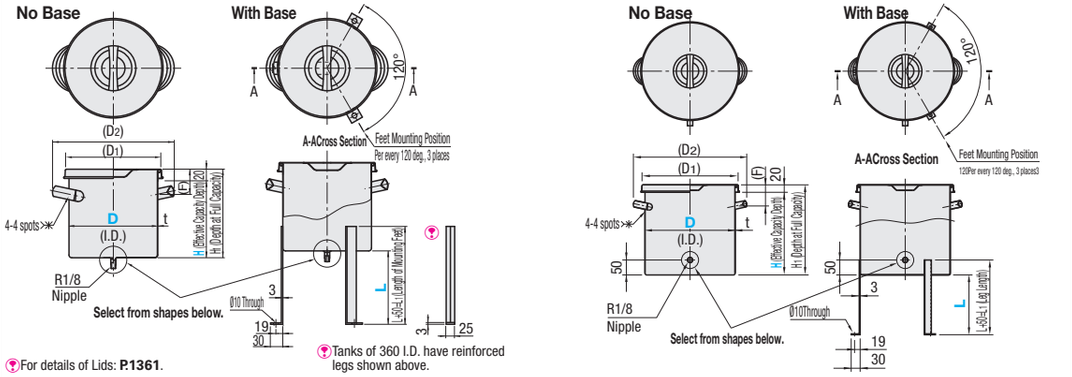
Standard Open-Top Tanks - Outlet Config. Selectable

Bottom Discharge / Side Discharge


Sanitary Shape	Male Thread	Female Thread
		

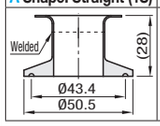
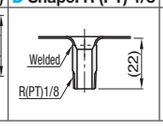
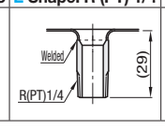
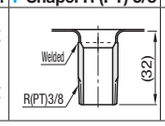
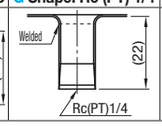
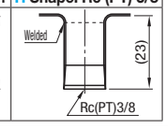
RoHS

Type	Type				Material					Surface Finish	Normal Operating Pressure
	Bottom Discharge		Side Discharge		Main Body	Carrying Handle	Lid	Base	Clip		
	Depth Fixed	Depth Configurable	Depth Fixed	Depth Configurable							
No Base	TANS	TANSF	TANY	TANYF	SUS304					Buffed (main body only) Inner & Outer Surface: #320 Except weld bead portion on liquid outlet (joint portion)	Atmospheric Pressure
With Base	TANSA	TANSAF	TANYA	TANYAF							



For details of Lids: **P.1361**.

Tanks of 360 I.D. have reinforced legs shown above.

Sanitary Outlet Shape	Male Thread Outlet Shape			Female Thread Outlet Shape	
A Shape: Straight (1S)	D Shape: R (PT) 1/8	E Shape: R (PT) 1/4	F Shape: R (PT) 3/8	G Shape: Rc (PT) 1/4	H Shape: Rc (PT) 3/8
					

Part Number			Provided Effective Capacity Depth (H)		Tank Bottom Height (L) 10mm Increment For "With Base Type" only	Outlet Config. Selectable		Effective Capacity Fixed (ℓ)		t	H1	(D1)	(D2)	(F)	Weight (kg)
Type		I.D. (D)	Fixed	Specify in 10mm Increment For "Depth Configurable Type" only		Bottom Discharge	Side Discharge	Effective Capacity	At Full Capacity Water						Depth Fixed
Bottom Discharge / Depth Fixed	No Base TANS	180	160	100~300	100~300	A D E F G H	A D E F G H	4.1	4.6	0.7	H+20	207	249	55	0.9
Side Discharge / Depth Fixed	With Base TANSA	210	190	100~300				6.6	7.3			236	282		1
Bottom Discharge / Depth Configurable	No Base TANSF	240	220	100~350				9.9	10.9			267	315		1.2
Side Discharge / Depth Configurable	With Base TANSAF	270	250	100~350				14.3	15.5	0.8		296	350		1.8
Bottom Discharge / Depth Fixed	No Base TANY	300	280	100~400				19.8	21.2			330	380	70	2.2
Side Discharge / Depth Fixed	With Base TANYA	360	340	100~450				34.6	36.6	0.9		390	469		3.6
Bottom Discharge / Depth Configurable	No Base TANYF														
Side Discharge / Depth Configurable	With Base TANYAF														

Effective Capacity (ℓ)=Radius (D/2)xRadius (D/2)x3.14xDepth at Effective Capacity (H)/1000000 (converted to capacity).

Full capacity level is a theoretical value that is obtained by calculation (base area x H1 depth). Use within the effective H depth (up to -20mm from upper surface).

I.D. (D)	Body Price 1 ~ 3 pc(s).					
	Depth Fixed	Depth Configurable		Shape Charge		
		Unit Price Depth at Effective Capacity (H) (H=100 ~ 140)	Additional Depth (H) Unit Price /50mm*	A	D~F	G~H
180						
210						
240						
270						
300						
360						

The price of With Base Type is Body Price + Shape Charge shown above plus Base Price indicated on the right.

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

Base Price 1 ~ 3 pc(s).		
Tank Bottom Height (L)	Leg Length (L1)	Base Price
100~200	L+50	
210~300		
I.D. 360		

Has reinforced legs. (For details, refer to CAD data.)

<Price Calculation Example>	Ex. 1 TANS300-A	Ex. 2 TANSAF240-270-L220-F
Unit Price of Tank Body (H=100 ~ 140)		
Additional Depth (H) Unit Price	-	
Additional Depth Price Multiplier*	-	
Shape Charge		
Base Price	-	
Total Price		

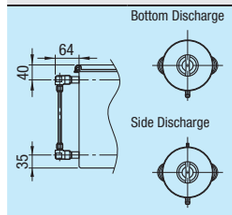
* Additional Depth Price Multiplier: Additional Depth (H)100 is the standard. When Additional Depth (H) is 100, Price Multiplier is 0. Round up to nearest number: Ex. 150 ~ 190→1, 200 ~ 240→2, 450→7

Ordering Example

Part Number	-	Effective Depth	-	Tank Bottom Height	-	Outlet Config. Selectable
TANS210					-	A
TANSA240			-	L250	-	E
TANSAF180	-	300	-	L200	-	H

Alterations

Part Number	-	Effective Depth	-	Tank Bottom Height	-	Outlet Config. Selectable	-	(LG)
TANS210					-	A	-	LG
TANSAF180	-	300	-	L200	-	H	-	LG

Alteration	Code	Spec.
	LG	Install level gauge to provide visual view of the liquid level. For details of features and dimensions, see overview page. Level Gauges with effective H depth of 220 or above are configurable.

