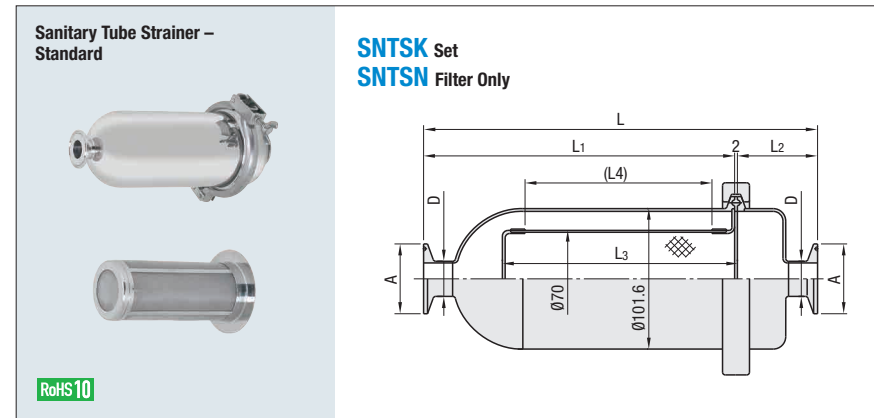


Sanitary Tube Strainers

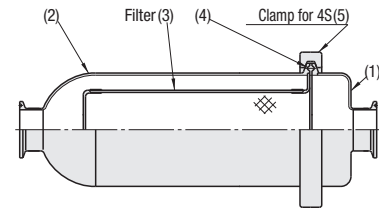
Standard / L-Shaped



Part Number	Mesh Roughness	A	D	L	L ₁	L ₂	L ₃	(L ₄)	
SNTSK SNTSN	1S	40 / 60 / 80 / 100 / 200	50.5	25.4	285	225	58	170	138.5
	1.5S		50.5	38.1	320	260	58	205	173.5
	2S		64	50.8	350	290	58	235	203.5

ⓘ As the mesh number gets larger, mesh becomes finer.

Parts View

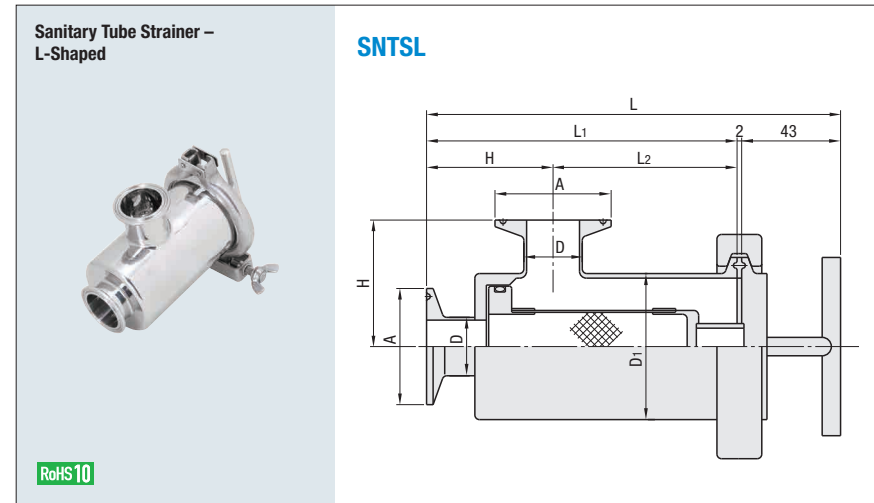


Parts & Materials

Part No.	Name of Parts	Material
(1)	Upper Lid	304 Stainless Steel
(2)	Body Case	304 Stainless Steel
(3)	Filter	304 Stainless Steel
(4)	Gasket	EPDM Synthetic Rubber
(5)	Clamp	304 Stainless Steel

Features

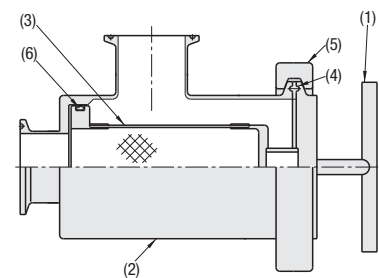
Connects in-line with plumbing to filter foreign objects.



Part Number	Mesh Roughness	A	D	D ₁	L	L ₁	L ₂	H	
SNTSL	1S	40 / 60 / 80 / 100 / 200	50.5	25.4	63.5	180	135	80	55
	1.5S		50.5	38.1	76.3	190	145	75	70
	2S		64	50.8	101.6	205	160	78	82

ⓘ As the mesh number gets larger, mesh becomes finer.

