

Float & Board Level Gauge

We are introducing our Float & Board Level Gauge which is suitable for large non-pressurized liquid storage tanks / vessels. The Specific Gravity of the fluid should be more than ≥ 0.8 . Float is available in different material S.S.304/S.S.316/P.P./Teflon etc. In this level gauge, the float is design as per the specific gravity of the liquid. This float connected to a pointer through Rope via a Sets of Pulleys. The pointer slides over a CM marked Board, Installed Parallel to the tank. For more than 3-meter height of the tank we provide two guide rope firmly anchored to the tank bottom. So that horizontal movement of the float is restricted.



Construction

Float and Board Type level Indicator is the version applicable for level indication system in Water, Furnace oil, Chemicals, Acids storage tank level measurement.

There are Two Types Available,

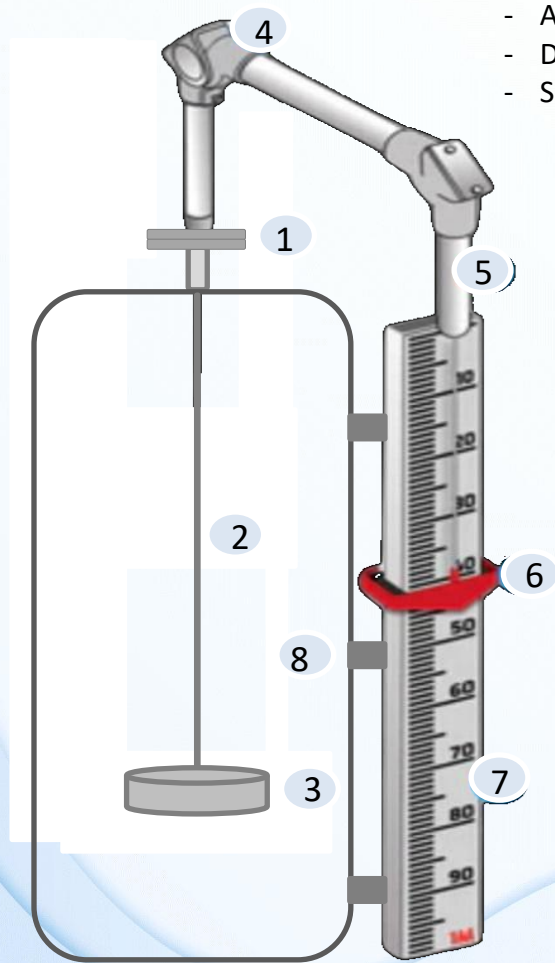
➤ Unguided Type

In Unguided Type float connected to a pointer through a rope by way of pulleys. The pointer with nylon roller slides smoothly over a measuring Scale board, positioned parallel to the tank. The float accurately follows liquid level variations in vertical direction.

In this construction two guided ropes are not provided , so the float movement is not fixed within the straight-line range (Suitable for up to 3 Mtr lengths only). It is suitable only for low turbulence liquid storage tanks.

Silent Features

- Simple mechanical construction with high durability & less maintenance.
- High Accuracy for large storage tanks.
- Aluminium powder coated scale gauge board .
- Dark black mark line in CM to easily visible from long distance.
- SS 304/SS316 rust-free float.

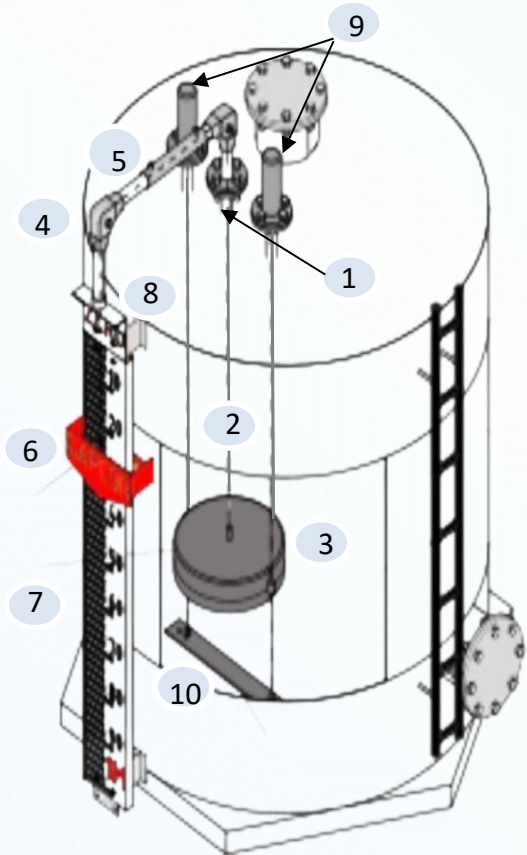


Product Details

Sr. No.	Part Name
1	Process Connection
2	Rope SS 304 -2mm
3	Float SS 304/316 - Dia200 mm
4	Pully Enclosure
5	Elbow Assembly
6	Pointer
7	Scale Board marked in CM
8	Scale Board Bracket

➤ **Guided Type**

It is consisting of float connected to a pointer through a rope by way of pulleys. The pointer with nylon roller slides smoothly over a measuring Scale board, positioned parallel to the tank. The float accurately follows liquid level variations in vertical direction. The horizontal float movement is fixed between two guided ropes firmly anchored to tank bottom. With The help of pointer, we knows the level of the liquid inside the tank. The scale board is provided in 1 meter each length & multiple scale board are connected through brackets as per required length.