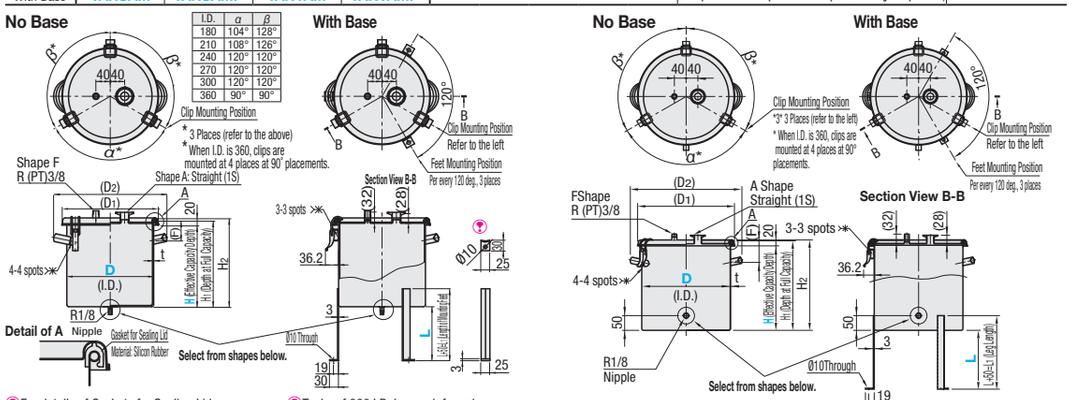
Sealable Open-Top Tanks - Outlet Config. Selectable

Bottom Discharge / Side Discharge


Sanitary Shape	Male Thread	Female Thread
		

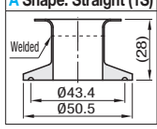
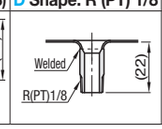
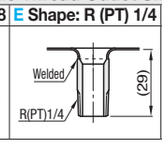
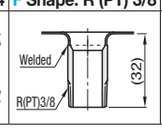
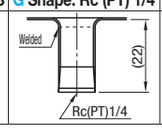
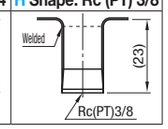
RoHS

Type	Type				Material					Surface Finish	Normal Operating Pressure
	Bottom Discharge		Side Discharge		Main Body	Carrying Handle	Lid	Base	Clip		
	Depth Fixed	Depth Configurable	Depth Fixed	Depth Configurable							
No Base	TANSM	TANSMF	TANYM	TANYMF	SUS304					Buffed (main body only) Inner & Outer Surface: #320 Except weld bead portion on liquid outlet (joint portion)	Atmospheric Pressure
With Base	TANSAM	TANSAMF	TANYAM	TANYAMF							



For details of Gaskets for Sealing Lids, see **P.1361**.

Tanks of 360 I.D. have reinforced legs shown above.

Sanitary Outlet Shape	Male Thread Outlet Shape			Female Thread Outlet Shape	
A Shape: Straight (1S)	D Shape: R (PT) 1/8	E Shape: R (PT) 1/4	F Shape: R (PT) 3/8	G Shape: Rc (PT) 1/4	H Shape: Rc (PT) 3/8
					

Part Number			Provided Effective Capacity Depth (H)		Tank Bottom Height (L) 10mm Increment For "With Base Type" only	Outlet Config. Selectable		Effective Capacity Fixed (ℓ)		t	H1	(H2)	(D1)	(D2)	(F)	Weight (kg)
Type		I.D. (D)	Fixed	Specify in 10mm Increment For "Depth Configurable Type" only		Bottom Discharge	Side Discharge	Effective Capacity	At Full Capacity Water							Depth Fixed
Bottom Discharge / Depth Fixed	No Base TANSM	180	160	100~300	100~300	A	A	4.1	4.6	0.7	H+20	H1+4	206	249	55	1.3
Side Discharge / Depth Fixed	With Base TANSAM	210	190	100~300		D	D	6.6	7.3			H1+6	234	282		1.6
Bottom Discharge / Depth Configurable	No Base TANSMF	240	220	100~350		E	E	9.9	10.9			H1+7	269	315		2
Side Discharge / Depth Configurable	With Base TANSAMF	270	250	100~350		F	F	14.3	15.5	0.8		H1+6	297	350		2.7
Bottom Discharge / Depth Fixed	No Base TANYM	300	280	100~400		G	G	19.8	21.2			H1+6	330	380	70	3.2
Side Discharge / Depth Fixed	With Base TANYAM	360	340	100~450		H	H	34.6	36.6	0.9		H1+6	390	469		5
Bottom Discharge / Depth Configurable	No Base TANYMF															
Side Discharge / Depth Configurable	With Base TANYAMF															

Effective Capacity (ℓ)=Radius (D/2)xRadius (D/2)x3.14xDepth at Effective Capacity (H)/1000000 (converted to capacity).

Full capacity level is a theoretical value that is obtained by calculation (base area x H1 depth). Use within the effective H depth (up to -20mm from upper surface).

I.D. (D)	Body Price 1 ~ 3 pc(s).					
	Depth Fixed	Depth Configurable		Shape Charge		
		Unit Price Depth at Effective Capacity (H)(H=100 ~ 140)	Additional Depth (H) Unit Price /50mm*	A	D~F	G~H
180						
210						
240						
270						
300						
360						

The price of With Base Type is Body Price + Shape Charge shown above plus Base Price indicated on the right.

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

Base Price 1 ~ 3 pc(s).		
Tank Bottom Height (L)	Leg Length (L1)	Base Price
100~200	L+50	
210~300		
I.D. 360		

Has reinforced legs. (For details, refer to CAD data.)

<Price Calculation Example>	Ex. 1 TANSM240-A	Ex. 2 TANSAMF240-270-L220-F
Unit Price of Tank Body (H=100 ~ 140)		
Additional Depth (H) Unit Price	-	
Additional Depth Price Multiplier*	-	3
Shape Charge		
Base Price	-	
Total Price		

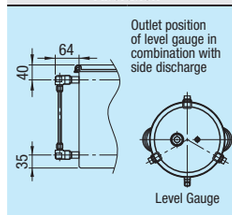
* Additional Depth Price Multiplier: Additional Depth (H)100 is the standard. When Additional Depth (H) is 100, Price Multiplier is 0. Round up to nearest number: Ex. 150 ~ 190→1, 200 ~ 240→2, 450→7

Ordering Example

Part Number	-	Effective Depth	-	Tank Bottom Height	-	Outlet Config. Selectable
TANSM210					-	A
TANSAM240			-	L250	-	E
TANSAMF180	-	300		L200	-	H

Alterations

Part Number	-	Effective Depth	-	Tank Bottom Height	-	Outlet Config. Selectable	-	(LG)
TANSM210					-	A	-	LG
TANSAMY180	-	300	-	L200	-	H	-	LG

Alteration	Code	Spec.
	LG	Install level gauge to provide visual view of the liquid level. For details of features and dimensions, see overview page. The outlet position of level gauge is turned 180° when used in combination with Side Discharge Type. Level Gauges with effective H depth of 220 or above are configurable.

