

Instruction Manual

For Cargo Liquid Sampling Device

Model T2000-TSS-02
Gas-Tight(Closed) Type

Benefits of T2000-TSS-02

- *Protect operator*
- *Protect environmental pollution*
- *Easy construction*
- *Easy operation & maintenance*



MODEL : T2000-TSS-02

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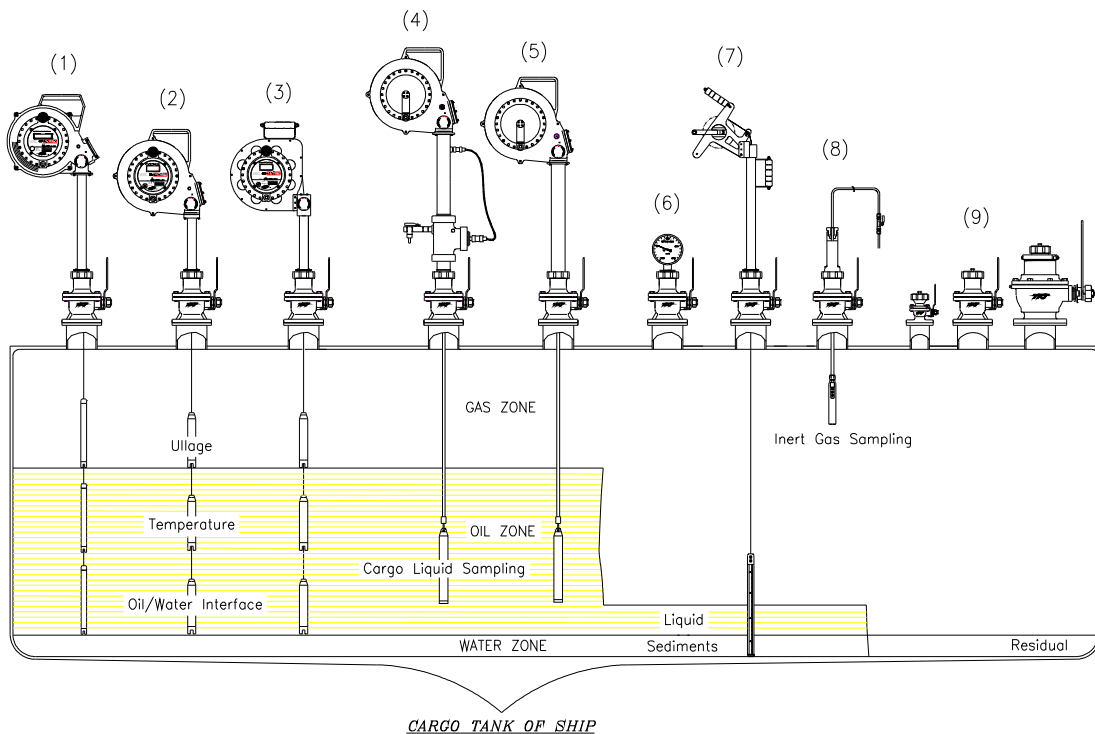
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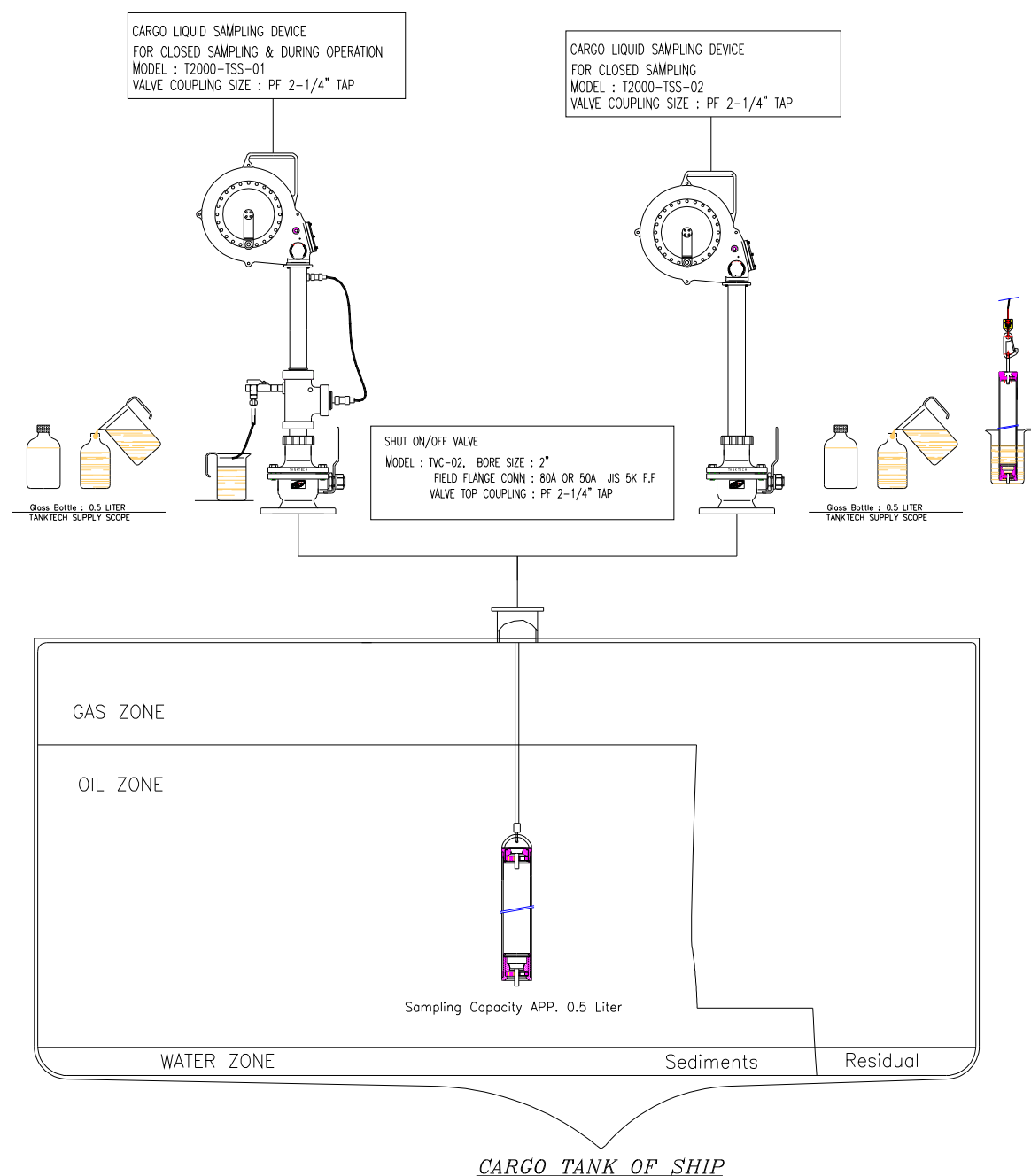
2. All kinds of TANKTECH Portable Measuring System



