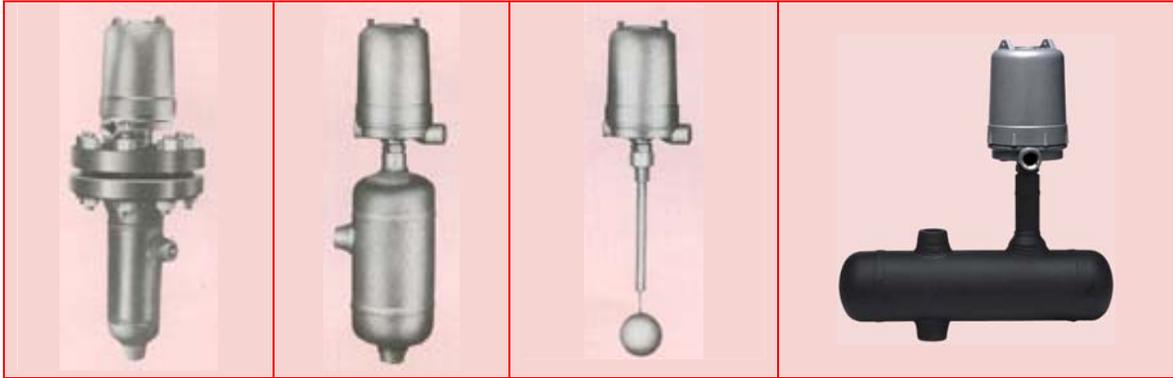


FLOAT OPERATED MAGNETIC LEVEL SWITCH

All controls have been designed using modular concept. Standard assemblies may be incorporated in a wide variety of arrangements to meet virtually any control application allowing maximum interchangeability of assemblies. DK'S unique engineering & manufacturing capability handles your special process requirements promptly with out long delays at an economical cost.



OPERATING PRINCIPLE

The basic operation principle for magnetic switch action results from a change in liquid level, which moves a magnetic attraction sleeve (SS410/MS) into the field of an externally located 'U' magnet, thus overcoming the force of the bias spring & actuating the switching element.

SALIENT FEATURES

- Single & multiple switch model.
- External adjustment range.
- Robust construction.
- Threaded, Flanged or Socket weld connections.
- Choice of switches: - Micro Switch / Reed Switch / Mercury Switch / Air-Break Switch.

APPLICATIONS

These reliable instruments are ideally used for on – off liquid level control, alarm & safety shut-down service in a wide variety of application including large steam-electric generating stations, oil refineries & chemical processing operations

TANDEM FLOAT OPTION

Tandem float design combines two separate narrow differential switch functions in one Level Switch. This option can also be offered with sealed or flanged top external cage in addition to a flanged top-mounting model.

STANDARD SPECIFICATIONS

Model	: 8000F
Type	: Magnatically coupled float type.
Working Principle	: Attraction.
Material of Construction - for float & wetted parts	: AISI 304 SS / AISI 304 SSL / AISI 316 SS / AISI 316 SSL / PVC / Polypropylene / Teflon / Ebonite etc.
Switch Cover	: Cast Al. weatherproof as per IP-55 / 65 / 66 / 67, anticorrosive painted.
Process Connection	: Flanged 1½" to 6" As per ANSI, DIN, JIS, BS, IS Standard or screwed
External Cage Connection type	: Flanged / Socket Welded / Screwed.
Signalisation	: Micro Switch /Mercury Switch / Reed Switch / Air Break Switch.
Contact Form	: 1 NO + 1 NC, 2 NO + 2 NC.
Contact Rating	: 5A, 240/110V AC, 0.25A, 220V DC, 1A, 240/110V AC, 10A, 240V AC
Electrical Connection	: ¾" ET, ½" NPT, ¾" NPT, 1" NPT, etc
On – Off Differential	: 12 mm ± 2 mm (fixed). OR 12 – 25 MM ± 2 MM (Adjustable)
Accuracy	: ± 1 %.
Set Point	: Adjustable.
No. of Set Point	: Single / Double / Triple / Quadruple.
Max. Signalisation Height	: 3 metre.
Max. Working Pressure	: 200 Kg/cm².
Max. Working Temperature	: 540°C.
Specific Gravity	: 0.55 to 1.5

FLAME PROOF TYPE (SPECIFICATIONS SAME AS ABOVE)

Model	: 1200F
Switch Cover	: Cast AL. Alloy LM-6 approved by ERTL (E) / CMRI, Dhanbad for group IIA & IIB gases as per IS : 2148 - 1981 & Weatherproof to IP-66 as per IS:13947

Model	: 1300F
Switch Cover	: Cast AL. Alloy LM-6 approved by ERTL (E) for group IIC gases as per IS: 2148- 1981 & Weatherproof to IP-66 as per IS:13947.

OTHER SPECIAL FEATURES

- External Chamber – Carbon / Alloy Steel, MSRL, SS, PVC, PPE.
- Radiating fins for high temperature application
- Higher Differential.
- IBR.
- Special Models on request.



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