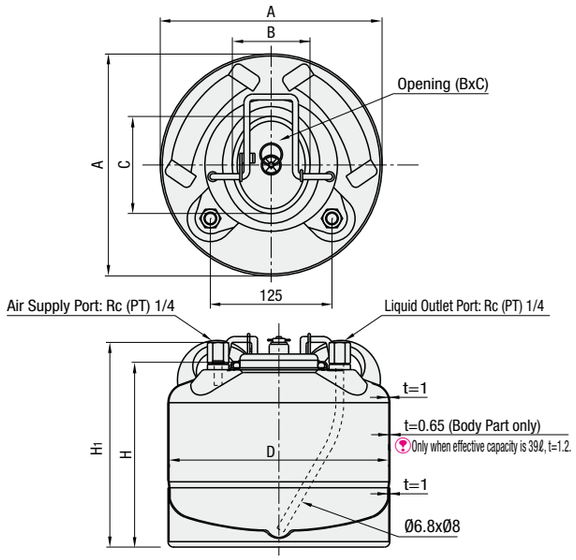
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

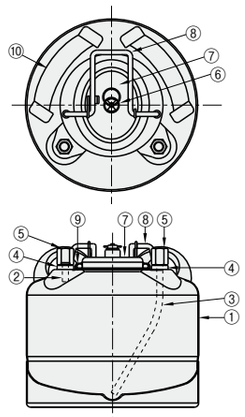
Pressure Tanks
Simplified Type



RoHS

Type	Material O-Ring	Material Others	Surface Finish	Normal Operating Pressure
TNKD	Nitrile Rubber	Refer to "Component List"	Inner Surface-Deoxidized Outer Surface-Hairline	0.49MPa or lower
TNKDF	Fluororubber			





■Component List

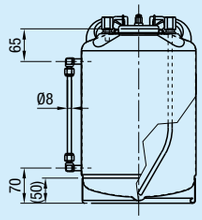
Part No.	Part Name	Material
①	Pressure Tank Body	SUS304
②	Pressure Air Pipe	SUS304
③	Suction Pipe	SUS304
④	O-Ring	Nitrile Rubber
⑤	Hex Reducing Socket	SUS304
⑥	Relief Valve	SUS304
⑦	Lid for Pressure Tank	SUS304
⑧	Handle for Locking Lid	SUS304
⑨	O-Ring	Nitrile Rubber / Fluororubber
⑩	Carrying Handle	SUS304

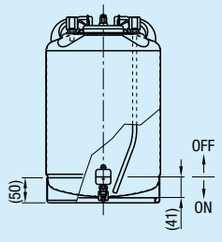
Feature of Nitrile Rubber / Fluororubber **P.391**
OFeature of O-Ring:**P.1362**

Part Number Type	Effective Capacity (ℓ)	At Full Capacity (ℓ)	I.D. D	Effective Capacity Depth H	H_1	A	B	C	Weight (kg)	Unit Price Qty. 1 ~ 3
TNKD TNKDF	5	5.2	226.7	192	210	228	81	97	2	
	10	10.3		347	365				2.5	
	20	20.5		580	598				3.8	
	39	39.0	312.6	598	621	315			7.4	

Ordering Example — Part Number: TNKD5

Alterations — Part Number - (LG, FS): TNKD20 - LG-FS

Alterations	Code	Spec.
Installation of Level Gauge 	LG	Install level gauge to provide visual view of the liquid level. Install level gauge at a position of 65mm from upper surface and 70mm from the bottom outside of the tank. ⊗TNKD5 and TNKDF5 are not applicable. For details of materials and others, see **P.1362**.

Alterations	Code	Spec.
Low Level Float Switch Installation 	FS	Install a switch to operate as alarm or signal of level of liquids such as water and oil. Switch will be turned on at a position of 41mm or lower from bottom of the tank. For details of Low Level Float Switches, see **P.1372**.

Pressure Tanks - Standard
Number of Holes Fixed/Selectable

■**Features:** Standard pressure tank (1.6 ~ 11ℓ) to compress liquid and force feed. Can be used for vacuum de-foaming (decompression). Float switch is available as an alteration.



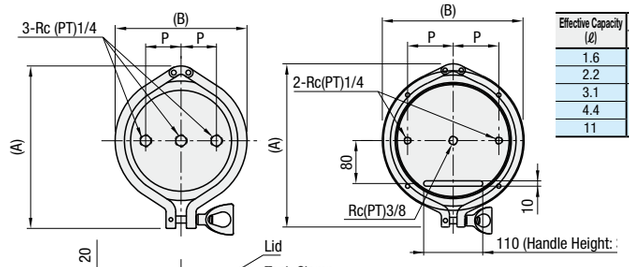
RoHS

Type: Number of Holes Fixed	Type: Number of Holes Selectable Type	Material: Main Body	Material: Clamp	Material: Lid	Material: O-Ring	Surface Finish	Normal Operating Pressure
TNKA	TNKAH	SUS304			Nitrile Rubber	Buffed (main body only) Inner & Outer Surface: 400 Equivalent Except weld bead portion on I.D.	0.5MPa or Lower
TNKAF	TNKAFH				Fluororubber		

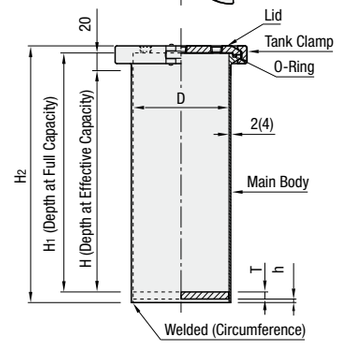
Feature of Nitrile Rubber / Fluororubber **P.391** OFeature of O-Ring:**P.1362**

Effective Capacity (ℓ)	Weight (kg) Main Body	Lid	Tank Clamp
1.6	1.96	0.62	0.42
2.2	2.45	0.8	0.75
3.1	3.13	1.42	0.95
4.4	3.77	2.18	1.05
11	11.35	3.45	2.2

■Number of Holes Fixed Type: 3 Holes (4.4ℓ or less) 3 Holes (11ℓ)

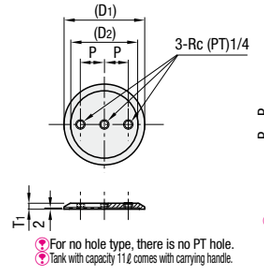


Effective Capacity (ℓ)	Lid & Clamp T1	(D1)	(D2)	P	(A)	(B)
1.6	10	120	103	30	166	133
2.2		135	118		184	149
3.1	12	160	143	40	213	174
4.4		190	166		246	204
11		244	216	85	302	258



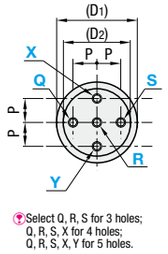
Values in ( ) are for effective capacity 11ℓ.

■Lid (Number of Holes Fixed) 3 Holes



For no hole type, there is no PT hole.
Tank with capacity 11ℓ comes with carrying handle.

■Lid (Number of Holes Selectable Type) 3 ~ 5 Holes



Select Q, R, S for 3 holes;
Q, R, S, X for 4 holes;
Q, R, S, X, Y for 5 holes.

For detailed clamp dimensions, see **P.1371**.
Please read "Precautions for Use" and "Operating Instruction" on **P.1362** before use.

