

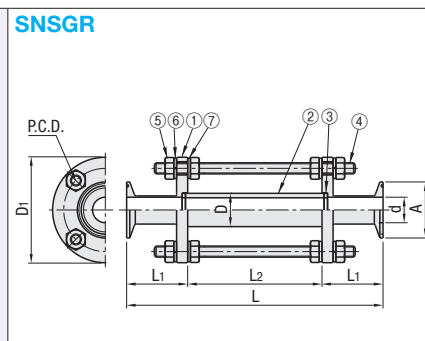
Sanitary Sight Glasses / Sanitary Pressure Gauges / Showerballs

In-line / View Port

Open-Top Tanks

Overview

Sight Glasses In-line Type



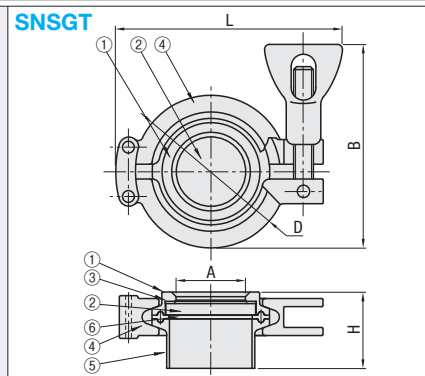
| Part Number | Type | No. | A | d | D1 | D2 | P.C.D. | L | L1 | L2 | Unit Price Qty. 1 | Volume Discount Rate 2-3 |
|-------------|-------|------|------|-----|-----|----|--------|-----|----|-----|-------------------|--------------------------|
| 1S | SNSGR | 1.5S | 50.5 | 23 | 30 | 95 | 75 | 231 | | 121 | | |
| 1.5S | | 35.7 | 45 | 115 | 90 | | 306 | 55 | | | | |
| 2S | | 64 | 47.8 | 60 | 120 | 95 | | | | 196 | | |

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



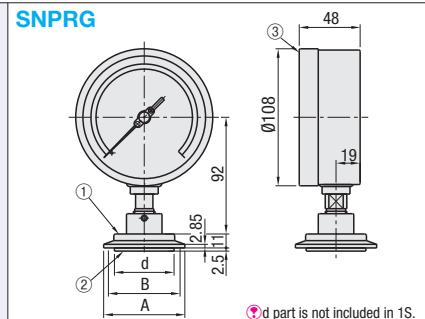
| Part Number | Type | No. | A | B | D | L | H | (Ref.) Pressure Resistance (MPa) | Unit Price Qty. 1 | Volume Discount Rate 2-5 |
|-------------|-------|-----|----|----|-----|----|---|----------------------------------|-------------------|--------------------------|
| 1.5S | SNSGT | 30 | 88 | 66 | 98 | 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 Float reinforced product |
| 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



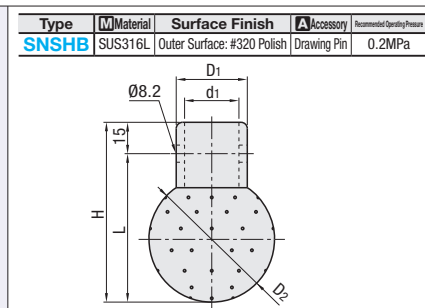
| Part Number | Type | No. | Pressure Range (MPa) | A | B | d | Unit Price Qty. 1 ~ 2 | Volume Discount Rate 3-5 |
|-------------|-------|------|----------------------|------|----|---|-----------------------|--------------------------|
| 1S | SNPRG | 0.25 | 50.5 | 43.5 | | | | |
| 1.5S | | 0.4 | | |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

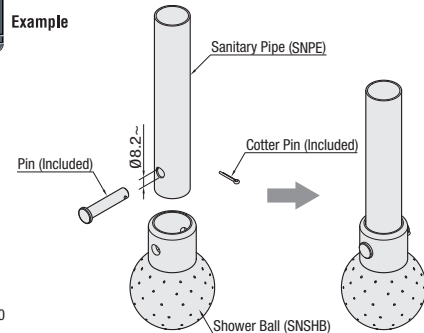
| Part No. | Part Name | Material |
|----------|-----------------------------|---------------------------------|
| ① | Diaphragm - Ferrule | SUS316 |
| ② | Diaphragm - Film | SUS316 |
| ③ | Indicating Part - Main Body | SUS304 |
| - | Diaphragm - Fluid | Silicon Oil for Food Processing |

Showerballs

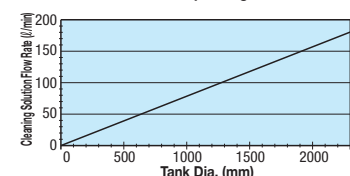


| Part Number | Type | No. | D1 | d1 | D2 | L | Hole Dia. | Max. Flow of Water | Max. Flow at 0.2MPa | Tank Diameter Applicable to Cleansing | Unit Price Qty. 1 | Volume Discount Rate 2-3 |
|-------------|-------|------|------|------|-----|-----|-----------|--------------------|---------------------|---------------------------------------|-------------------|--------------------------|
| 15A | SNSHB | 1S | 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 | | |

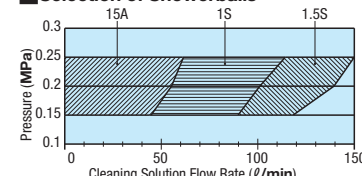
For tank diameter applicable to cleansing at 0.2MPa: Tank Diameter mxm25ℓ/min For orders larger than indicated quantity, please check with WOS.



