



YPL INSTRUMENTS PVT.LTD.

REFLEX LEVEL GAUGE: YPL-RLG17

Description

THE YPL Level gauges are used for measuring the level in the vessel. These can be used for maximum pressure of upto 150kg/cm² and a Maximum temperature of 400°C. constructional features include 2.5 Meter single piece construction with multiple glasses between process Connection. A pair of auto shut off ball check valves in material of Construction carbon steel or stainless steel and polypropylene as optional.

Principal Of Operation

The principal of reflex level gauges is based on the difference in the refractive Indexes of liquid & vapor. The liquid column is contained within the recess Of liquid chamber behind the sight glass which is clamped to the gauge body. The Sight glass has prismatic right angled grooves on the side facing the liquid And vapor space light rays entering from right outside the gauge are either Absorbed or reflected depending upon whether they enter the liquid or vapor Space. When the ray of light encounters the surface of one of the grooves in vapor Space, it is reflected to the opposite space appears as silvery white. When the light Ray encounters the surface of grooves in the liquid space, it is totally absorbed Thereby the liquid behind the glass appear black.

Max temperature : 400°C

Max pressure : 150kg/cm²

Pair of valves : YPL-3000 offset Integral with bonnet with ball check arrangement.
YPL-6000 offset, design Bolted bonnet, renewable seats and ball Check arrangement.

Note: In multi sections the gap between two sections is upto 10mm.



FIGURE

Technical Specification

C-C distance	: Up to 100"; single piece liquid chamber
Chamber	: CS, SS304, SS316, polypropylene
Cover plate	: CS, SS304, SS316, and PP
Flange	: CS, SS304, SS316, PP
Valve	: CS, SS304, SS316, PP
Glass	: Toughened Borosilicate
Connection	: Flanged screwed or socket weld.
Gauge valve	: auto shut off ball check, off-set pattern Bolted or screwed bonnet.
Drain/vent valve	: Ball Type
Fasteners	: ASTM A193GrB7/A194 Gr.2H.
Option	: Anti frost extension for low temperature service heating /cooling arrangement.
Glasses size	: a) 340x30x17mm b) 280x30x17mm c) 250x30x17mm

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