Part Number Type	Effective Capacity (ℓ)	Number of Hole Selection for Fixed Type	For "Number of Holes Selectable Type" only: Number of Holes	* Rc (PT) Selection Q, R, S, X, Y	At Full Capacity (ℓ)	I.D. D	Effective Capacity Depth H	At Full Capacity Depth H_1	H_2	T	h	O-Ring Size	Unit Price 1 ~ 3 pc(s). Number of Holes Fixed: Qty. 0	Number of Holes Selectable Type: Qty. 3	Qty. 3	Qty. 4	Qty. 5
Number of Holes Fixed Type TNKA (O-Ring: Nitrile Rubber) Number of Holes Selectable Type TNKAH	1.6	0	3	1(1/8)	1.7	95.6	230	250	270	8	4	G105					
	2.2				2.4	108.3	250	270	290			G120					
	3.1	3	4	2(1/4)	3.4	133	230	250	273			G145					
TNKAF (O-Ring: Fluororubber) TNKAFH	4.4		5	3(3/8)	4.8	158.4	230	250	275	10	5	G170					
	11				11.8	208.3	330	350	377	12		G220					

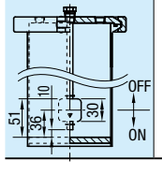
To specify * marked Q, R, S, X and Y, use the numbers in front of ( ): 1, 2, 3.
Full capacity level is a theoretical value that is obtained by calculation (base area x H_1 depth). Use within the effective H depth (up to -20mm from upper surface).
<Reference> Effective Capacity (ℓ)≈ Radius cm (D/2/10) x Radius cm (D/2/10) x3.14x Depth at Effective Capacity cm (H/10)/ 1000 (At full capacity, H_1 is used as H)

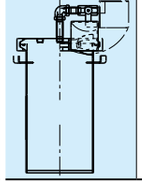
Ordering Example — Part Number - Number of Holes - Q - R - S - X - Y

Number of Holes Fixed Type: 3 Holes: TNKA2.2 - 3
Number of Holes Selectable Type: 3 Holes: TNKAH3.1 - 3 - Q2 - R3 - S3
Number of Holes Selectable Type: 5 Holes: TNKAH4.4 - 5 - Q1 - R2 - S3 - X2 - Y2

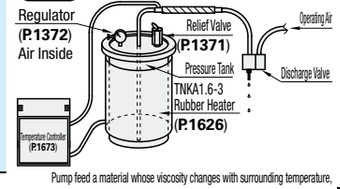
For Number of Holes Selectable Type, choose between Q ~ Y according to the number of holes. Specify up to S for 3 holes, up to Y for 5 holes.

Alterations — Part Number - Number of Holes - Q - R - S - X - Y - (FS, AN)
TNKAH2.2 - 4 - Q2 - R2 - S3 - X3 - - FS
TNKAF3.1 - 3 - - AN

Alterations	Code	Spec.
Low Level Float Switch Installation 	FS	Install a switch to operate as alarm or signal of level of liquids such as water and oil. Stem tip will be suspended at 10mm from bottom of Tanks. For details of Low Level Float Switches, see **P.1372**.

Alterations	Code	Spec.
Safety Function Type 	AN	Install Safety Cover and Support Angle. For details of features and dimensions, see overview page.**P.1362** Applicable only to Number of Hole Fixed Type.

Example



Pump feed a material whose viscosity changes with surrounding temperature, while maintaining the viscosity constant by controlling the temperature.

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

Pressure Tanks with Base - Wide Mouth

Number of Holes Fixed/Selectable

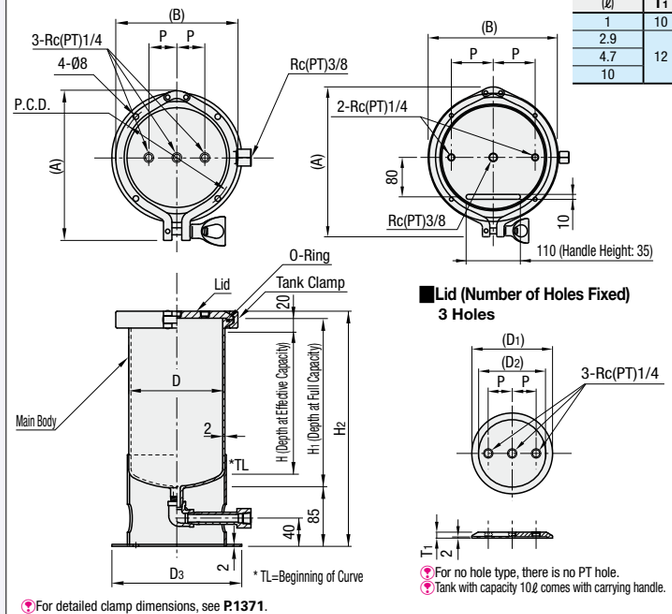
Features: Wide opening design for easy cleaning. Excels in liquid discharging and little liquid remains when the tank is emptied. Excels in liquid discharging and little liquid remains when the tank is emptied (Capacity: 1 ~ 10ℓ)

Type		Material				Surface Finish	Normal Operating Pressure
Number of Holes Fixed	Number of Holes Selectable Type	Main Body	Clamp	Lid	O-Ring		
TNKB	TNKBH	SUS304			Nitrile Rubber	Buffed (main body only) Inner & Outer Surface: #400 Equivalent Except weld bead portion on I.D.	0.5MPa or Lower
TNKBF	TNKBFH				Fluororubber		

Feature of Nitrile Rubber / Fluororubber **P.391** OFeature of O-Ring:**P.1362**

Effective Capacity (ℓ)	Weight (kg)		
	Main Body	Lid	Tank Clamp
1	1.46	0.62	0.42
2.9	2.63	1.42	0.95
4.7	3.27	2.18	1.05
10	5.35	3.45	2.2

Number of Holes Fixed Type: 3 Holes (4.7ℓor less)　3 Holes (10ℓ)

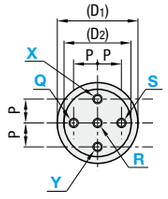


Effective Capacity (ℓ)	Lid & Clamp					
	T1	(D1)	(D2)	P	(A)	(B)
1	10	120	103	30	166	133
2.9	12	160	143	40	213	174
4.7		190	166		246	204
10		244	216	85	302	258

Lid (Number of Holes Fixed) 3 Holes

For no hole type, there is no PT hole.
Tank with capacity 10ℓ comes with carrying handle.

Lid (Number of Holes Selectable Type) 3 ~ 5 Holes



Select Q, R, S for 3 holes;
Q, R, S, X for 4 holes;
Q, R, S, X, Y for 5 holes.

For detailed clamp dimensions, see **P.1371**.
Please read "Precautions for Use" and "Operating Instruction" on **P.1362** before use.

