Covers / Gasket for Sealable Lids / Stands for Open-Top Tanks

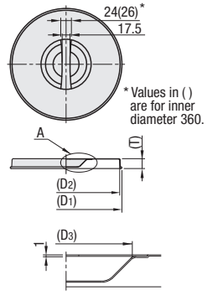
Outlet Shape Selectable Type

Cover for Open-Top Tanks

RoHS 10

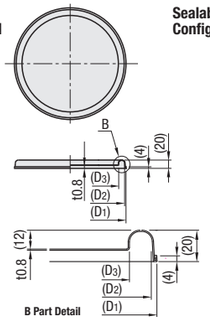
Type			Material	Normal Operating Pressure
For Standard	Sealable			
	Standard	Outlet Config. Selectable		
TANCV	TANCVM	TANCVS	304 Stainless Steel	Atmosphere Pressure

Standard Type



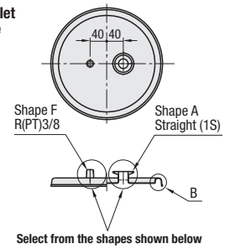
A Part Detail

Sealable Standard



B Part Detail

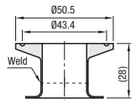
Sealable Outlet Configurable



Select from the shapes shown below

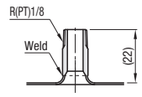
Sanitary Inlet Shapes

Shape A: Straight (1S)

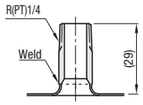


Threaded Inlet Shapes

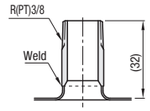
Shape D: R (PT) 1/8



Shape E: R (PT) 1/4



Shape F: R (PT) 3/8



Lids for Standard Open-Top Tanks

Part Number Type	Part Number Tank Inner Dia (D)	(D_1)	(D_2)	(D_3)	(T)
TANCV	180	207	197	92	22
	210	236	226		
	240	267	257		
	270	296	286		
	300	330	320		25
	360	390	380	109	

Part Number Example

Part Number - For Inlet Shape Selectable Type

TANCV180 -
TANCVS210 - A - A

Lids for Sealable Open-Top Tanks

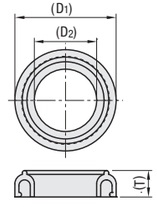
Part Number Type	Part Number Tank Inner Dia (D)	Inlet Shape ! TANCVS Only	(D_1)	(D_2)	(D_3)
Standard TANCVM Outlet Config. Selectable TANCVS	180	A D E F	206	198	175
	210		234	227	202
	240		269	262	234
	270		297	290	260
	300		330	323	291
	360		390	382	352

! When ordering Outlet Config. Selectable Sealable Open-Top Tanks, choose TANCVS, which is for liquid discharging under airtight condition.

Gasket for Sealable Lids

RoHS 10

TANSEL

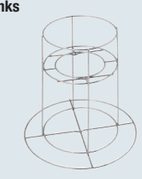


Material: Silicon Rubber

Part Number Type	Part Number Tank Inner Dia (D)	(D_1)	(D_2)	(T)
Seal TANSEL	180	195	177	13
	210	226	205	16
	240	260	235	17
	270	288	266	17
	300	321	296	17
	360	380	358	16

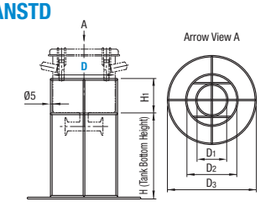
! Features of Silicon Rubber **P.2567**. ! Features of Gasket for Sealing Cover **P.3441**.

Stands for Open-Top Tanks



RoHS 10

TANSTD



Material: 304 Stainless Steel

Part Number Type	Part Number Tank Inner Dia (D)	H	D_1	D_2	D_3	H_1
Stand TANSTD	180	250	120	195	330	100
	210		150	225	350	120
	240		180	255	370	140

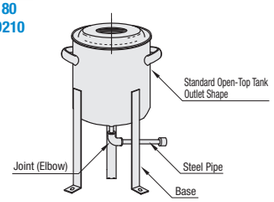
! D_1 fits any of the outlet shapes of the Selectable Type.

Part Number Example

Part Number

TANCV180
TANSTD210

Application Example



MiSUMi

Pressure Tanks

Overview

Features

(1) Pressure tanks are suitable for liquid pumping and vacuum defoaming.
(2) There are three options for capacity and tank shape.
(3) Number of holes on rid (0, 3–5) and hole size (Rc (PT) 1/8 – 3/8) are selectable.
(4) Level gauge and float switch can be mounted as alteration.

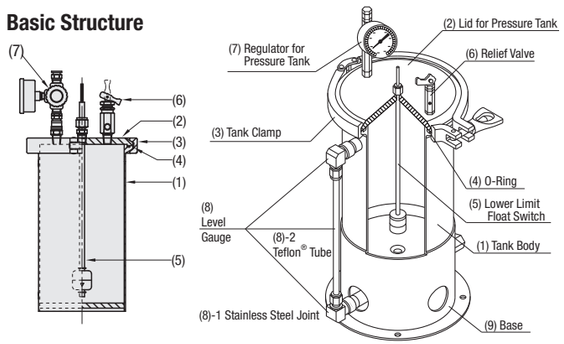
Product Overview

(1) Capacity: 1–22.5 ℓ
(2) Material: 304 Stainless Steel
(3) Finish: Buffing on inner and outer surface Polishing grade 400
(*Note) Buff Polish Grade:
(a) 240 – Coarse Buff Polish. High level of brightness or luster is not provided.
(b) 320 – Standard Buff Polish
(c) 400 – Fine Buff Polish Our product is provided with this type of polish.