No.	Discription
1	Closed Type Portable Oil/Water Interface Detector for Ullage, Oil/Water Interface & Temperature gauging (MODEL : T2000-TFC-01)
2	Closed Type Portable Oil/Water Interface Detector for Ullage, Oil/Water Interface & Temperature gauging (MODEL : T2000-TFC-02)
3	Restricted type Portable Oil/Water Interface Detector for Ullage, Oil/Water Interface & Temperature gauging (MODEL : T2000-TFS-01)
4	Gas Tight Type Cargo Liquid Sampling Device (MODEL : T2000-TSS-01)
5	Closed Type Cargo Liquid Sampling Device (MODEL : T2000-TSS-02)
6	Inert Gas Press Gauge (MODEL : T2000-TPG-01)
7	Tank Bottom Dryness (Hand Dipping) Checking Device (MODEL : T2000-TLS-01)
8	Inert Gas Sampling Hose & Adaptor (MODEL : T2000-TOS-01)
9	Shut On/Off Valve (Vapor Control Valve) (MODEL : TVC-01, TVC-02, TVC-04)



3. Installation for Cargo Liquid Sampling Device



CARGO LIQUID SAMPLING DEVICE FOR CARGO LIQUID SAMPLING

4. SPECIFICATION .

4-1 General Description

This device is used to pick the sample of the storage oil in tank.

