

Lid for Pressure Tank / O-Ring / Tank Clamps

For Pressure Tank O-Rings, see NGA and NGF on P.3449.

Type	Material	Surface Finish	Normal Operating Pressure
TNKKH	304 Stainless Steel	Buffed Outer Surface: #400 Equivalent	0.5 Mpa or Lower

0 Hole

3 Holes

4 Holes

5 Holes

ⓘ Select a lid with D₁ that fits D₂ of the tank.

Part Number	Type	No. of Holes Selection	For 3-5 Holes		T ₁	P	Weight (kg)
			*Rc (PT) Q, R, S, X, Y	(D ₂)			
TNKKH 120		0		103	10	G105	0.62
TNKKH 135		3	1 (1/8)	118		G120	0.8
TNKKH 160		4	2 (1/4)	143	12	G145	1.42
TNKKH 190		5	3 (3/8)	166		G170	2.18

Part Number Example

Part Number - No. of Holes - Q - R - S - X - Y

No Hole **TNKKH120** - 0 - - - - -

3 Hole **TNKKH160** - 3 - Q2 - R3 - S3

5 Hole **TNKKH190** - 5 - Q1 - R2 - S3 - X2 - Y2

ⓘ For 3-5 holes, choose Q-Y: according to the number of holes. Specify up to S for 3 holes, up to Y for 5 holes.

ⓘ To specify *marked Q, R, S, X and Y, use the numbers in front of (): 1, 2, 3.

Relief Valves

TNKRLL
Constant Pressure

TNKRLF
Variable Pressure

Type	Relief Valve Pressure (MPa)		Usage	Upper Pressure Limit (MPa)
	ⓘ TNKRLL Only	ⓘ TNKRLF Only 0.05 MPa increment		
Constant Pressure TNKRLL	0.2	0.05-0.25	Low Pressure Use	0.3
Variable Pressure TNKRLF	0.6	0.3-0.6	High Pressure Use	0.65

Part Number Example

Part Number **TNKRLL0.2**
TNKRLLF0.5

Structure Diagram

Parts and Materials

No.	Name of Parts	Material
(1)	Body	316 Stainless Steel
(2)	Stem	316 Stainless Steel
(3)	Spring	316 Stainless Steel
(4)	Lock Nut	316 Stainless Steel
(5)	Lock Cap	316 Stainless Steel
(6)	Stopper	316 Stainless Steel
(7)	Pin	316 Stainless Steel
(8)	Hose End	316 Stainless Steel
(9)	O-Ring	Fluororubber

Specification
Applicable Fluid: Compressed Air Compressed Nitrogen Other Gasses

Set Pressure: For Low Pressure 0.05-0.25 Mpa
For High Pressure 0.3-0.6 MPa

Cautions on Installation and Operation
- Install in a place that is not subject to vibration.
- Do not squeeze the pipe to the connecting port in the halfway.

Regulator for Pressure Tanks / Low Level Float Switches / Relief Valves

For Low & High Pressure

Regulator for Pressure Tank

TNKRGR
Low Pressure Use

TNKRGRH
High Pressure Use

Material: Body: Zinc Alloy
Adjuster Knob: Polyacetal
Gasket: NBR Nitrile Rubber

Part Number	Specifications	Adjustable Range
TNKRGR	For Low Pressure	0-0.2 MPa
TNKRGRH	For High Pressure	0-0.7 MPa

Part Number Example

Part Number **TNKRGR**
TNKRGRH

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

TNKFSS

Feature: 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
TNKFSS	220
	300
	325

Through fitting is included.

Specification

Usage	For Liquids	
Operating Range (Gravity)	0.7 or More	
Pressure Resistance	0.75 MPa	
Heat Resistant Temperature	100°C	
Material	Lead Wire	FEP Coating 0.3 sq
	Stem	304 Stainless Steel
	Float	304 Stainless Steel
	Stopper	304 Stainless Steel
	Filler	Epoxy Type
Switch	ORD229	
Maximum Operating Voltage	AC 240V, DC 200V	
Maximum Operating Current	AC 0.5A, DC 0.5A	
Maximum Contact Capacity	AC 50VA, DC 50W	
Contact Resistance	500 mΩ or less	
Precision	±3 mm	

Installation Manual

- Apply adhesive tape to "Through Fitting" (R1/4 portion) and screw the fitting into 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 drawing below.
* Do not tighten the nut at this stage.
- Confirm the distance from the tip of the stem and switch portion to the bottom of the tank. Next, define location where the stem will be fixed, and hand tighten the nut.
- Turn the nut until hand-tight and then secure with a wrench by rotating at 1-1/4 turn.

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

Through Fitting

TNKT

Material: Main Body: 304 Stainless Steel
Ferrule: Teflon®

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

Feature: Ferrule made of Teflon enables repeatable positioning.

Part Number Example

Part Number - Nominal
TNKFSS300 - 2
TNKFSS300 - 2

Application Example

Position of the pipe can be adjusted.