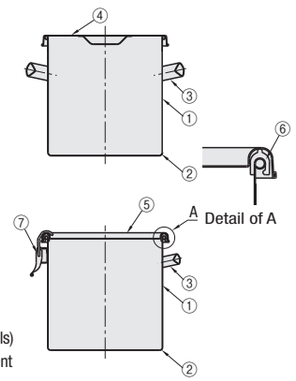
Ordering Example

Part Number	-	Pressure Range
SNPRG2S	-	1.0
SNSHB1S		

Open-Top Tanks
Overview

■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

- ①Effective Capacity: 2.0 ~ 45.8ℓ
- ②Material: EN 1.4301 Equiv.
- ③Finish: 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

- ①Operating Pressure (Atmospheric Pressure) ・②EN 1.4301 Equiv. Chemical Resistance (See the following Table 1 for details)
- ③Gaskets 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

○: Excellent △: Slight Corrosion ×: Severe Corrosion

Chemical Solution	EN 1.4301 Equiv.	Chemical Solution	EN 1.4301 Equiv.
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

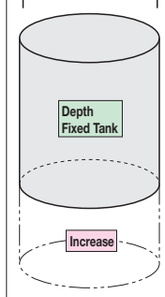
No.	Part Name	Material	Qty.
①	Shell Plate	EN 1.4301 Equiv.	1
②	Base Plate	EN 1.4301 Equiv.	1
③	Carrying Handle	EN 1.4301 Equiv.	2
④	Standard Lid	EN 1.4301 Equiv.	1
⑤	Sealing Lid	EN 1.4301 Equiv.	1
⑥	Gasket for Sealing Lid	Silicon Rubber	1
⑦	Clip	EN 1.4301 Equiv.	3

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)



Capacity (ℓ) can be determined automatically.

■Point

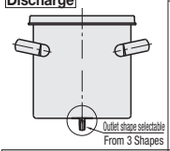
①I.D. selectable from 6 sizes
②Depth Configurable: Selectable from a depth range from 90 to 450mm
⇒A variety of tank shapes is possible by the combination of ①&②.

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

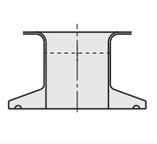
I.D. (D)	Depth (H)	Features
180	200	Slim and deep tanks
210	150	Medium-sized tanks
240	115	Thick and shallow tanks

Liquid Outlet Variation

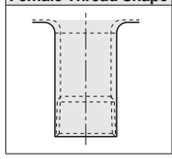
Bottom Discharge



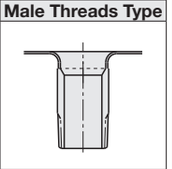
Sanitary Type (Straight)



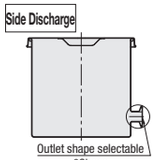
Female Thread Shape



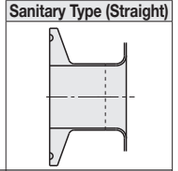
Male Threads Type



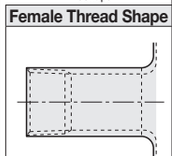
Side Discharge



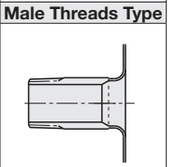
Sanitary Type (Straight)



Female Thread Shape



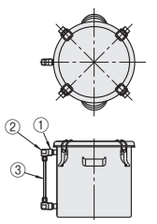
Male Threads Type



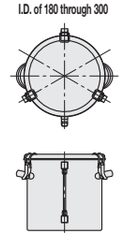
Installation of Level Gauge

Install level gauge to provide visual view of the liquid level.

I.D. 360

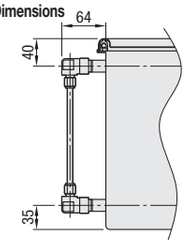


I.D. of 180 through 300



No.	Part Name	Material
①	Socket	EN 1.4301 Equiv.
②	Elbow Union for TeflonR Tube	EN 1.4401 Equiv.
③	Teflon® Tube	Teflon®

■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.

Caution 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.