

# FLOAT OPERATED MAGNETIC LEVEL SWITCHES

Buoyant force of the liquid on the float is used for movement of the permanent magnet closer to or further away from reed switch and initiates the switching function of high and low level. The unique feature of reed switch technique is adapted. Product technique, concept, merit, quality and unparalleled reliability are the underlying reasons for enviable performance record.

## SPECIAL FEATURES

- ❑ Safe & reliable magnetic coupling
- ❑ Glandless - No seal, no spring & no diaphragm
- ❑ Self lubricating PTFE washer for friction free operation
- ❑ 1 ½" NPT or flanged mounting
- ❑ Shock & vibration effect minimum

## OPTIONS

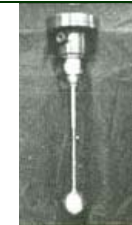
- ❑ External-Cage - (Carbon Steel, MSRL & Stainless Steel)
- ❑ Wide variety of IS/ANSI/BS/DIN/JIS flanges
- ❑ Higher Differential/Adjustable Differential
- ❑ IBR

## APPLICATIONS

- ❑ Interface detection:
- ❑ High/Low level alarm Day storage tanks
- ❑ Process vessels
- ❑ Explosion proof areas
- ❑ Other applications



**7000S**



**1300F**



**1200F**



**1300F**



**7000**

## TECHNICAL SPECIFICATIONS

### MODEL 7000

Type	- Magnetically coupled float type
Working Principle	- Attraction
Material Float, Body, Wetted Parts	- AISI 304 SS / AISI 316 SS / PVC / Polypropylene / Teflon / Ebonite, etc.
Switch Cover	- Cast Aluminium / PP Weatherproof as per IP- 55/65/66/67, anticorrosive painted
Mounting	- Vertical
Process Connection	- Flanged 1½ " to 6" or screwed as per ANSI, DIN, JIS, BS, IS standard
Signalisation	- Hermetically sealed glass encapsulated Reed Switch
Contact Form	- NO / NC, 1NO +1NC, 2NO + 2NC
Contact Rating	- 1A, 230V AC, 0.25A 240V DC, 5A 230V AC
Electrical Connection	- ¾ " ET, 1" ET, ½ " NPT, ¾ " NPT, 1 " NPT, etc.
On - Off Differential	- 12 + 2 mm (Fixed) / 6 ± 2 mm (fixed)
Adjustable Set Point	- Max. 250 mm in step of 25 mm
In Build Guide Pipe Around Float Arm	- ½ " NB / 1 " NB
Max. Signalisation Height	- 5 metres
Max. Working Pressure	- 100 Kg / cm <sup>2</sup>
Max. Working Temperature	- 520° C
Specific Gravity	- 0.55 to 1.5

### MODEL - 1200 F

Specification same as Model - 7000 except,

Switch Cover - Cast Al. Alloy LM 6 approved by CMRI Dhanbad for group IIA & Group IIB gases as per IS : 2148 – 1981 for flame proof / weatherproof IP - 65 as per IS : 2147 - 1962

### MODEL - 1300 F

Specification same as Model - 7000 S except,

Switch Cover - Cast Al. Alloy LM 6 approved by CMRI Dhanbad for group IIC gases as per IS : 2148 – 1981 for flame proof / weatherproof IP - 65 as per IS : 2147 - 1965



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