Part Number Type	Effective Capacity (ℓ)	Number of Hole Selection for Fixed Type	For "Number of Holes Selectable Type" only: Number of Holes	For "Number of Holes Selectable Type" only: * Rc (PT) Selection Q, R, S, X, Y	At Full Capacity (ℓ)	I.D. D	Effective Capacity Depth H	At Full Capacity Depth H1	H2	P.C.D.	D3	O-Ring Size	Unit Price 1 ~ 3 pc(s). Number of Holes Fixed Qty. 0	Qty. 3	Number of Holes Selectable Type Qty. 3	Qty. 4	Qty. 5
Number of Holes Fixed Type: TNKB (O-Ring: Nitrile Rubber) / TNKBF (O-Ring: Fluororubber); Number of Holes Selectable Type: TNKBH / TNKBFH	1	0	3	1 (1/8)	1.1	95.6	130	167	260	127	140	G105					
	2.9		4	2 (1/4)	3.2	133	194	240	335	165	185	G145					
	4.7	3	5	3 (3/8)	5.1	158.4	220	270	365	190	210	G170					
	10				10.6	208.3	265	325	420	240	260	G220					-

To specify * marked Q, R, S, X and Y, use the numbers in front of ( ): 1, 2, 3.
Full capacity level is a theoretical value that is obtained by calculation (base area x H1 depth). Use within the effective H depth (up to -20mm from upper surface).
<Reference> Effective Capacity (ℓ)≈ Radius cm (D/2/10) x Radius cm (D/2/10) x3.14x Depth at Effective Capacity cm (H/10)/ 1000 (At full capacity, H1 is used as H)

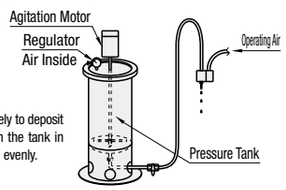
Ordering Example

Part Number - Number of Holes - Q - R - S - X - Y

Number of Holes Fixed Type : 3 Holes TNKB2.9 - 3
Number of Holes Selectable Type: 3 Holes TNKBH4.7 - 3 - Q2 - R3 - S3
Number of Holes Selectable Type: 5 Holes TNKBH4.7 - 5 - Q1 - R2 - S3 - X2 - Y2

For Number of Holes Selectable Type, choose between Q ~ Y according to the number of holes. Specify up to S for 3 holes, up to Y for 5 holes.

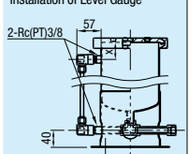
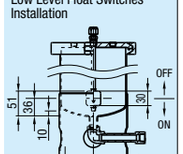
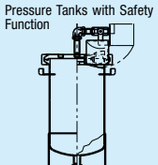
Example



Pump a material that is likely to deposit through an agitator within the tank in order to apply the material evenly.

Alterations

Part Number - Number of Holes - Q - R - S - X - Y - (LG, FS, AN)
TNKBH4.7 - 4 - Q2 - R2 - S2 - X3 - FS
TNKB4.7 - 3 - AN

Alterations	Code	Spec.
Installation of Level Gauge  For details of materials and others, see **P.1362**.	LG	Install level gauge to provide visual view of the liquid level. Suspended at a position of 40mm from upper surface (X) and 40mm from the bottom.
Low Level Float Switches Installation 	FS	Install a switch to operate as alarm or signal of level of liquids such as water and oil. Stem tip will be suspended at 10mm from bottom of Tanks. For details of Low Level Float Switches, see **P.1372**.
Pressure Tanks with Safety Function 	AN	Install Safety Cover and Support Angle. For details of features and dimensions, see overview page.**P.1362** Applicable only to Number of Hole Fixed Type.

Pressure Tanks with Base - Narrow Mouth

Number of Holes Fixed/Selectable

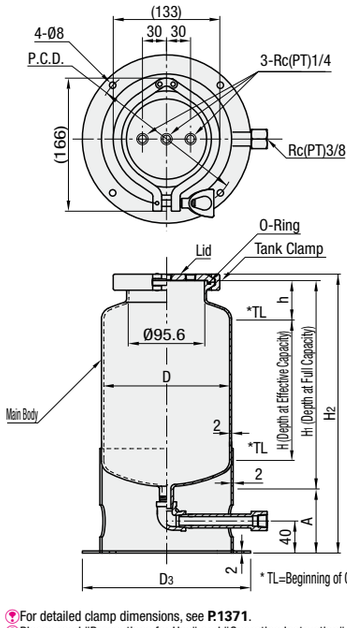
Features: Wide opening design for easy cleaning. Excels in liquid discharging and little liquid remains when the tank is emptied (Capacity: 4 ~ 22.5). Can be used for vacuum de-foaming (decompression).

Type		Material				Surface Finish	Normal Operating Pressure
Number of Holes Fixed	Number of Holes Selectable Type	Main Body	Clamp	Lid	O-Ring		
TNKC	TNKCH	SUS304			Nitrile Rubber	Buffed (main body only) Inner & Outer Surface: #400 Equivalent Except weld bead portion on I.D.	0.5MPa or Lower
TNKCF	TNKCFH				Fluororubber		

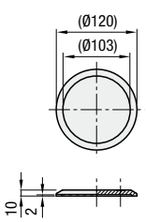
Feature of Nitrile Rubber / Fluororubber **P.391** OFeature of O-Ring:**P.1362**

Effective Capacity (ℓ)	Weight (kg)		
	Main Body	Lid	Tank Clamp
4	3.06	0.62	0.42
5.9	3.96		
12.7	6.46		
22.5	7.96		

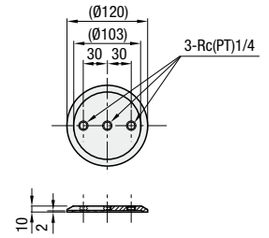
Number of Holes Fixed Type: 3 Holes



Lid (Number of Holes Fixed Type) 0 Hole

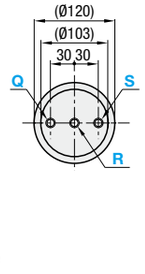


3 Holes

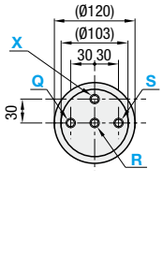


Lid (Number of Holes Selectable Type)

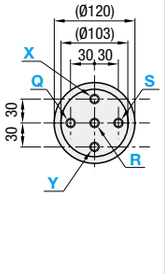
3 Holes



4 Holes



5 Holes



For detailed clamp dimensions, see **P.1371**.
Please read "Precautions for Use" and "Operating Instruction" on **P.1362** before use.

