

# Techtrol Chamber Float Type Magnetic Level Switch - CFS

A versatile magnetic level switch with Bistable action for sumps / over head tanks.

## Salient Features :

- Bistable switch action.
- Single or Double switching capability
- Suitable for Internal, External or Inline installation
- Option of sealed Micro switch

## Construction & Operation (Fig. 1 & 2) :

A Dipstick float carrying a magnet coupler at its top end, is housed in a Chamber. It rises & falls with changing liquid level and the corresponding movement of our unique magnetic system, in the seal pipe, makes or breaks contacts, in the enclosure, to provide full proof bistable action.

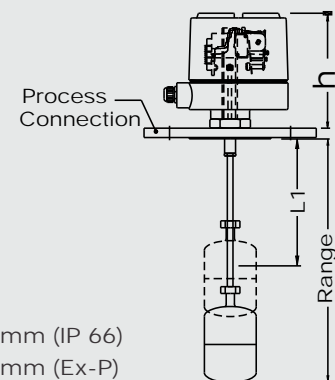
## Specifications :

Enclosure x Cable Gland	: Cast Al, IP 66 x PG11 (Polyimide) Ex-P IIB or IIC x 1/2" NPT (Brass)
Dipstick Float	: Ø75mm, SS304, SS316 or PP
Chamber	: CS, CS(A-106), SS304, SS316 or PP
Process Connection	: Flanged / Screwed
Switch Flange	: CS, CS (A-105), SS304, SS316, PP
CCD / Range	: 200 to 400 mm
Set points	: 2Nos (max)
Control Range	: Max. 150 mm (approx)
Switch Type / Action	: Micro switch with bistable action
Switch Contacts	: 5A@250VAC x 2SPDT (DPDT)
Ope. Differential	: 15 ±5mm (fixed)
Accuracy	: ±5mm
Max. Temperature	: 200°C / 300°C (on demand)
Amb Temperature	: 80°C
Max Test Pressure	: 10 Kg/cm <sup>2</sup>
Min Liquid Density	: 0.8 Kg/cm <sup>3</sup>
Installation	: Internal, External or Inline
Drain	: 1/2" NPT Plug

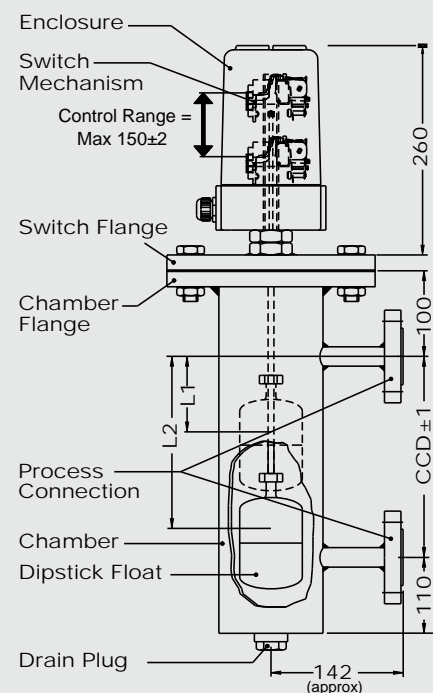


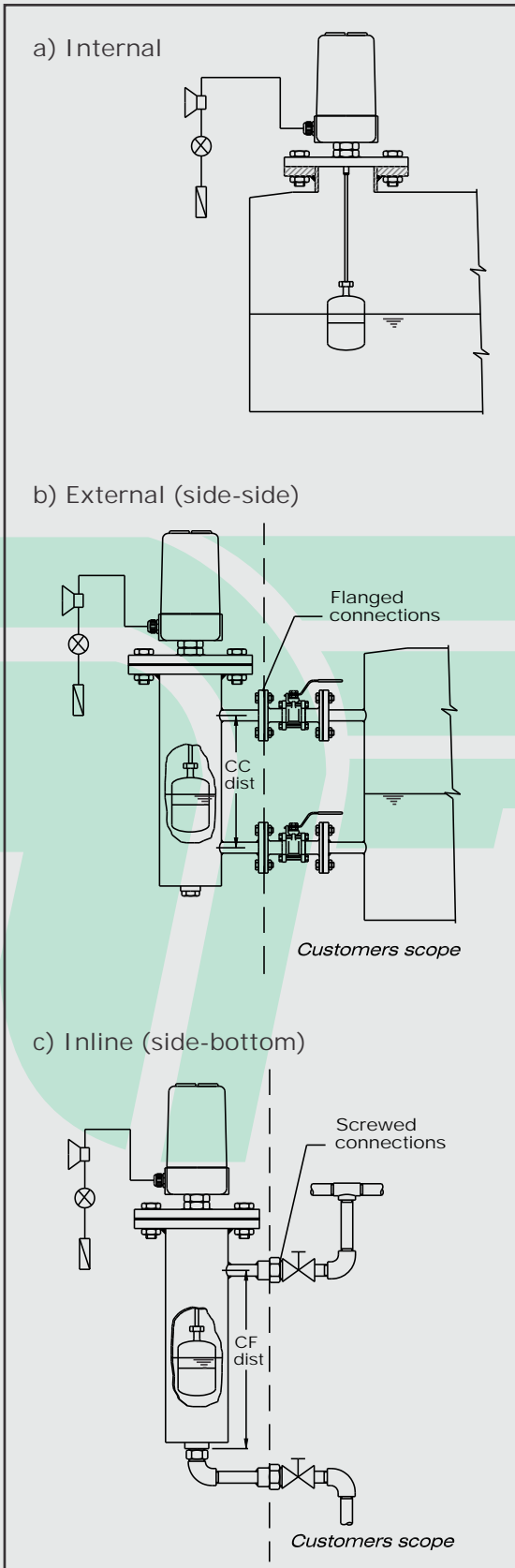
## Construction :

Single Set Point w/o Chamber Fig. 1



Dual Set Points with Chamber Fig 2





Model Identification :

	CFS -
Enclosure	
Cast Al, IP 66	J
Cast Al, Ex-P IIB	E
Cast Al, Ex-P IIC	F
Others	O
Dipstick Float MOC	
SS304	N
SS316	S
PP	P
Others	O
Chamber	
Not provided	W
CS	M
CS (A-106)	C
SS304	N
SS316	S
PP	P
Others	O
No of Preset Levels	
One	1
Two	2
Installation	
Internal	1
External (side-side)	2
Inline (side-bottom)	3
Others	O
Process Connection	
80 NB, ANSI 150# Flange (Internal)	T
25 NB, ANSI 150# Flange (External / Inline)	F
1" NPT(F) Screwed (External / Inline)	S
Others	O

Applications :

Separators, Storage tanks, Drainage systems, Heat exchangers, Boilers, Concentrators scrubbers and compressor cleaning systems.

Ordering Information :

Model No, Liquid & its density x Optg. Temp & Pressure x Set points x CC Dist/Range