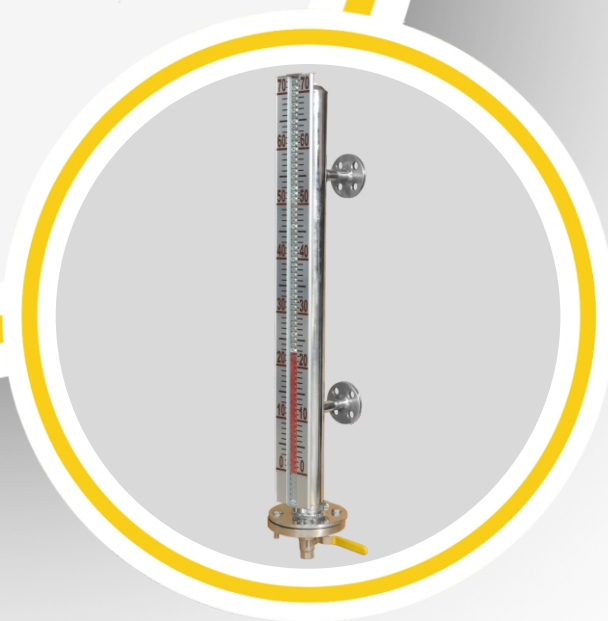
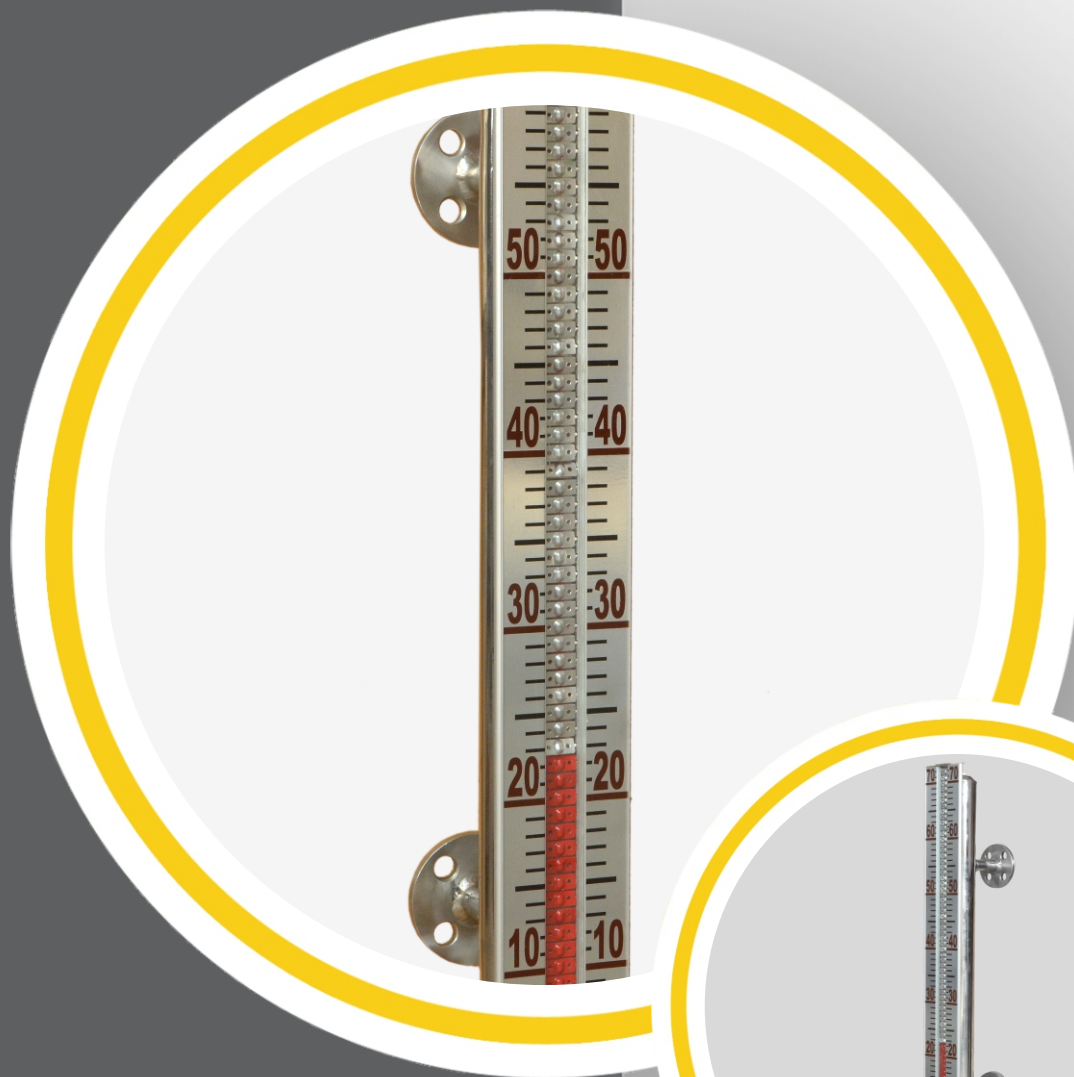