Part Number Type	Effective Capacity (ℓ)	Number of Hole Selection for Fixed Type	For "Number of Holes Selectable Type" only: Number of Holes	For "Number of Holes Selectable Type" only: * Rc (PT) Selection Q, R, S, X, Y	At Full Capacity (ℓ)	I.D. D	Effective Capacity Depth H	At Full Capacity Depth H1	A	H2	h	P.C.D.	D3	O-Ring Size	Unit Price 1 ~ 3 pc(s). Number of Holes Fixed Qty. 0	Qty. 3	Number of Holes Selectable Type Qty. 3	Qty. 4	Qty. 5
Number of Holes Fixed Type: TNKC (O-Ring: Nitrile Rubber) / TNKCF (O-Ring: Fluororubber); Number of Holes Selectable Type: TNKCH / TNKCFH	4	0	3	1 (1/8)	4.2	158.4	175	260	80	348	49.3	190	210	G105					
	5.9		4	2 (1/4)	6	180	194	287	80	375	54.8	210	230						
	12.7	3	5	3 (3/8)	13.2	250	208	325	85	418	73.5	285	310						
	22.5				23.2	250	408	530	85	623	73.5	285	310						

To specify * marked Q, R, S, X and Y, use the numbers in front of ( ): 1, 2, 3.
Full capacity level is a theoretical value that is obtained by calculation (base area x H1 depth). Use within the effective H depth (up to -20mm from upper surface).
<Reference> Effective Capacity (ℓ)≈ Radius cm (D/2/10) x Radius cm (D/2/10) x3.14x Depth at Effective Capacity cm (H/10)/ 1000 (At full capacity, H1 is used as H)

Ordering Example

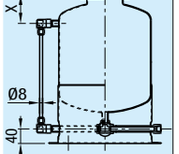
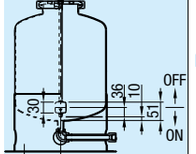
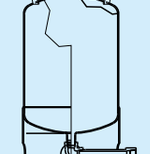
Part Number - Number of Holes - Q - R - S - X - Y

Number of Holes Fixed Type: 3 Holes TNKC12.7 - 3
Number of Holes Selectable Type: 5 Holes TNKCH5.9 - 5 - Q1 - R2 - S3 - X2 - Y2

For Number of Holes Selectable Type, choose between Q ~ Y according to the number of holes. Specify up to S for 3 holes, up to Y for 5 holes.

Alterations

Part Number - Number of Holes - Q - R - S - X - Y - (LG, FS, AN)
TNKCH4 - 4 - Q2 - R2 - S2 - X3 - FS
TNKCF5.9 - 3 - AN

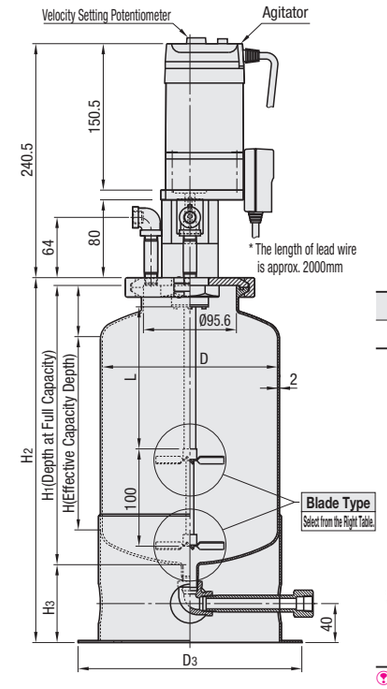
Alterations	Code	Spec.
Installation of Level Gauge  For details of materials and others, see **P.1362**.	LG	Install level gauge to provide visual view of the liquid level. Suspended at 40mm from the bottom of the tank.4ℓ Capacity: X=59.5mm, 5.9ℓ Capacity: X=65mm, 12.7ℓ Capacity: X=80mm, 22.5ℓ Capacity: X=80mm
Low Level Float Switch Installation 	FS	Install a switch to operate as alarm or signal of level of liquids such as water and oil. Stem tip will be suspended at 10mm from bottom of Tanks. For details of Low Level Float Switches, see **P.1372**.
Pressure Tanks with Safety Function 	AN	Install Safety Cover and Support Angle. For details of features and dimensions, see overview page.**P.1362** Applicable only to Number of Hole Fixed Type.

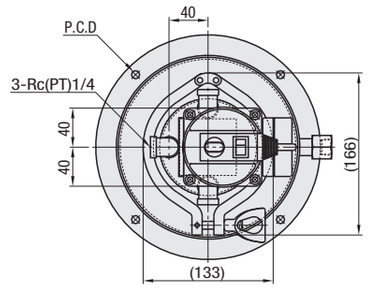
■**Features:** Narrow Mouth Pressure Tanks with Base (on **P.1366**) assembled with agitator.

RoHS

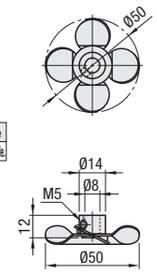
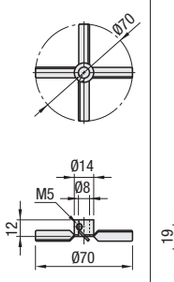
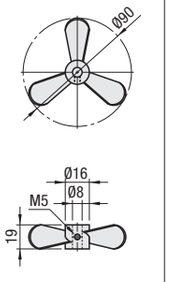
Type	Material					Surface Finish	Normal Operating Pressure
	Main Body	Clamp	Lid	O-Ring	Agitator		
TNKCKA	SUS304			Fluororubber	TNKAKU	Buffed (main body only) Inner & Outer Surface: #400 Equivalent (Except weld bead portion on I.D.)	0.5MPa or Lower

For details of agitators, see **P.1370**





Blade Type (Accessory: SUS304 Socket Set Screw)

A	B	C
		

For illustrations of blade agitation, see **P.1367**.

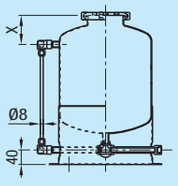
Part Number Type	Part Number Effective Capacity (ℓ)	Choice in Agitators' Gear Head Reduction Ratio	Blade Shape	At Full Capacity (ℓ)	I.D. D	Effective Capacity Depth H	At Full Capacity Depth H1	H2	H3	L	P.C.D.	D3	Weight (kg)	Unit Price 1 ~ 3 pc(s). Unit Price (Tank + Agitator)	Blade Shape Additional Charge depending on Shape Charge NA	A	B	C
TNKCKA	4	5 9	NA (None) A B C	4.2	158.4	175	260	348	80	119	190	210	7.55					
	5.9			6	180	194	287	375	80	146	210	230	8.45					
	12.7			13.2	250	208	325	418	85	185	285	310	9.45					

Full capacity level is a theoretical value that is obtained by calculation (base area x H1 depth). Use within the effective H depth (up to -20mm from upper surface).
<Reference> Effective Capacity (ℓ)≈ Radius cm (D/2/10) x Radius cm (D/2/10) x3.14x Depth at Effective Capacity cm (H/10)/ 1000 (At full capacity, H1 is used as H) 2 agitation blades in same shape comes together.

■Motor Specifications

Power Supply	Maximum Output	Current	Rotational Speed r/min		Gear Head Reduction Ratio: Variable Speed Range 5	9	Allowable Torque 5	9
AC100V	25W	0.7A	90		18	10	0.18	0.33
			1200	50Hz	280	156	0.62	1.2
				60Hz	300	167	0.49	0.87

Alterations — Part Number TNKCKA4 - Reduction Ratio 5 - Blade Shape B - (LG, NBR) LG

Alterations	Code	Spec.
Installation of Level Gauge 	LG	Install level gauge to provide visual view of the liquid level. Suspended at 40mm from the bottom of the tank.4ℓ Capacity: X=59.5mm, 5.9ℓ Capacity: X=65mm, 12.7ℓ Capacity: X=80mm, 22.5ℓ Capacity: X=80mm. For details of materials and others, see **P.1362**.

