

MAGNETIC LEVEL INDICATOR

SERIES : SC / L - 101

Magnetic Level Indicator operates on principles of magnetic field coupling, to provide fluid level information. Float chamber is typically constructed with non magnetic pipe having process connection that matches to the vessel connections. Float size and weight is determined by the process fluid, pressure, temperature and the specific gravity of process fluid. Float contains magnets to provide 360° magnetic flux field

BI-COLOUR FLAPPER DESIGN

Indicator system consists of Bi-Colour Flapper equipped with magnets mounted on rail inside the housing. As the level starts rising or falling magnetic Float also travels with liquid level in non magnetic chamber. The magnetic interaction between magnets in Float and Bi-Colour Flapper causes each Flapper to rotate 180°.

FOLLOWER CAPSULE DESIGN

Indicator system consists of colour Follower Capsule which moves in glass tube inside the housing. As the level starts rising or falling, magnetic Float also travels with liquid level in non magnetic chamber. The magnetic interaction between magnets in Float and Capsule causes Capsule to travel along with magnetic Float.

For application where high and low electrical signals are required adjustable limit switch assemblies are provided. In application where continuous output is required, Reed transmitter are supplied.

TECHNICAL SPECIFICATION

Mounting Type	Top / Side
Indicator length (C/C distance)	300 to 6000 mm
Indicator system	Bi-colour Flapper / Follower Capsule
Housing for Indicator	SS Housing for SS Flapper, Aluminum Housing for Aluminum Flapper Follower Capsule - Glass Tube in Aluminum/SS Channel
MOC of Bi-Colour Flapper	SS 304 / Aluminum
Float Chamber	SS 304. SS 316, SS 316L, PP others on request.
Float	SS 304. SS 316, SS 316L, PP others on request.
Scale	Aluminum / SS / Acrylic Engraved in mm
Process Connection	Flange / Thread / Triclover
Vent	½" Plugged / ½" Ball valve
Drain	½" Plugged / ½" Ball valve
Maximum Temperature	180° C for PP, 150° C for SS.
Maximum Pressure	2 kg/cm ² for PP, 10 kg/cm ² for SS more pressure on request.



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