The cargo owner requires cargo sample to be taken from the tank through tank gauging station the analyze the cargo liquid.

4-2 Model No. : T2000-TSS-02

Tape length	30M
Tape graduation	Metric
Scale graduation	
Tape resolution	1 mm
Ball valve coupling (Top mounting of model : TVC-02)	PF 2-1/4" TAP
Overall dimensions (height×width×thickness)	APP. 950×346×180mm
Capacity of sampling bottles	0.5 Liter
Weight	9.1 kg

4-3 Material

MODEL : T2000-TSS-02 (Body) ----- : Aluminum casting (JIS – AC4C-T6)

4-4 Coating

IN / OUT SIDE ----- : Epoxy nylon coating

COLOR ----- : Black

THICKNESS (IN/OUT SIDE) ----- : 80mic.

CARGO LIQUID SAMPLING DEVICE FOR CARGO LIQUID SAMPLING

5. Operation for Cargo Liquid Sampling Device

5-1. General Description

Thank you for purchasing the Sampling equipment of TANKTECH .

Products of the our company intend to manage cargo tanker of the land and the marine efficiently.

Before products use, Please carefully read this manual.

Please, ask to users for the right usage to operate the products well.

5-2. About Mark of the Manual

This manual is written with [Warning] and [Caution] markings. These are important for a safe operation. These precautions stress the important matter for the prevention of the physical accident and possible damage to the equipment.



Warning : When wrong use of equipment may cause body harm to user.



Caution : When wrong use of equipment may cause damage to the set.

5-3. Application for Model : T2000-TSS-02

Sampling Capacity : Approx. 0.5Liter

5-4. Name and Shape of Structure

This device is constructed the sampling bottle part, measuring tape to fix the bottle and indicate the depth of bottle, reel part to move the measuring tape and frame part to fix all device and connect the shut on-off valve of TANKTECH.

5-5. Sampling Method

1. Connect the suitable bottle with the end of the measuring tape by using the hook.
Insert the bottle into storage barrel and fix it with latch.

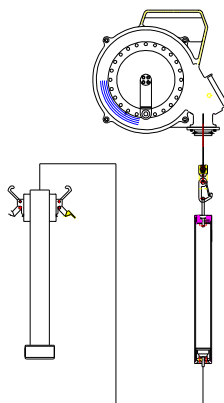


Fig 1. Connect of Cargo Liquid Sampling Device

2. Remove the cap of the shut on-off valve, connect the sampling device at the valve.

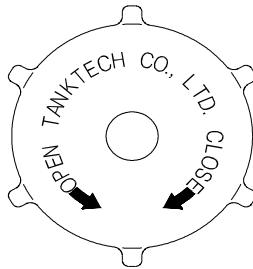


Fig 2. Remove the cap for Model : TVC-02

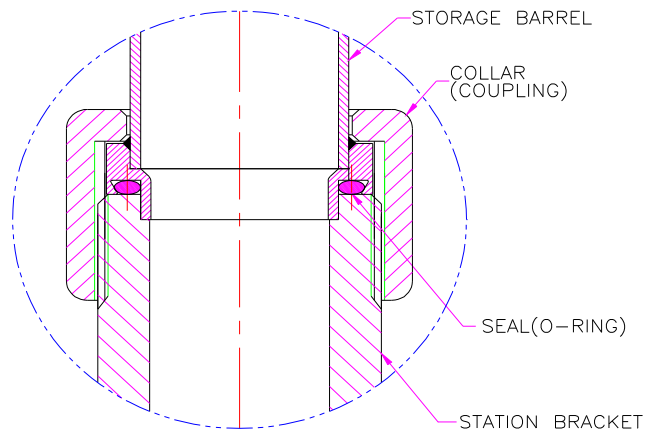


Fig 3. Detail of Seal part



MODEL : (TVC-02)Shut On/Off valve (Gauging Station) installed on tank top.
it is available to draw up cargo liquid sample in any desired level,
without releasing dangerous vapor from tank.