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

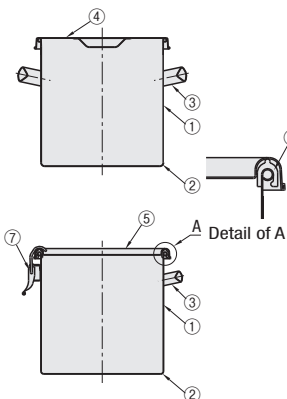
- ① Effective Capacity: 2.0 ~ 45.8ℓ
 - ② Material: SUS304
 - ③ Finish: Buffing on inner and outer surface polishing grade #320 (* Note)
- (* Note) Buff Polish Grade: (a) #240: Coarse Buff Polish. High level of brightness or luster is not provided. (b) #320: Standard Buff Polish. Our product is provided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

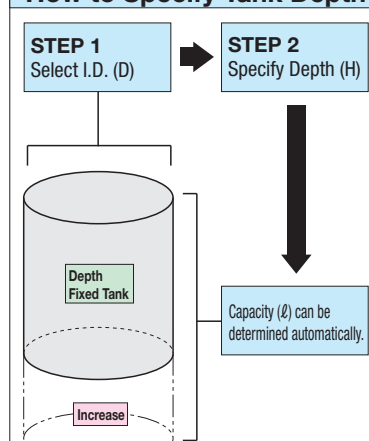
| Chemical Solution | SUS304 | Chemical Solution | SUS304 | Chemical Solution | Silicone | Chemical Solution | Silicone |
|---------------------------|--------|---------------------------|--------|-------------------------------------|----------|-------------------|----------|
| Alcohol | ○ | Bicarbonate 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 | × | | | | |



Parts and Materials

| No. | Part Name | Material | Qty. |
|-----|------------------------|----------------|------|
| ① | Shell Plate | SUS304 | 1 |
| ② | Base Plate | SUS304 | 1 |
| ③ | Carrying Handle | SUS304 | 2 |
| ④ | Standard Lid | SUS304 | 1 |
| ⑤ | Sealing Lid | SUS304 | 1 |
| ⑥ | Gasket for Sealing Lid | Silicon Rubber | 1 |
| ⑦ | Clip | SUS304 | 3 |

How to Specify Tank Depth



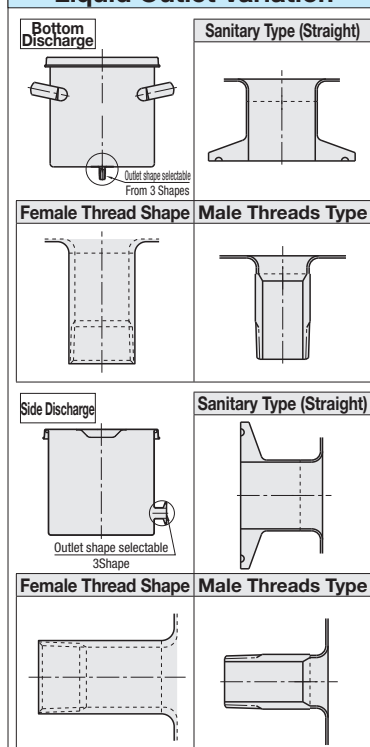
Point

- ① I.D. selectable from 6 sizes
- ② Depth Configurable: Selectable from a depth range from 90 to 450mm

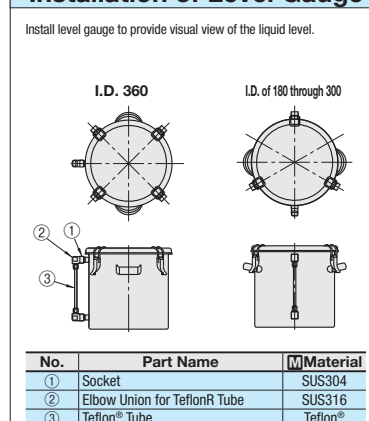
Ex.) Tanks with full capacity of 5ℓ, with 3 different I.D.

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

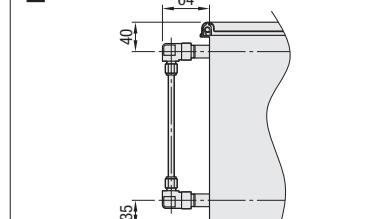
Liquid Outlet Variation



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.

Ordering Example: Part Number - Pressure Range
SNSGR1S - 1.0
SNPRG2S
SNSHB1S