



## Reflex Level Gauge

### INTRODUCTION

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

### PRINCIPLE

The NK Instruments Reflex flat glass Level Gauge has precision moulded prismatic grooves cut on inner surface, which comes in contact with liquid. 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 <sup>2</sup>
Medium Pressure	65 Kg / cm <sup>2</sup>
High Pressure	100 Kg / cm <sup>2</sup>



### Design Data :

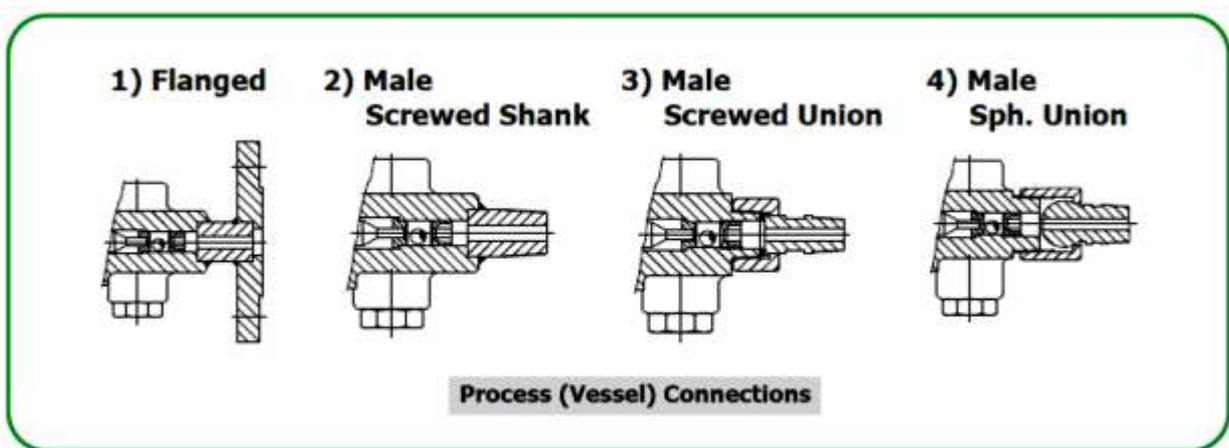
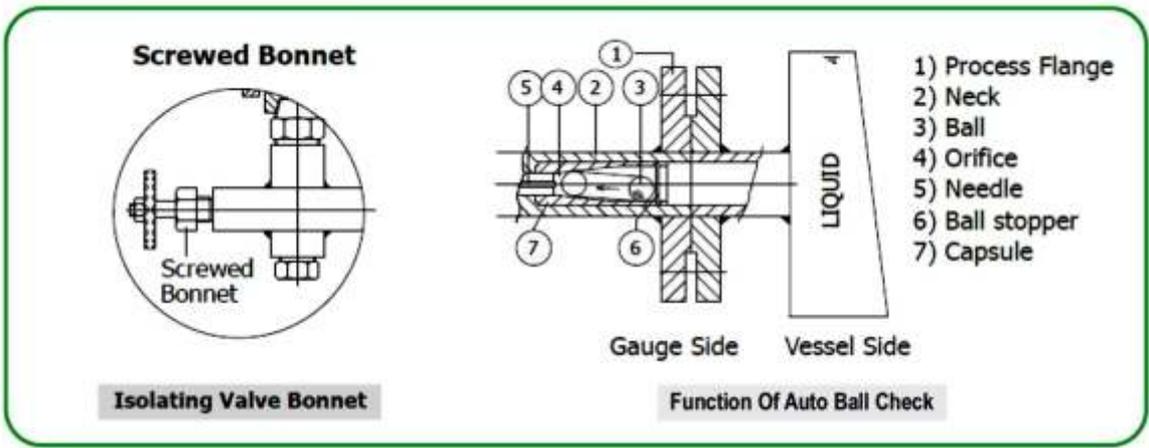
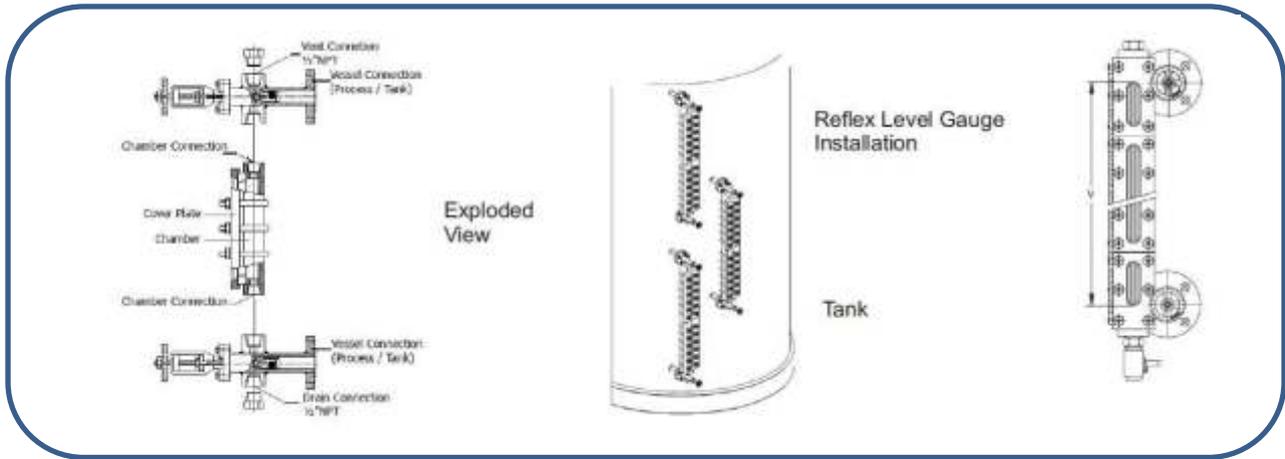
<b>Gauge Glass</b>	Tempered soda ash / Borosilicate (30W X 17mm Thk) / Tempered Borosilicate (34W X 17mm Thk)
<b>Cushion / Gasket</b>	CAF, CNAF, PTEF, SS304 Spiral wound with Graphite Filler & SS316 spiral wound with Graphite Filler
<b>Body (Liquid Chamber)</b>	CS, ASTM A-105, SS304, SS316 or PP (CS Reinforced)
<b>Cover Plate</b>	CS, ASTM A-105, SS304, SS316 or FRP
<b>Bolts</b>	CS, SS304 or A 193 Gr. B7
<b>Nuts</b>	CS, SS304 or A 193 Gr. B7
<b>Process Connection Orientation</b>	Rear / Rear or Left / Left or Right / Right or Vertical / Vertical
<b>Isolation Valves</b>	Offset Needle valve x auto ball check x screwed bonnet (85 Kg/cm <sup>2</sup> )
<b>Vent</b>	½" NPT ( BSP for PP / TEFLON MOC) plug / valve (Ball, Needle, Diaphragm, Globe, Gate as required )
<b>Drain</b>	½" NPT ( BSP for PP / TEFLON MOC) plug / valve (Ball, Needle, Diaphragm, Globe, Gate as required )
<b>Calibrated Scale</b>	Polycarbonate / SS304 / Aluminum
<b>Special Features</b>	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
<b>Range</b>	Minimum 300 mm up to 3 meters
<b>Note</b>	Longer C-C Distance are provided in 2 chambers couple with flange coupler

### CONTACT DETAILS

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