

MAGNETIC LEVEL SWITCHES

The Float assembly carries with it a permanent magnet, which is opposed by a similar magnet in the switch assembly. The adjacent poles of the two magnets are arranged so that they repel each other. It is this principle, which is employed to change over the contacts with a snap action.

SPECIAL FEATURES

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

OPTIONS

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

APPLICATIONS

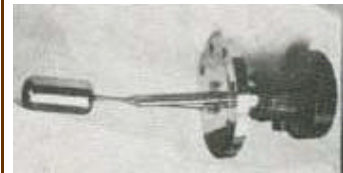
- ❑ Interface detection.
- ❑ High/Low level alarm Day storage tanks
- ❑ Process vessels
- ❑ Explosion proof areas
- ❑ Other applications



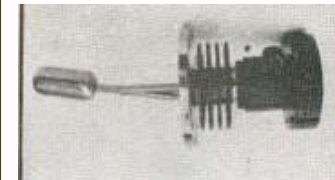
Model – 3000FS



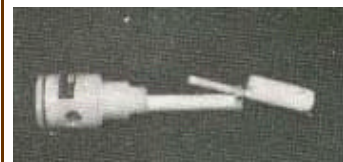
Model - 3000F



Model – 1110F



Model – 1000F



Model – 6000S

TECHNICAL SPECIFICATIONS

SERIES - 3000 F

Type	- Magnetically coupled float type
Working Principle	- Repulsion
Mounting	- Horizontal
Material of construction for float-body & welded parts	- AISI 304SS / AISI 304 SSL / AISI 316SS / AISI 316SSL/ PVC / polypropylene / Teflon / Ebonite etc.
Switch Cover	- Cast Aluminum / PP weatherproof as per IP - 55 / 65 / 66 / 67, anticorrosive painted
Process Connection	- Flanged 1½" NB to 6" NB as per IS/ ANSI/ BS/ DIN /JIS standard Standard Size : OD - 120 mm, PCD - 92 mm Thickness - 12 mm Hole Dia - 14 mm (off centre) No. of Holes - 4
Signalisation	- Hermetically sealed glass encapsulated Reed Switch / Micro Switch or Air Break Switch
Contact Form	- NO / NC, 1NO +1NC, 2NO + 2NC
Contact Rating	- 5A 230V AC or 0.25A, 220 V DC
Electrical Connection	- ¾" ET, 1" ET, ½" NPT, ¾" NPT, 1" NPT
On – Off Differential	- 12 ± 2mm (upto 350 mm in case of adjustable differential models)
Max. Pressure	- 400 Kg / cm ²
Max. Temperature	- 550° C
Specific Gravity	- 0.55 to 1.5

SERIES - 6000 S

Specifications same as model 3000F except

Process Connection: ½" NPT (M) to 2½" NPT (M)

MODEL - 1000F

Specification same as Model-3000F, 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 - 1110 F

Specification same as Model - 3000F, 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 - 1962.



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