

REVATHI ELECTRONICS & CONTROLS

ITEM : 2

ITEM : ECONOMICAL TOP MOUNTED FLOAT OPERATED LEVEL SWITCH USED BY DIESEL GEN SET MANUFACTURERS REF. OUR G. A. DRG.NO.RTMFLS-2001-WP-DG (OR) RTMFLS-2002-WP-DG

PRINCIPLE OF OPERATION :

This system has a top mounted flange to which a single stem is welded on top. Floats are fabricated out of stainless steel or polypropylene. These floats enclose Alnico magnets inside. Magnets are not in contact with liquid service. The floats lie in between end stops. The actuation points are factory set. It can be adjusted also. Inside the single stem the magnetic switches are fixed. These magnetic switch are hermetically sealed, inert gas filled and contacts are gold plated. When this level rises above the actuation point the float which buoys up alongwith the level rise actuates the magnetic switch which is kept inside the stem. The closure of the switch can operate a contactor or relay to indicate the level rise or decrease.

DETAILS OF SEALED MAGNETIC SWITCH :

The basic switch used in all cases will be of imported origin and sealed type. The switch used us hermetically sealed inert gas filled magnetic switch with gold plated contacts of the following specifications.

MATERIAL SPECIFICATION

1. Type

2. Switch type

3. Mounting

4. Material of wetted parts

5. Material of flange

6. Mounting flange dimensions mm

7. No. of floats

8. Stem length from bottom of the flange

9. High & Low level actuation point from bottom of the flange

10. Adjustable

11. Clearance

12. Service

13. Op Press  $\text{Kg/Cm}^2\text{g}$  / Temp  $^{\circ}\text{C}$  / Sp. Gr.

14. Contact Form

15. Contact rating

16. Quality

17. DELIVERY
- : Top mounted float type Level Switch meant for D. G. sets fuel tanks

: Magnetic

: Fuel tank top

: Stem:SS 316, Floats:PP, End Stoppers:Brass plated

: CS

: OD : 90, PCD : 75, No. of holes : 4 nos. of 8  $\phi$ , Thickness : 6.0, Central hole : 55  $\phi$  ID

: 2 Nos. (HI&LO) or 1 NO. (HI or Low)

: Mentioned below

: Mentioned below

: The switches are adjustable over the entire stem length to have various level actuation points.

: Clearance between float & stem is quite enough to have free floating inspite of desposition of material

: Diesel

: ATM / AMB / 0.9

: 1 No. DPST (for Low Level) ie. 2 Nos. SPST  
1 No. SPST (for High Level)

: 12 / 24 VDC 0.5 A supplied with 3500 mm long flexible cable.

: To mention

: EX-STOCK SUBJECT TO PRIOR SALE