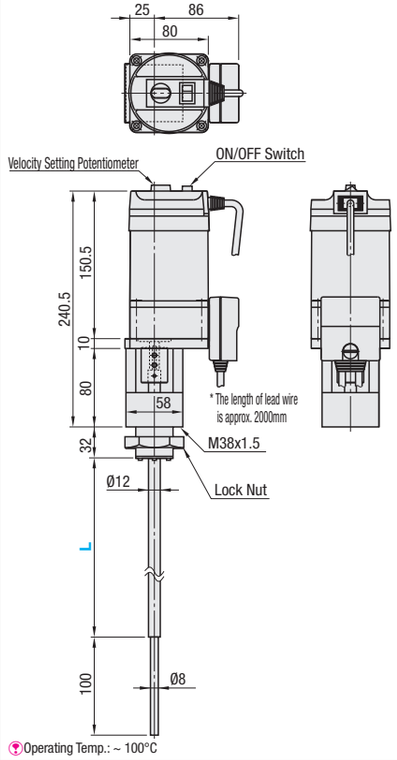
<Price Calculation Example>

The price of Pressure Tanks with Agitator is unit price (Tank + Agitator) plus additional charge depending on blades' shape.

Ordering Example — Part Number - Reduction Ratio - Blade Shape
TNKCKA4 - 5 - B
TNKCKA5.9 - 9 - NA

RoHS

TNKAKU

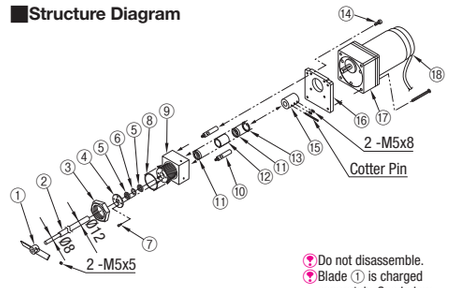


Operating Temp.: ~ 100°C

■Component List

No	Part Name	Material	Quantity
1	Agitation Blade	SUS304	1
2	Agitation Shaft	SUS304	1
3	Fixing Nut	SUS304	1
4	Sealing Cap	SUS304	1
5	Back-Up Ring	PTFE	2
6	Seal for O-Ring	Viton	1
7	Cap Screw	SUS304	4
8	Seal for O-Ring	Viton	1
9	Bearing Housing	AL. Anodize	1
10	Shaft for Motor Fixing	SUS304	4
11	Bearing	SUS304	2
12	Bearing Spacer	BS	1
13	C-Ring	SS	1
14	Cap Screw	SUS304	4
15	Coupling	SUS304	1
16	Motor Base	AL	1
17	Gear Head	-	1
18	Electric Motor	-	1

■Structure Diagram



Do not disassemble.
Blade ① is charged separately. See below.

■L Dimension Compatibility Chart

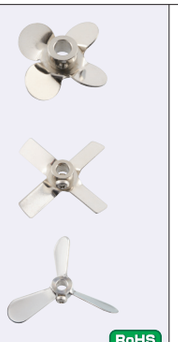
Shaft L Dimension	Applicable Tank
105	TNKBKA2.9
119	TNKCKA4
136	TNKBKA4.7
146	TNKCKA5.9
185	TNKBKA10, TNKCKA12.7

Part Number Type	Gear Head Reduction Ratio	Selectable L Dimension	Unit Price Qty. 1 ~ 3
TNKAKU	5	105 119 136 146 185	
	9		

■Motor Specifications

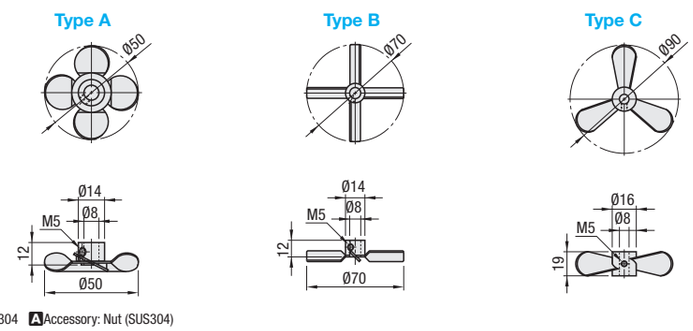
Power Supply	Maximum Voltage	Current	Rotational Speed r/min		Gear Head Reduction Ratio: Variable Speed Range 5	9	Allowable Torque 5	9
AC100V	25W	0.7A	90		18	10	0.18	0.33
			1200	50Hz	280	156	0.62	1.2
				60Hz	300	167	0.49	0.87

Ordering Example — Part Number TNKAKU5 - L 119



RoHS

HANE



M Material: SUS304 A Accessory: Nut (SUS304)

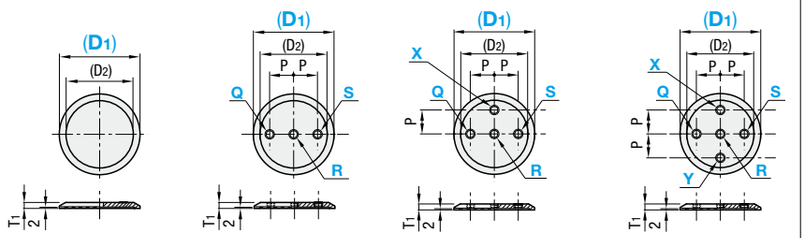
Part Number Type	Type	Unit Price Qty. 1 ~ 5
HANE	A	
	B	
	C	

Ordering Example — Part Number HANE - Type A

■For Pressure Tank O-Rings, see NGA and NGB on **P.1426**.

■Lids for Pressure Tanks RoHS

Type	Material	Surface Finish	Normal Operating Pressure
TNKKH	SUS304	Buffing Outer Surface: #400 Equivalent	0.5MPa or Lower



Part Number Type	(D1)	Number of Holes	For 3 ~ 5 Holes * RC (PT): Q, R, S, X, Y	(D2)	T1	P	Applicable O-Ring	Weight (kg)	Unit Price 1 ~ 3 pc(s.) Number of Holes: 0 Hole	3 Holes	4 Holes	5 Holes
TNKKH	120	0 3 4 5	1 (1/8) 2 (1/4) 3 (3/8)	103	10	30	G105	0.62				
	135			118			G120	0.8				
	160			143	12	40	G145	1.42				
	190			166			G170	2.18				

To specify * marked Q, R, S, X and Y, use the numbers in front of ( ): 1, 2, 3.
For orders larger than indicated quantity, please check with WOS.

Ordering Example: Part Number - Number of Holes - Q - R - S - X - Y

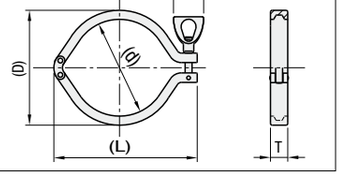
No Hole	TNKKH120	-	0				
3 Holes	TNKKH160	-	3	- Q2	- R3	- S3	
5 Holes	TNKKH190	-	5	- Q1	- R2	- S3	- X2 - Y2

For Number of Holes Selectable Type, choose between Q ~ Y according to the number of holes. Specify up to S for 3 holes, up to Y for 5 holes.