Parts View



Parts & Materials

Part No.	Name of Parts	Material
(1)	Upper Lid	304 Stainless Steel
(2)	Body Case	304 Stainless Steel
(3)	Filter	304 Stainless Steel
(4)	Gasket	EPDM Synthetic Rubber
(5)	Clamp	304 Stainless Steel
(6)	O-Ring	EPDM Synthetic Rubber

Features

Easy to swap into existing elbow plumbing as its connection diameter is same as that of double ferrules elbow (P.3431 SNBE).

Part Number Example	Mesh Roughness
SNTSK1S	40
SNTSL2S	100

Mesh Roughness

Roughness	Sieve Mesh Size	Weave	Filament Diameter	
			Vertical	Horizontal
40	0.415 mm	Plain Weave	∅0.22	∅0.22
80	0.198 mm	Plain Weave	∅0.14	∅0.14
100	0.154 mm	Plain Weave	∅0.1	∅0.1
200	0.077 mm	Plain Weave	∅0.05	∅0.05

Open Tanks

Overview

Features

- Open-top tank is suitable for storage or mixing of liquids (powders). Selectable from a wide capacity range from 2.0 to 45.8ℓ.
- By specifying inner diameter and desired depth, overall length (capacity) is automatically determined (refer to “How to Specify Tank Capacity” below).
- Choose between four outlet shapes (see “Shapes of Liquid Outlets” below for details) and two types of covers, according to the application.
- Position of the tank can be adjustable by specifying the length of welded feet in 10 mm increment.

Product Overview

- (1) Effective Capacity: 2.0–45.8ℓ
 - (2) Material: 304 Stainless Steel
 - (3) Finish: Buffing on inner and outer surface Polishing grade 320 (* Note)
- (*Note) Buff Polishing Grade: (a) 240–Rough Buffing 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 (Atmosphere Pressure)
- (2) 304 Stainless Steel Chemical Resistance (See Table 1 to the right for details)
- (3) Gasket for Sealing Cover (For physical properties and chemical resistance, see P.3526)
(See Table 2 below for oil and solvent resistance)
Confirm (1) – (3) above before use.

Table 1: Gasket for Sealing Cover Oil Resistance & Solvent Resistance

Chemical Solution	Silicon	Chemical Solution	Silicon
Gasoline, Light Oil	Acceptable	Trichloroethylene	Poor
Benzene, Toluene	Poor	Methyl Alcohol	Good
Animal and Vegetable Oil	—	Methylethylketone	Poor
Diester Lubricating Oil	—	Ethyl Acetate	Poor
Phosphate-chlorinated Hydraulic Oil	Acceptable	Ether	Poor

ⓘ 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.

Table 2: Stainless Steel Chemical Resistance Chart

Chemical Solution	304 Stainless Steel	Chemical Solution	304 Stainless Steel
Alcohol	Good	Bicarbonate Soda	Good
Ether	Good	Lactic Acid (5%, boiled)	Acceptable
Ammonia Water	Good	Lactic Acid (10%, boiled)	Poor
Butyric Acid	Good	Sulfuric Acid (5%)	Acceptable
Salt (Dry)	Good	Sulfuric Acid (50%)	Poor
Vinegar	Good	Chlorine water (Humid)	Poor
Dilute Nitric Acid	Good	Chlorine water	Poor
Concentrated Nitric Acid	Poor	Hydrochloric Acid	Poor
Acetic Anhydride	Good	Ferric Chloride	Poor
Acetic Anhydride (Boiled)	Poor	Bromine	Poor

How to Specify Tank Depth

SETP 1 - Select Inner Diameter (D) → SETP 2 - Specify depth (H)

Capacity (ℓ) can be determined automatically.

Point

- (1) Outer Diameter: Selectable from 6 sizes
- (2) Capacity Configurable: Selectable from a depth range from 90 to 450 mm

A variety of tank shapes is possible by the combination of (1) & (2).

Ex.) Tanks with full capacity of 5ℓ, with 3 different inner diameters

Inner Diameter (D)	Depth (H)	Features	
		Vertical	Horizontal
180	200	Slim & Deep Tanks	
210	150	Medium-Sized Tanks	
240	115	Thick & Shallow Tanks	

Liquid Outlet Variation

Outlet shape selectable From below 4 types

Sanitary Type (Straight)	Sanitary Type (L-Shaped)
Sanitary Type (T-Shaped)	External Threads Type

Point

- (1) Sanitary type is selectable between three shapes; Straight, L-Shape and T-Shape.
- (2) Male Thread type is selectable from R(PT) 1/8, 1 and 3/8.

Structure Diagram

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 Cover	304 Stainless Steel	1
(5)	Sealing Cover	304 Stainless Steel	1
(6)	Gasket for Sealing Cover	Silicon Rubber	1
(7)	Clip	304 Stainless Steel	3

CAUTION – Use under Atmosphere pressure. Never use for compressing.
– Never use as a container to generate vapor by steaming, heating or chemical reaction.