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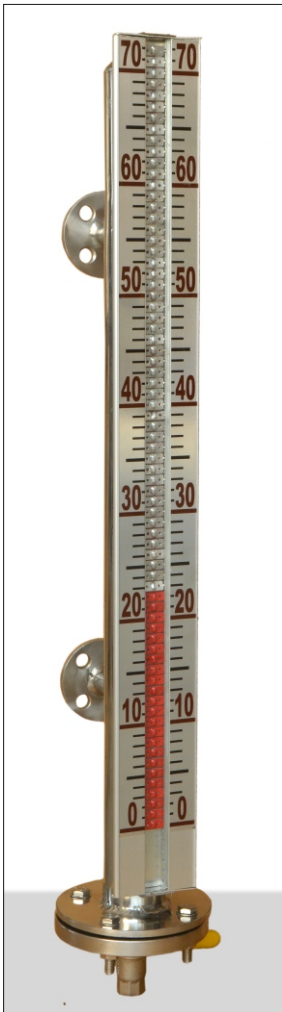
MAGNETIC LEVEL INDICATOR

MODEL: SC / L - 100

LEVEL

MAGNETIC LEVEL INDICATOR

MODEL : SC / L - 100



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

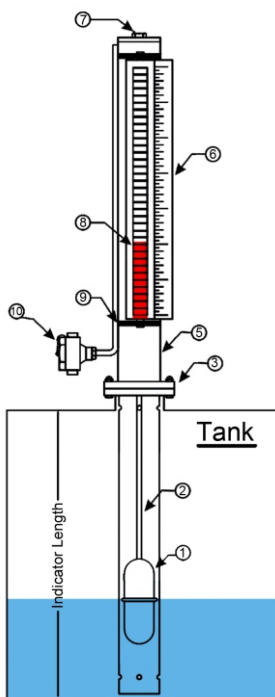
Indicator system consists of Bi-Colour Flapper equipped with magnets mounted on rail inside the housing. As the level starts rising or falling magnetic Float also travels with liquid level in non magnetic chamber. The magnetic interaction between magnets in Float and Bi-Colour Flapper causes each Flapper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

FOLLOWER CAPSULE DESIGN

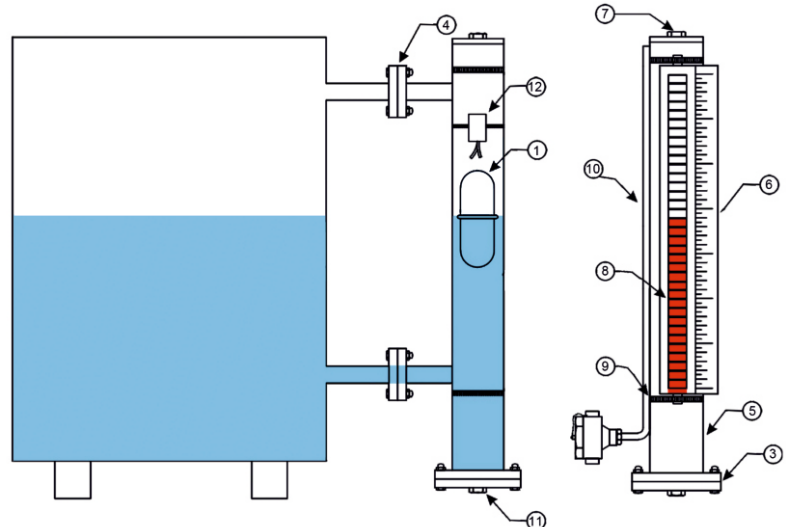
Indicator system consists of colour Follower Capsule which moves in glass tube inside the housing. As the level starts rising or falling, magnetic Float also travels with liquid level in non magnetic chamber. The magnetic interaction between magnets in Float and Capsule causes Capsule to travel along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

Top Mounted Type
(MODEL : SC / L - 101)



Side Mounted Type
(MODEL : SC / L - 102)



Detail View of Indicator

Sl. No.	Part	Sl. No.	Part
01	Float	07	Vent Plug
02	Float Rod	08	Flapper
03	Chamber Flange	09	Mounting Clamp
04	Process Connection	10	Level Transmitter
05	Float Chamber	11	Drain Plug
06	Scale	12	Level Switch

ENGINEERING SPECIFICATION

Mounting Type	:	Top / Side
Indicator Length (c/c Distance)	:	300 To 6000mm
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
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/cm² for PP, 10 kg/cm² for SS more Pressure on Request.

MODEL SELECTION

Suffix Code	1	2	3	4	5	6	7	8	9	10	11	12	13	Parameters
Model	SC/L-101													Top Mounting Type
	SC/L-102													Side Mounting Type
C/C Length		XX												300-6000mm (Other on Request)
Indicator System			BF											Bi-Colour Flapper
			FC											Follower Capsule
Housing For Indicator				H1										SS Housing for SS Flapper
				H2										Aluminum Housing for Aluminum
				H3										Glass Tube in Aluminium
				H4										SS Channel
MOC of Bi-Colour Flapper					FL1									SS 304
					FL2									SS 316
					FL3									Aluminum
Float Chamber						FC1								SS 304
						FC2								SS 316
						FC4								SS 316L
						FC6								PP
						FCX								Other on Request
Float							F1							SS 304
							F2							SS 316
							F4							SS 316L
							F6							PP
							F5							Other on Request
Scale								S1						Aluminum
								S2						Stainless Steel
								S3						Acrylic Engraved
Process Connecion									F					Flanged
									T					Thread
									TC					Triclover
Vent										V1				½" Plugged
										V2				½" Ball valve
Drain											D1			½" Plugged
											D2			½" Ball valve



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