



YPL LEVEL & INSTRUMENTS

FLOAT & BOARD LEVEL INDICATOR: YPL-FBLI19

Introduction

It is an accurate, reliable & trouble free float operation technique used in large non-pressurized storage tank.

Construction & Operation

Guided direct indication: it consists of a float connected to a pointer through a rope via a set of pulleys. The pointer glides over a calibrated Gauge board, positioned parallel to the tank. The float accurately follows liquid level variations in vertical direction. The horizontal float movement is restricted by two guide wires firmly anchored to tank bottom. As such, the pointer is in top position when tank is empty and in bottom position when full.

Applications: liquid storage tank having moderate turbulence and variable tank height.

Specification

Measuring Range	: 1-2 meter with \varnothing 200mm float 3-5 with \varnothing 300mm float
Float	: SS304x \varnothing 200mmx \varnothing 300mm SS316x \varnothing 200mmx \varnothing 300mm
Calibrated Gauge Board	: 6" wide aluminum board with graduations & numerical
Least Count	: 20mm
Max Temp.	: 150°C
Max Pressure	: ATM
Float Wire Rope	: SS304/SS316
Guide Wire Rope	: SS304/SS316
Installation	: Ground level tank/ overhead tank
Local Indication	
Pointer	: Powder coated red MS pointer, pointer tip indicates 'level'
Pulley Assemblies (2nos.)	: Aluminum pulley with PTFE bush
Protection Conduit	
Horizontal Limb	: GI pipe 25NB x 1000mm (adjustable)
Vertical Limb	: GI pipe 25NB x 500mm
Spring Tensioner Assy's	: Cadmium plated steel spring housed in CI enclosure
Process connection	: 1"x150# RF flange, other optional
Anchor plate	: CS, SS304, and SS316
Gauge Board Brackets	: Powder coated Aluminum
Wire fasteners	: Stainless steel



FIG. 1

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