Magnetic, Liquid Level Gauge-MLG

It is commonly used for visual level indication of liquids, which attack glass or are hazardous, flammable, toxic, aggressive, agitated, contaminated and under high temperature & pressure i.e. for services, where glass gauges are unsafe.

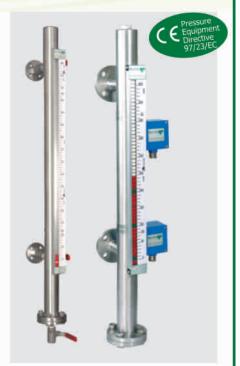
Features:

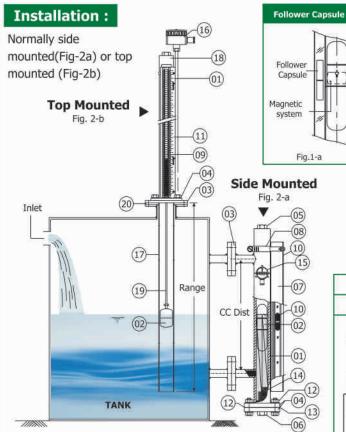
- Rugged gland less construction to provide safety in handling toxic, flammable & highly corrosive liquid.
- Suitable for glass attacking liquid, where conventional gauge glass can not be
- Option of providing continues transmitter for remote indication & control and adjustable level switch for alarm & control.

Construction & Operations:

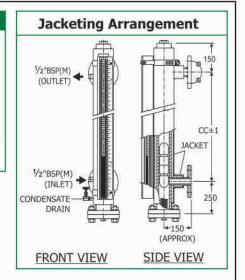
It consists of a chamber and an internal float in non-magnetic material, compatible with the liquid. The float containing a magnetic system rides on the liquid level and is coupled to an external visual indicator, which comes in two options. The simpler & economical design consists of a RED magnetic follower capsule, that moves within a glass tube filled with water (to reduce friction) (fig. 1-a) and can be read against a scale. The other system is expensive and consists of a series of bicolour flappers. WHITE on front side and contrasting RED on the reverse. These flappers rotate corresponding to float movement, thus changing their colour from WHITE to RED as the float rises and vice-versa when the float falls. As such the liquid level represented by an external RED column (fig.1-b).

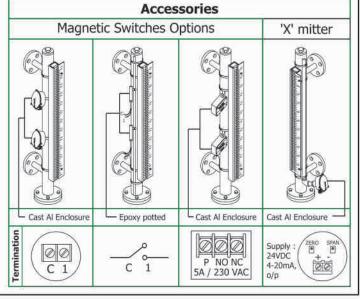






- 11) Calibrated Scale
- Nuts, Bolts & Washer 12)
- Gasket 13)
- Float Retainer (Spring) 14)
- 15) Switch (Ajustable)
- 16) 'X' Mitter
- 17 Perforated Steel Well
- Magnetic Chamber 18)
- 19) Stem
- 20) Still Well Flange





Rotary Flappers

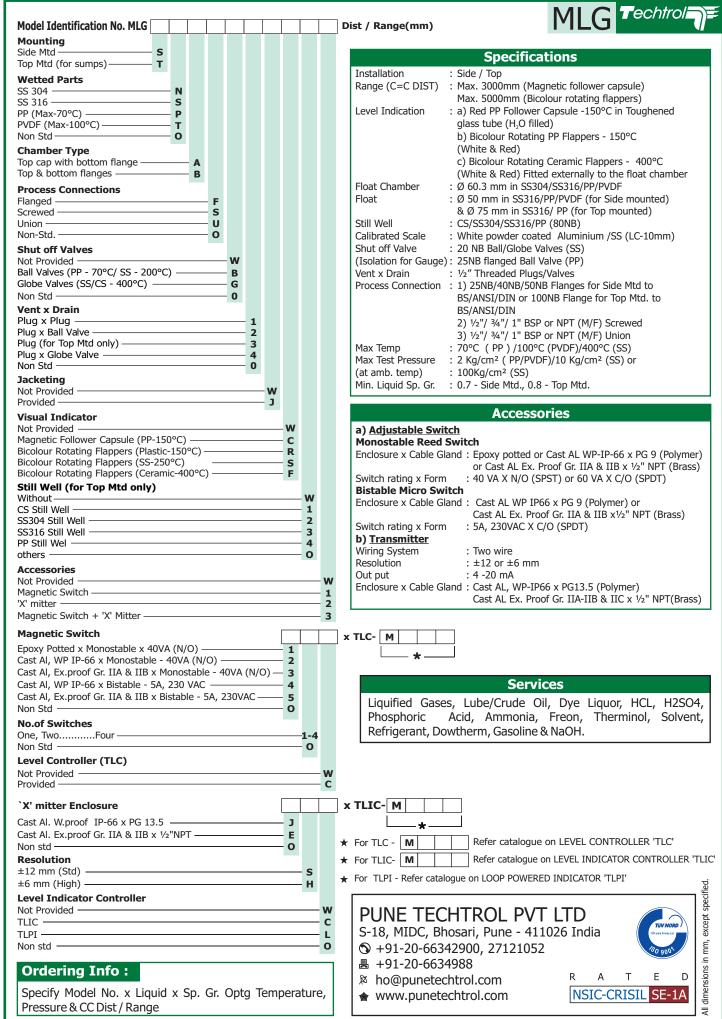
Fig.1-b

Bicolour

flappers

Magnetic system

- 01) Liquid Chamber
- 02) Float
- Process Flange 03)
- Chamber Flange 04)Vent Plug
- 05)
- Drain Plug 06)
- 07) Local Indicator Housing
- 08) Indicator mtg. clamps
- 09) Local Indicator Flappers
- 10) Local Indicator (Follower Capsule)



Custom built spec./options available on demand.