



PETROTECH ENGINEERS

FLOAT AND BOARD LEVEL GAUGE



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FLOAT AND BOARD LEVEL GAUGE

GENERAL DESCRIPTION

Petrotech Float & board level gauge is a simple economic level measuring instrument. It consists of scale board, pointer, pulley, pulley housing, connection pipe, wire rope, float, guiding flanges, process flanges, anchor plate. Top mounting brackets & side mounting brackets are provided to mount the scale board on the outside of the tank. Connection pipe, pulley, guiding flanges are mounted on the top of the tank. Scale board is also mounted on the side of the tank. Anchor plate is fitted on the bottom of the tank. Float is set to float on the liquid level surface. Float is tied with wire rope passing through the pulleys connected to pointer which rolls on scale board. The level of liquid inside the tank is directly shown by the pointer rolling on the scale board

APPLICATION

- Chemical, petrochemical industry, Refineries
- Pharmaceutical industry
- Pressure vessels, Storage tanks
- Marine industry
- Water & waste water treatment plants
- Others (Over Ground / Gverhead Storage Tanks of water, Fire Water, DM Water, Petroleum Products like oil, LSHS, Diesel ,Lube Oils, Vegetable Oils, Silicates and Chemical Storage Tanks.)



FEATURES

- Low maintenance.
- Reliable Liquid Level Gauge Measuring System.
- Easy Installation.
- Pointer Friction.
- High – Low Switching arrangement.
- Scale fabricated in thick alluminum sheet.
- White scale with large figure.
- Radium number of meter scale.
- Also available of contact switching arrangement with float and board type level gauge.
- Also available float and rope type magnetic level indicator for pressurized tank(Vapour seal type)



