



Transparent Flat Glass Level Gauge

INTRODUCTION

NK Instruments Pvt. Ltd. make Transparent Flat Glass Level Gauges are designed for safe and positive dual side visual indication of liquid level in vessels under high pressure and temperature conditions.

PRINCIPLE

The Transparent Flat Glass Level Indicators is a clear glass for visual indication and especially for interface services or where the liquid is dirty or viscous. Light striking on glass portion covered by liquid is reflected (absorbed) making this portion appear BLACK, whereas glass portion covering vapour space reflects light making it appear SILVERY - WHITE. Thus a sharp clear line marks the liquid, eliminating all possibilities of errors in reading.



GAUGE CLASSIFICATION

Low Pressure	30 Kg / cm ²
Medium Pressure	65 Kg / cm ²
High Pressure	100 Kg / cm ²

Design Data :

Gauge Glass	Tempered soda ash / Borosilicate (30W X 17mm Thk) / Tempered Borosilicate (34W X 17mm Thk)
Cushion / Gasket	CAF, CNAF, PTEF, SS304 Spiral wound with Graphite Filler & SS316 spiral wound with Graphite Filler
Body (Liquid Chamber)	CS, ASTM A-105, SS304, SS316 or PP (CS Reinforced)
Cover Plate	CS, ASTM A-105, SS304, SS316 or FRP
Bolts	CS, SS304 or A 193 Gr. B7
Nuts	CS, SS304 or A 193 Gr. B7
Process Connection Orientation	Rear / Rear or Left / Left or Right / Right or Vertical / Vertical
Isolation Valves	Offset Needle valve x auto ball check x screwed bonnet (85 Kg/cm ²)
Vent	½" NPT (BSP for PP / TEFLON MOC) plug / valve (Ball, Needle, Diaphragm, Globe, Gate as required)
Drain	½" NPT (BSP for PP / TEFLON MOC) plug / valve (Ball, Needle, Diaphragm, Globe, Gate as required)
Calibrated Scale	Polycarbonate / SS304 / Aluminum
Special Features	a) Frost Free extn.: Perspex shield with extension of 30mm b) Jacketing : Enclosure cast Al, WP IP 65 or Ex -proof Gr. IIA & IIB or IIC
Note	Longer C-C Distance are provided in 2 chambers couple with flange coupler

CONTACT DETAILS

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NK Instruments Pvt. Ltd.



Process Control Instruments for Indication and Control of:

PRESSURE

VACCUM

DP

FLOW

VELOCITY

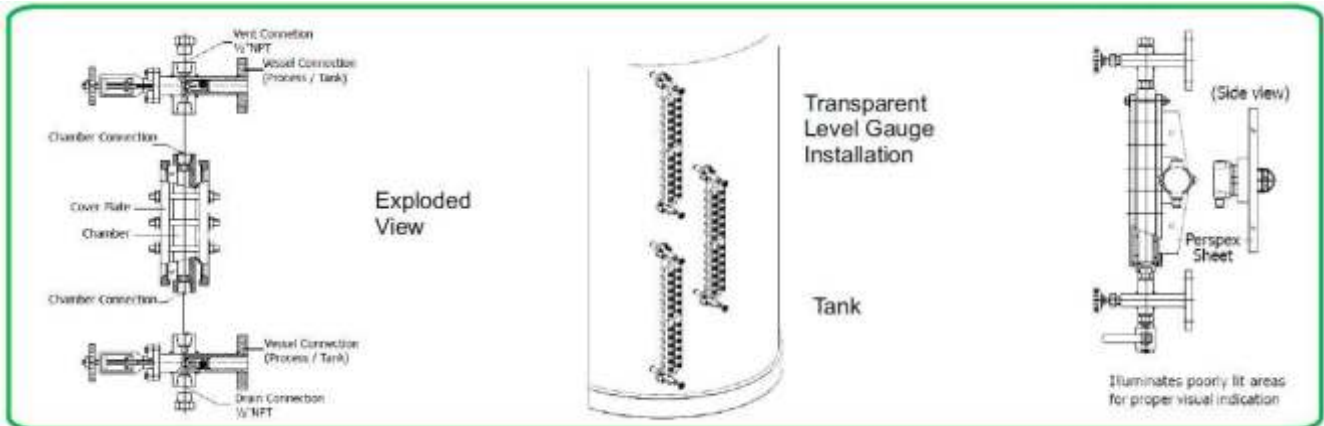
LEVEL

TEMPERATURE

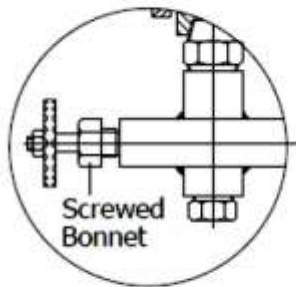
CONDUCTIVITY

pH

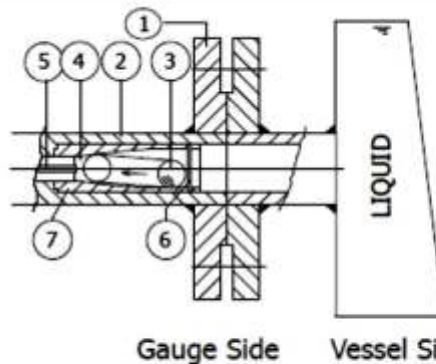
VIBRATION



Screwed Bonnet



Isolating Valve Bonnet

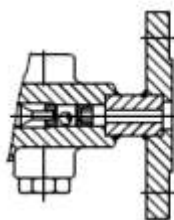


- 1) Process Flange
- 2) Neck
- 3) Ball
- 4) Orifice
- 5) Needle
- 6) Ball stopper
- 7) Capsule

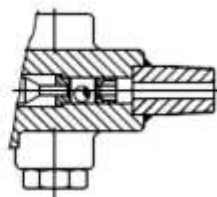
Gauge Side Vessel Side

Function Of Auto Ball Check

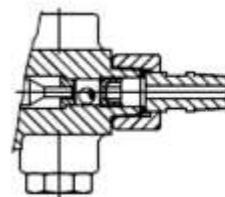
1) Flanged



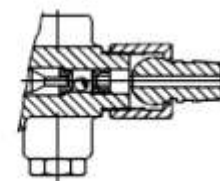
2) Male Screwed Shank



3) Male Screwed Union



4) Male Sph. Union



Process (Vessel) Connections

Continuous efforts for product development may necessitate changes in these details without notice

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