

Lids for Pressure Tanks / Tank Clamps / Relief Valves

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

Regulators for Pressure Tanks / Low Level Float Switches / Through Fittings

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

Lids for Pressure Tanks

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

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.

Part Number	Type	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				
TNKKH	120	0	1 (1/8)	103	10	30	G105	0.62	0 Hole	3 Holes	4 Holes	5 Holes	
	135	3	2 (1/4)	118			G120	0.8					
	160	4	3 (3/8)	143			G145	1.42					
	190	5		166	12	40	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.

Tank Clamps

TNKKCP

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

Part Number	Type	No.	(D)	(d)	(L)	T	(N)	Unit Price
TNKKCP	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.

Relief Valves

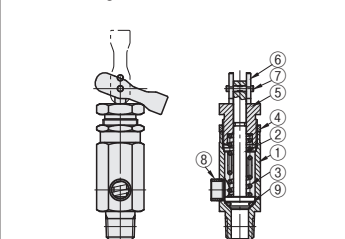
TNKKRL (Constant Pressure)
TNKKRLF (Variable Pressure)

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

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

Ordering Example: Part Number
TNKKRL0.2
TNKKRLF0.5

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 Gases

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



TNKKRG (Low Pressure Use)
TNKKRGH (High Pressure Use)

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

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

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

Ordering Example: Part Number
TNKKRG
TNKKRGH

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



TNKKFS

Features: Switch to operate as alarm or signal of level of liquids such as water and oil.

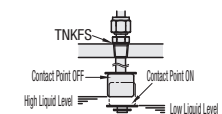
Float Switch (Optional) Spec List

Part Number	Unit Price Qty. 1 ~ 3
TNKKFS	220
	300
	325

Specifications

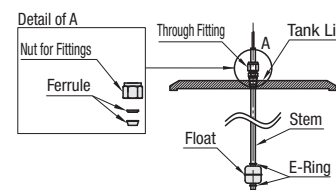
Usage	For Liquids
Operating Range (Gravity)	0.7 or More
Pressure Resistance	0.75MPa
Heat Resistant Temperature	100°C
Lead Wire	FEP Coating 0.3sq
Material	SUS304
Stem	SUS304
Float	SUS304
Stopper	SUS304
Filler	Epoxy Type
Switch	ORD229
Maximum Operating Voltage	AC240V, DC200V
Maximum Operating Current	AC0.5A,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

Cautions on Installation
Float may not function properly if mounted with excessive tilt.

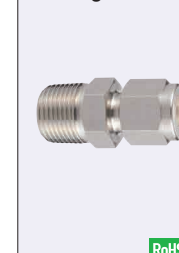


Installation Manual

- Apply adhesive tape to "Through Fitting" (R1/4 portion) and screw the fitting into the tank lid.
- Thread lead wire through the "Through Fitting" from inside of the lid, and insert the stem.
- 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.
- 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.
- Turn the nut until hand-tight and then secure it with a wrench by rotating at 1 1/4 turn.



Through Fittings



TNKT

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			
	8	2	1/4	38	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			

Features: Ferrule made of Teflon enables repeatable positioning.

Example