■Tank Clamps

RoHS

TNKCP



Part Number Type	No.	(D)	(d)	(L)	T	(N)	Unit Price Qty. 1 ~ 3
TNKCP	90A	133	112	166	20	35	
	100A	149	128	184	20.7		
	125A	174	150	212	25	42	
	150A	204	180	246			

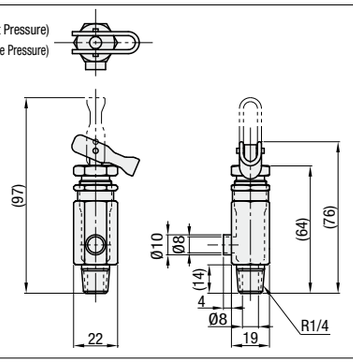
For orders larger than indicated quantity, please check with WOS.

Ordering Example: Part Number TNKCP125A

■Relief Valves

RoHS

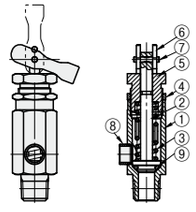
TNKRL (Constant Pressure)
TNKRLF (Variable Pressure)



Part Number Type	Relief Valve Pressure (MPa) TNKRL only	TNKRLF only 0.05MPa increment	Usage	Upper Pressure Lim (MPa)	Unit Price 1 ~ 3 pc(s.) TNKRL	TNKRLF
Constant Pressure TNKRL	0.2	0.05~0.3	Low Pressure Use	0.3		
Variable Pressure TNKRLF	0.6	0.35~0.6	High Pressure Use	0.65		

Ordering Example: Part Number TNKRL0.2 / TNKRLF0.5

■ Structure Diagram



■ Parts and Materials

No.	Part Name	Material
①	Body	SUS316
②	Stem	SUS316
③	Spring	SUS316-WPA
④	Lock Nut	SUS316
⑤	Lock Cap	SUS316
⑥	Stopper	SUS316
⑦	Pin	SUS316
⑧	Hose End	SUS316
⑨	O-Ring	Fluororubber

• Specifications

Applicable Fluid: Compressed Air, Compressed Nitrogen and Other Gasses

Set Pressure:
Low Pressure Use: 0.05 ~ 0.25Mpa
High Pressure Use: 0.3 ~ 0.6MPa
*Pressure is variable by customers for Constant Pressure Type.

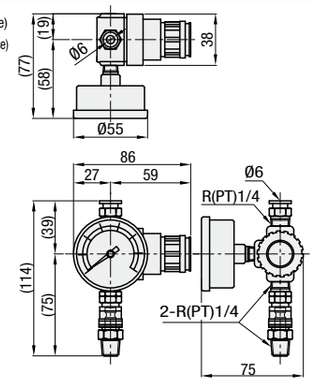
■ Cautions on Installation and Operation

・Install in a place which is not subject to vibration.
・Do not squeeze the pipe to the connecting port in the halfway.

■Regulators for Pressure Tanks

RoHS

TNKRG (Low Pressure Use)
TNKRGH (High Pressure Use)



M Material: Main Body: Zinc Alloy
Adjuster Knob: Polyacetal
Gasket: NBR

Part Number	Specifications	Adjustable Range	Unit Price Qty. 1 ~ 3
TNKRG	Low Pressure Use	0~0.2MPa	
TNKRGH	High Pressure Use	0~0.7MPa	

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

Ordering Example: Part Number TNKRG / TNKRGH

■Cautions on Installation and Operation

・Install in a place which is not subject to vibration.
・Use within surrounding temperature range of 5 ~ 60°C.
・Do not squeeze the pipe to the connecting port in the halfway.

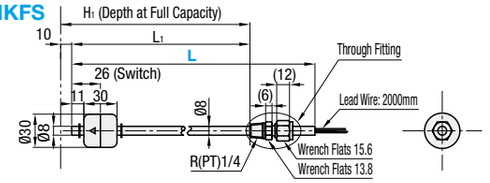
■Features

Controls pressure within pressure tank. By securing in the "lock" position after setting the pressure, set value is fixed and does not change during operation.

■Low Level Float Switches

RoHS

TNKFS



L1 can be adjusted by changing the position of the through-fitting.
■Features: Switch to operate as alarm or signal of level of liquids such as water and oil.

■Float Switch (Optional) Spec List

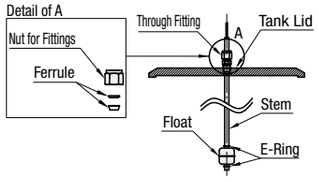
Part Number Type	L	Unit Price Qty. 1 ~ 3
TNKFS	220	
	300	
	325	

■Specifications

Usage		For Liquids
Operating Range (Gravity)		0.7 or More
Pressure Resistance		0.75MPa
Heat Resistant Temperature		100°C
Material	Lead Wire	FEP Coating 0.3sq
	Stem	SUS304
	Float	SUS304
	Stopper	SUS304
	Filler	Epoxy Type
Switch		ORD229
Maximum Operating Voltage		AC240V, DC200V
Maximum Operating Current		AC0.5A, DC0.5A
Maximum Contact Capacity		AC50VA, DC50W
Contact Resistance		500mΩ or Less
Precision		±3mm

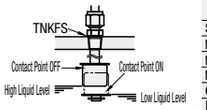
■Installation Manual

1.Apply adhesive tape to "Through Fitting" (R1/4 portion) and screw the fitting into the tank lid.
2.Thread lead wire through the "Through Fitting" from inside of the lid, and insert the stem.
3.Insert the ferrule and nut of "Through Fitting" into the stem as shown on the left.
* Do not tighten the nut for fitting at this stage.
4.Confirm the distance from the tip of the stem and switch portion to the bottom of the tank, define the location where the stem will be fixed, and hand-tighten the nut.
5.Turn the nut until hand-tight and then secure it with a wrench by rotating at 1 1/4 turn.



■Cautions on Installation

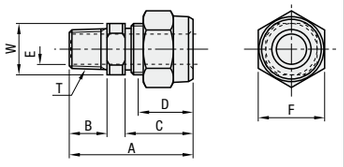
Float may not function properly if mounted with excessive tilt.



■Through Fittings

RoHS

TNKT



M Material: Main Body: SUS304
Ferrule: Teflon®

Part Number Type	Applicable Tube O.D. (mm)	Nominal	T R(PT)	A	B	C	D	E	F	W	Unit Price Qty. 1 ~ 4	Volume Discount Rate Qty. 5 ~ 10
TNKT	6	1	1/8	37	11	14	14	6	14	16		
		2	1/4	38	13							
	8	2	1/4	39	13	18	15	8	16	16		
	10	3	3/8	43	14	20	16	10	19	20		
	12	3	3/8	44	14	23	18	12	23	25		

Ordering Example: Part Number TNKFS300 - Nominal TNKT6 - 2

■Features: Ferrule made of Teflon enables repeatable positioning.

Example