Condition of Use

(1) Operating Pressure Range: 0.5 Mpa or lower
(2) Chemical Resistance: See Table 1 to the right for details.
(3) O-Ring: Physical Characteristics, Chemical Resistance **P.3448**.
Oil Resistance – Solvent Resistance: See Table 2

Basic Structure



Alteration: Pressure Tanks with Safety Function

Feature

(1) Safety Cover: Lifting the cover discharges the pressure, preventing inadvertent operation.
(2) Support Angles: Prevent the tank from falling after detachment, improving safety.
(3) Clamp Locating Tang: Use the tang to position the clamp in order to improve repeatability.

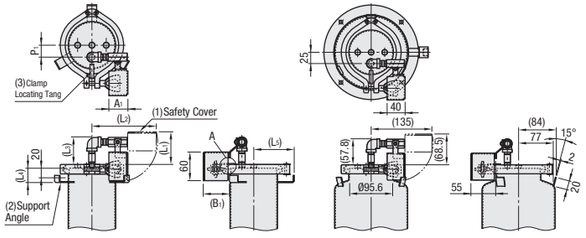


Table 1: Stainless Steel Chemical Resistance Chart

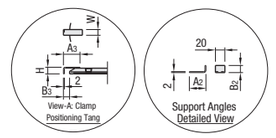
Chemical Solution	304 Stainless Steel	Chemical Solution	304 Stainless Steel
Alcohol	Good	Bicarbonate Soda	Good
Ether	Good	Lactic Acid (5%, Boiled)	Acceptable
Ammonia Water	Good	Lactic Acid (10%, Boiled)	Poor
Butyric Acid	Good	Sulfuric Acid (5%)	Acceptable
Salt (Dry)	Good	Sulfuric Acid (50%)	Poor
Vinegar	Good	Chlorine Gas (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

Table 2: Stainless Steel Chemical Resistance Chart

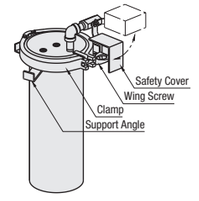
Chemical Solution	Nitrile	Fluorine	Chemical Solution	Nitrile	Fluorine
Gasoline, Light Oil	Excellent	Excellent	Trichloroethylene	Acceptable	Excellent
Benzene, Toluene	Acceptable	Excellent	Methyl Alcohol	—	Acceptable
Animal and Vegetable Oil	Excellent	Excellent	Methylethylketone	Poor	Poor
Diester Lubricating Oil	Poor	Good	Ethyl Acetate	Poor	Poor
Phosphate-Chlorinated Hydraulic Oil	Poor	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.

Part No.	Name of Parts	Purpose
(1)	Tank Body	Container for liquid
(2)	Lid for Pressure Tank	Applies pressure and prevents contamination
(3)	Tank Clamp	Fix body and lid
(4)	O-Ring	Seal for body and lid
(5)	Lower Limit Float Switch	Activates an alarm when the liquid level drops to low limit
(6)	Relief Valve	Releases pressure
(7)	Regulator for Pressure Tank	Controls pressure within tank
(8)	Level Gauge ((8)-1 Stainless Steel Joint)	Provides visual view of the liquid level
	Level Gauge ((8)-2 Teflon® Tube)	
(9)	Base	Secures tank body



Application Example



Type	Provided Effective Capacity Depth H	(1) Safety Cover A_1	(1) Safety Cover B_1	(2) Support Angle A_2	(2) Support Angle B_2	(3) Clamp Locating Tang A_3	(3) Clamp Locating Tang B_3	(3) Clamp Locating Tang H	(3) Clamp Locating Tang W	(L_1)	(L_2)	(L_3)	(L_4)	(L_5)	P_1
TNKA__ (P.3451)	1.6	40	55	35	15	30	10	10	8	68.5	133.9	57.8	30	84	25
	2.2					35	13		10					90	30
	3.1	55	70	50	20	37		14	12	77	140	67.8	40	103	40
	4.4						16				145			131	60
	11					40			16		150		50	158	85
TNKB__ (P.3452)	1	40	55	35	15	30	10	10	8	68.5	133.9	578.8	30	84	25
	2.9	55	70	50	20	37	13	14	12	77	140	67.8	40	103	40
	4.7						16				145			131	60
	10					40			16		150		50	156	85
TNKC__ (P.3453)	4–22.5	—	—	—	—	30	10	10	8	—					

CAUTION

Precautions for Use
(1) Pressure tanks featured in this catalog are not classified as first-class or second-class pressure vessels.
(2) Please use in the operational conditions above. When applying pressure, use pressure gauge, relief valve and safety regulator for your safety.
(3) When the internal pressure is high, never loosen clamps etc., that tighten lid and nozzle.
(4) Never use as a container to generate vapor by steaming, heating or as a result of chemical reaction.

CAUTION

Handling Instruction
(1) O-ring is used in the lid of this product. When closing the lid, please make sure the O-ring is securely fit into the groove on tank body.
(2) Tighten the clamp by hand, then use a wrench to secure the clamp an extra half revolution or so.
(3) Maximum operating pressure of the tank is 0.5 Mpa or less. Do not operate beyond the maximum pressure. Pressure relief valves are recommended when using tanks in compression mode.
(4) When loosening clamps, be sure to release the internal pressure by a relief valve etc. into the room condition. Also, confirm that the pressure gauge (regulator) indicates room pressure.