3. Open the shut on-off valve.

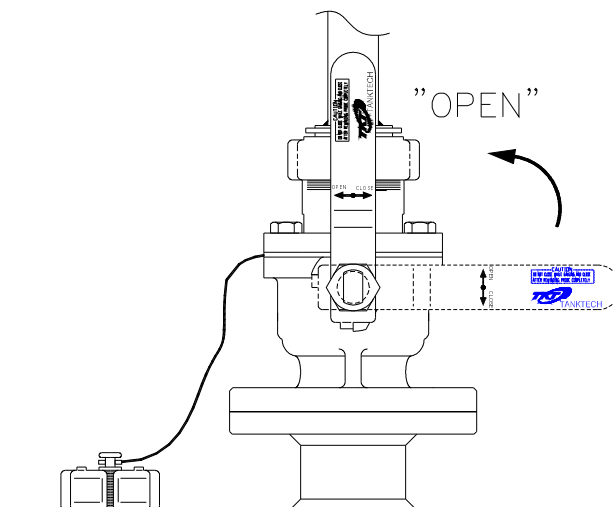


Fig 4. Open handle position

4. Pull handle and drop the sampling bottle slowly.

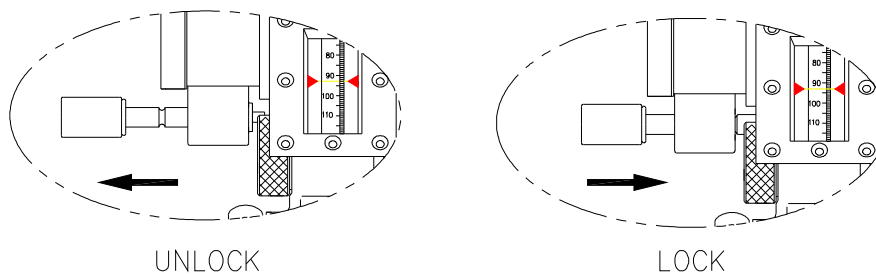
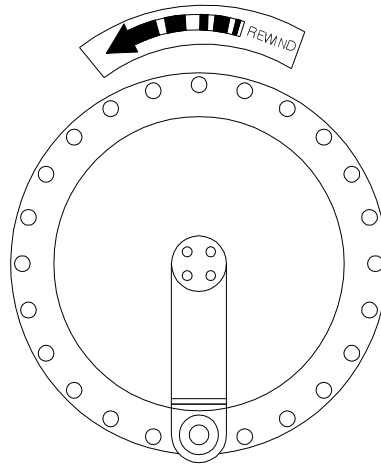