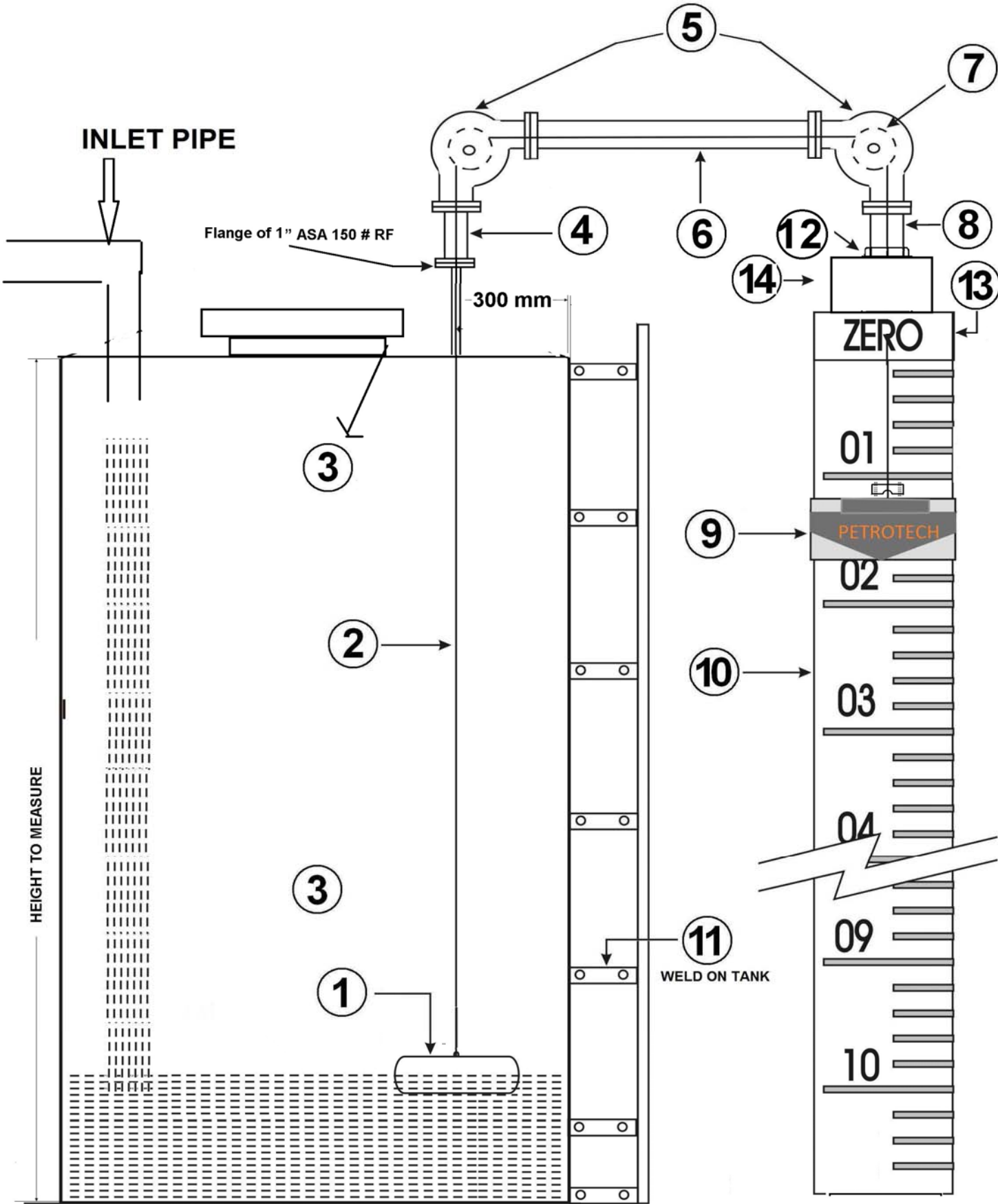
FLOAT AND BOARD LEVEL GAUGE

GENERAL SPECIFICATION

Services	: Liquid with Sp.Gr 0.7
Operating pressure	: ATM
Operating temp	: 150 Deg C SS float and 70 Deg C PP float
Range	: 20 mtrs
Type	: Guided and Unguided
Measuring Range	: Guided 8 mtrs with 200mm dia float (Accuracy - +/- 5 %) 15 mtrs with 350mm dia float (Accuracy - +/- 5 %) 20 mtrs with 400mm dia float (Accuracy - +/- 10 %) Unguided 3 mtrs with 200mm dia float (Accuracy - +/- 5 %)
Travel	: Full or Half Corresponding to Range
Float	: SS304/SS316/PP
Float guide wire rope	: SS304/SS316 1.6 mm and /PP – 3mm
Board (Scale)	: Aluminium with Powder Coated having 150 mm Width & White Back Ground & Black writing at every 10CM and Red Marking at Every Meter.
Pointer	: M.S / S.S.304 with PP Roller for Frictionless Sliding On Board.
Rope protection pipe	: M.S pipe horizontal 500 to 800 mm adjustable.
Pulley & Pulley Pin	: M.S. / S.S.304/ PP
Pulley Housing	: Aluminums / S.S.304 / S.S.316 die Cast weather Proof Enclosure of Weather Proof / PP
Guide spring Housing	: CS /PP
Anchor Plate	: SS304/SS316
Mounting Bracket	: Powder Coated MS/CS
Switch alarm (adjustable)	: Micro switch - 5A, 250VAC/24 VDC (SPDT) in ABS enclosure (IP65)
Seal pot	: CS/SS (200 / 300 mm WC (water column) oil as Sealant Liquid.)

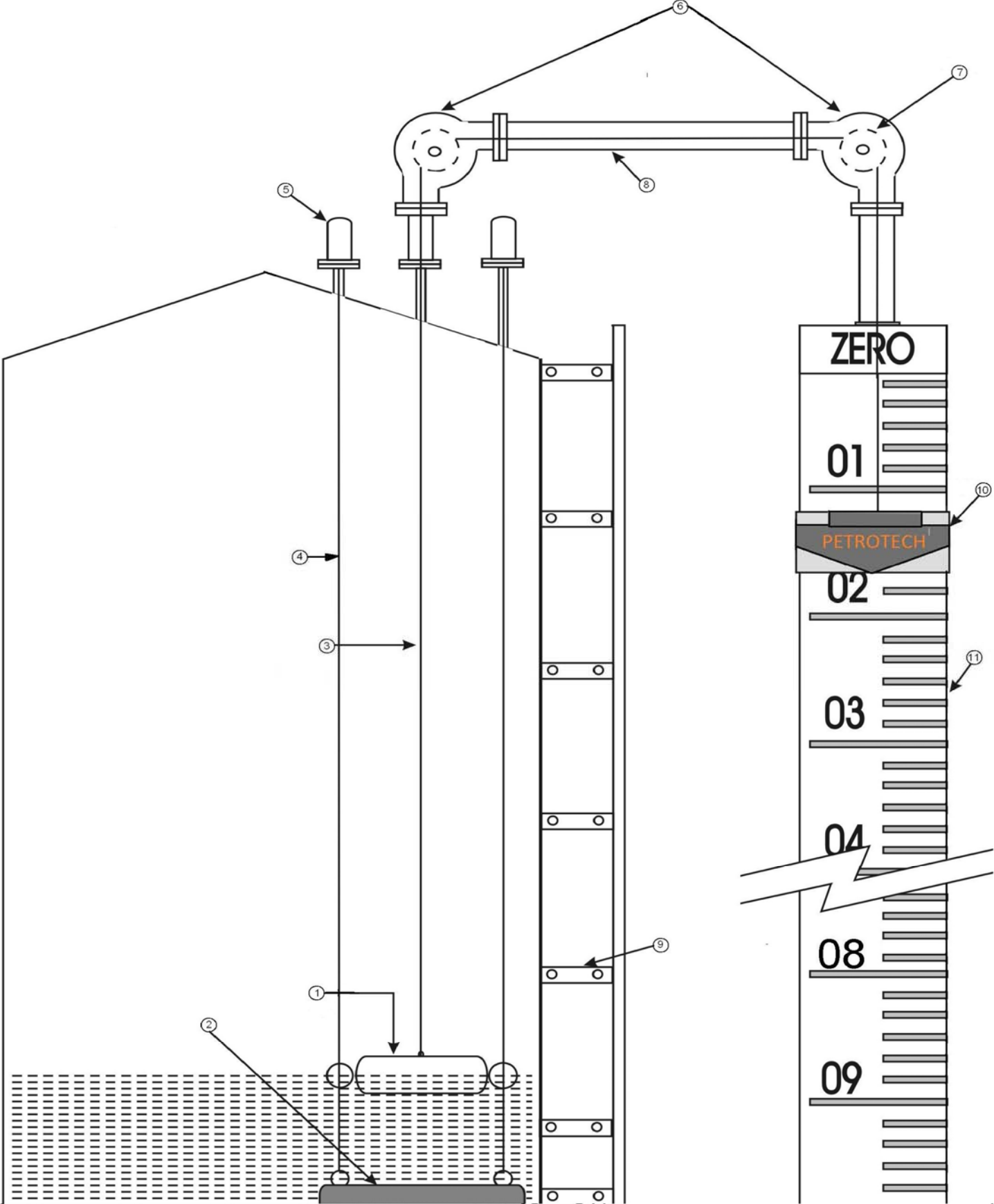
FLOAT AND BOARD LEVEL GAUGE

GA DRAWING FOR FLOAT & BOARD LEVEL GAUGE WITHOUT GUIDED WIRE



FLOAT AND BOARD LEVEL GAUGE

GA DRAWING FOR FLOAT & BOARD LEVEL GAUGE WITH GUIDED WIRE





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