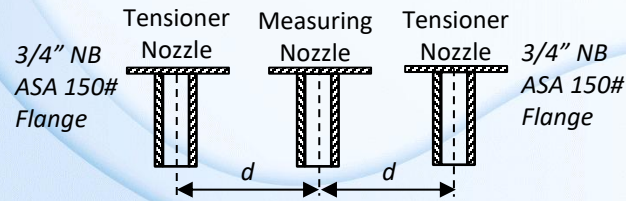


Product Details

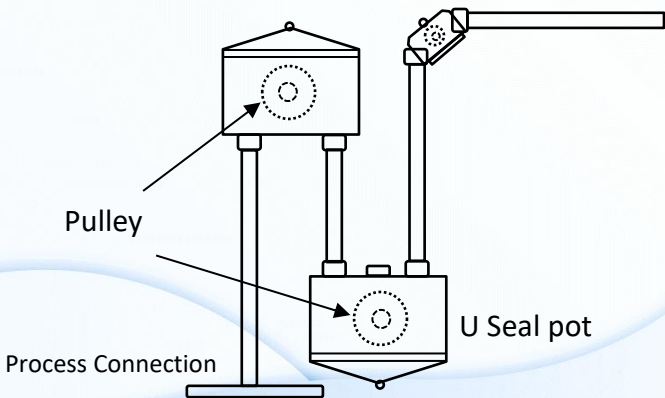
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8	Scale Board Bracket
9	Tensioner Assembly (2 Nos.)
10	Anchor Plate / Welded Pipe

Guided Nozzle Installation Details

Float Diameter	200 mm (4 to 8 Mtr)	300 mm (Above 8 Mtr)
Tensioner Nozzle Distance (d)	150 mm	200 mm



U-Seal Pot Design for Fuming Liquids



Technical Specification

Measuring Range	1000 mm to 3000 mm (Unguided) 3000 mm to 15000 mm (Guided)
Float	SS 304/ SS 316/ SS316L/ PP - Ø200 mm (Upto 8 Mtr) SS 304/ SS 316/ SS316L/ PP - Ø300 mm (Above 8 Mtr to 15 Mtr)
Float Rope	SS 304/ SS 316/ SS316L X Ø2 mm PP Ø 3 mm
Process Connection	Flanged Type 3/4" ASA 150#
Tensioner Connection	Flanged Type 3/4" ASA 150#
Scale Board	C-shape scale board 150 mm wide in Aluminum or SS 304 MOC. White powder coated with numerical marking in black color.
Pointer	Red powder coated in CS & SS304
Elbow Assembly	Pipe GI 3/4" / SS 304 / PP - 650 mm Length (Adjustable +50 mm) Two pulley set with enclosure
Pointer	Red colour MS / SS304
Guide Rope Fixing	Plate CS / SS 304 (Welded type for metallic tanks only) SS / PP weighted pipe (For Non-metallic tanks)
Rope Fastener	SS 316
Scale Board Bracket	T Shape - MS powder coated
Elbow Assembly Support	L- angle Red oxide painted
Liquid SG	≥ 0.8
Installation Type	Side Mount / Top Mount
Max. Temperature	Upto 80°C for PP & Upto 150°C for SS 304/ SS 316
Max. Pressure	Atmospheric
Special	U-seal pot for Hazardous Fuming liquid

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1. Length of Scale Board

2. Float MOC X Size

PP X Ø 200 mm	1
SS 304 X Ø 200 mm	2
SS 3316 X Ø 200 mm	3
SS 3316L X Ø 200 mm	4
PP X Ø 300 mm	5
SS 304 X Ø 300 mm	6
SS 3316 X Ø 300 mm	7
SS 3316L X Ø 300 mm	8

3. Installation Type

Side Mount	S
Top Mount	T

4. Calibrated Scale Board X Pointer MOC

Aluminum Scale Board X CS Pointer	A
SS 304 Scale Board X SS 304 Pointer	S

5. Process Connection Size

3/4" Flange	A
1" Flange	B
1-1/2" Flange	C
2" Flange	D
2-1/2" Flange	E
3" Flange	F
Other	O

6. Process Connection Type

ASME 150# Flange	A
Table D Flange	D
Other	O

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7. Tensioner Connection Size

3/4" Flange	1
1" Flange	2
1-1/2" Flange	3
Other	O

8. Tensioner Connection Type

ASME 150# Flange	A
Table D Flange	D
Other	O

9. Elbow Assembly Type

Standard GI Elbow Pipe Assembly	G
SS 304 Elbow Pipe Assembly	H
SS 316 Elbow Pipe Assembly	I
PP Pipe Assembly	J
Other	O

10. Guide Rope Fixing

SS 304 Plate Welded Plate	4
SS 316 Plate Welded Plate	5
SS 304 Weighted Pipe	6
SS 316 Weighted Pipe	7
PP Weighted Pipe	8
Other	O

11. U - Seal Pot

Without Seal Pot	W
With Seal Pot	U