Fig 5. Reel handle breaker

5. Drop the sampling bottle at the wanted position.



- Do not free fall -

Fig 6. Mark of Wind & Rewind

6. Stop the sampling bottle at the wanted position.

7. Turn the cleaner knob on before rewinding the sampling bottle.

*** RESET POSITION AFTER CLEANING.**

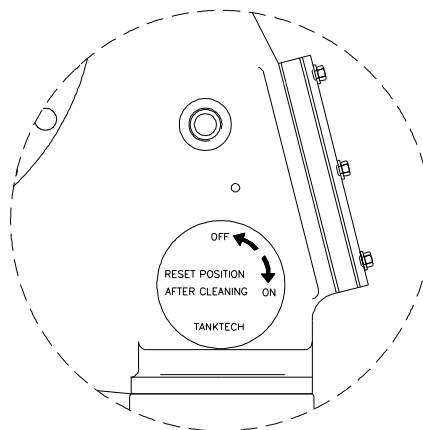


Fig 7. View of cleaning position

8. Check that the sampling bottle reach at the top, and close the valve.

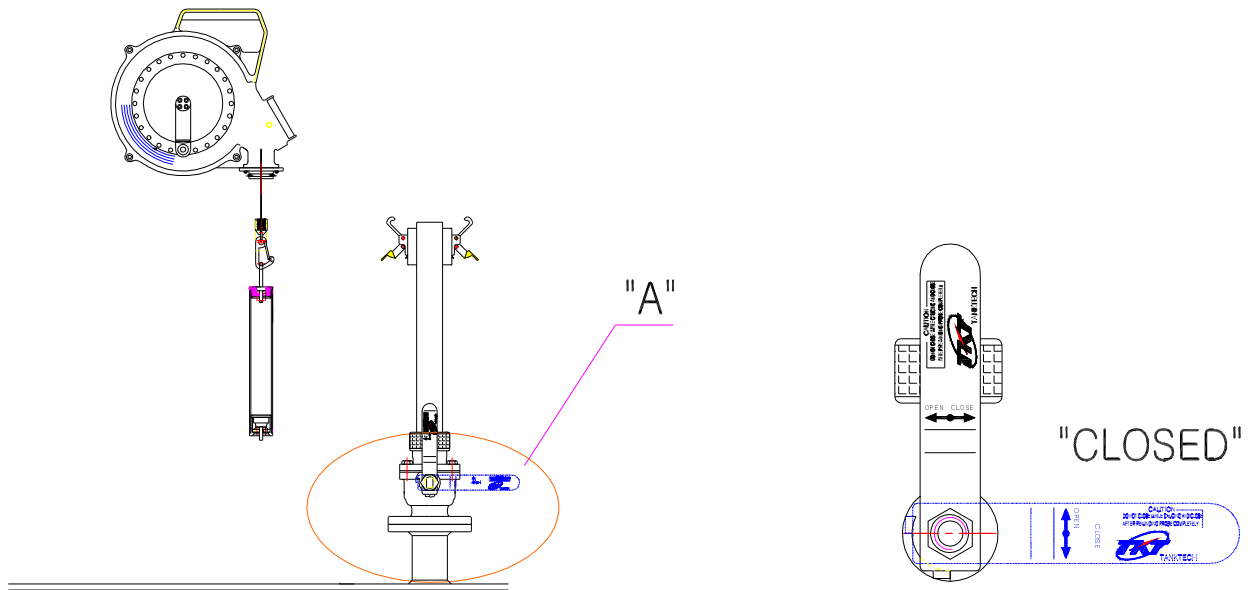


Fig 8. View of Liquid winding up

9. Separate the barrel from the sampling device, separate the sampling bottle from the measuring tape.

10. Auto Open(Drain) the Check ball or disc at bottle bottom, bottle the liquid sample.

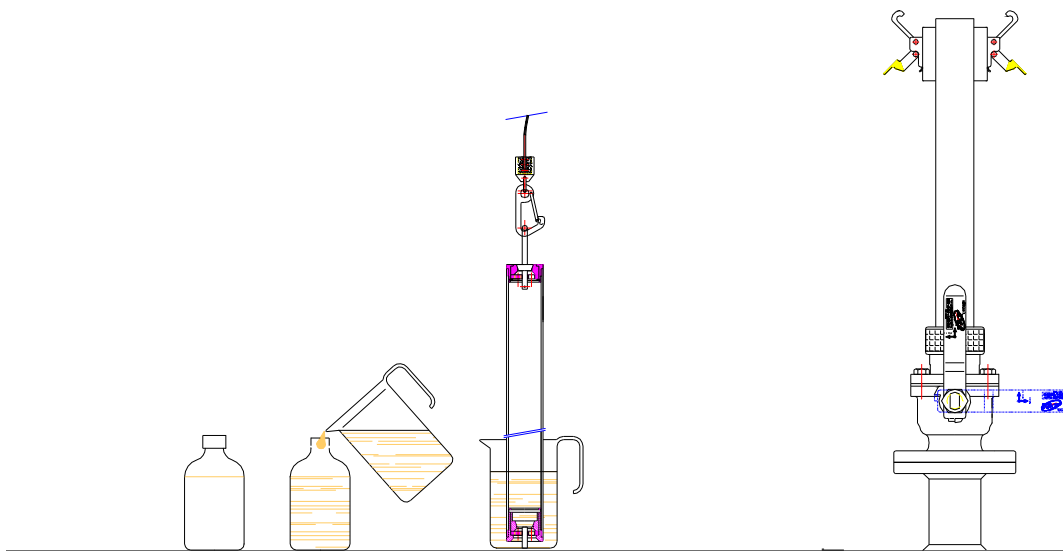


Fig 9. View of Auto Open(Drain) the Check ball or disc