

**ITEM NO. : 9****ITEM : SIDE MOUNTED FLOAT TYPE LEVEL SWITCH FOR LOW OIL LEVEL  
MEASUREMENT EQUIVALENT TO SIKA GERMAN WITH SS FLOAT  
REFER OUR G. A. DRG. NO. RSMFLS-1031-SSF****PRINCIPLE OF OPERATION :**

This instrument has a side mounted screwed process conn. of  $\frac{3}{4}$ " BSP (M). Float is fabricated out of Stainless Steel. This switch has got an alnico magnet inside. Magnet is not in contact with the liquid service. The actuation point is factory set. By the side of the Level Switch the magnetic switch is fixed. This magnetic switch is hermetically sealed, inert gas filled and contacts are gold plated.

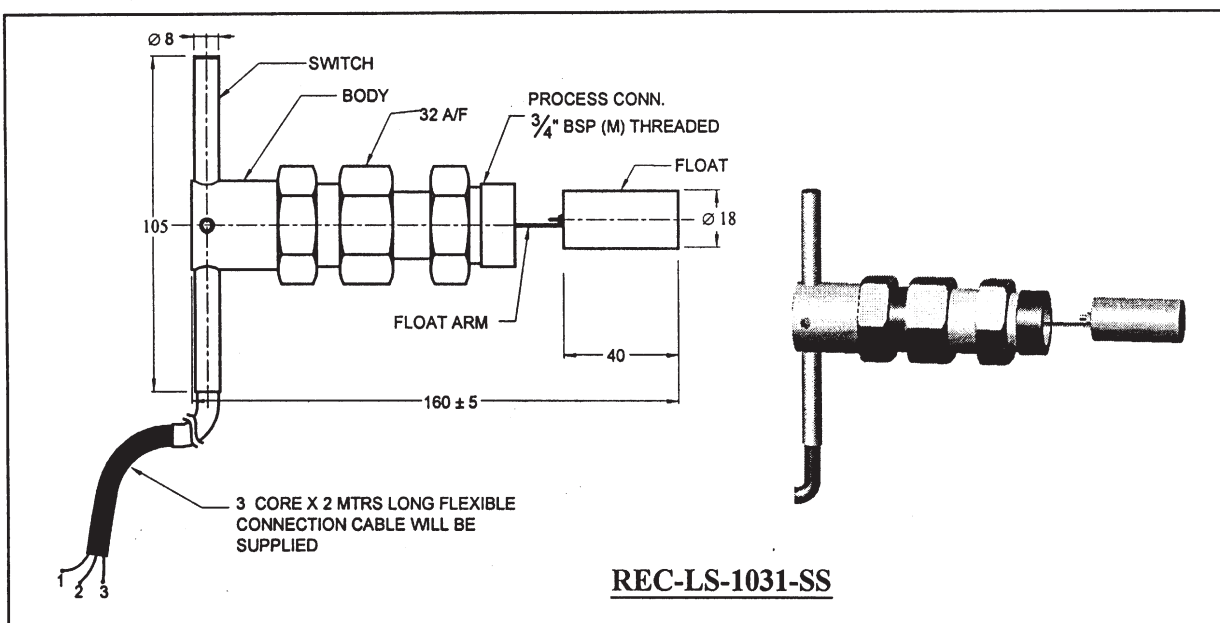
When the level rises above the actuation point the float buoys up alongwith level rise and actuates the magnetic switch, which is kept sealed inside the switch housing. This switch is completely isolated and they do not come in contact with liquid. The closure of the switch can operate a contactor or relay to indicate the level rise or decrease.

**ADJUSTMENT OF THE SWITCHING UNIT**

- 1) First of all it has to be defined whether normally open or normally closed operation is required. Now the locking screw has to be released and the switching unit has to be moved, so that the normally open operation or normally closed operation is located at the input of the cross drilling.
- 2) The switching point is adjustable within the normally closed operation or normally open operation, after the adjustment the locking screw has to be fastened again.
- 3) Unless otherwise requested the contacts are set for normally closed operation ie. the contacts are closed when the liquid level is high enough. By adjustment of the position of the switch housing normally open operation can be achieved.

**MATERIAL SPECIFICATIONS:**

- |     |   |   |   |
|-----|---|---|---|
| 1)  | Item  | : | Float Type Level Switch For Low Oil Level Measurement   |
| 2)  | Make / Type   | : | "Revathi" equivalent to SIKA VH -600  |
| 3)  | Service   | : | Oil   |
| 4)  | Op Press $\text{kg/Cm}^2\text{g}$ / Temp $^{\circ}\text{C}$ / Sp. Gr. | : | ATM / AMB - $200^{\circ}\text{C}$ / 0.8   |
| 5)  | Function  | : | The float movement of the level switch will be transmitted through a solid-non-magnetic poles. Thus, the float movement will impart a snap action to the electric switch element. |
| 6)  | Float material  | : | Stainless steel   |
| 7)  | Switch housing material   | : | Brass   |
| 8)  | Length of the float   | : | 40 mm from tank entry   |
| 9)  | Process connection  | : | $\frac{3}{4}$ " BSP (M) Adaptor   |
| 10) | Output  | : | Contact.  |
| 11) | Contact rating  | : | 230 VAC 5 Amps (surge) 60 VAW 1 No. SPDT. This switch can directly operate. 110 / 230 VAC Siemens size 1 or L&T contactors.   |
| 12) | Qty.  | : | To Mention  |

**REC-LS-1031-SS**

**ITEM NO. : 10****ITEM : SIDE MOUNTED LEVEL SWITCH EQUIVALENT TO SIKA GERMAN  
REFER OUR G. A. DRG. NO. RSMFLS-1031-BF****PRINCIPLE OF OPERATION :**

This instrument has a side mounted screwed process conn. of  $\frac{3}{4}$ " BSP (M). Float is fabricated out of Stainless Steel. This switch has got an alnico magnet inside. Magnet is not in contact with the liquid service. The actuation point is factory set. By the side of the Level Switch the magnetic switch is fixed. This magnetic switch is hermetically sealed, inert gas filled and contacts are gold plated.

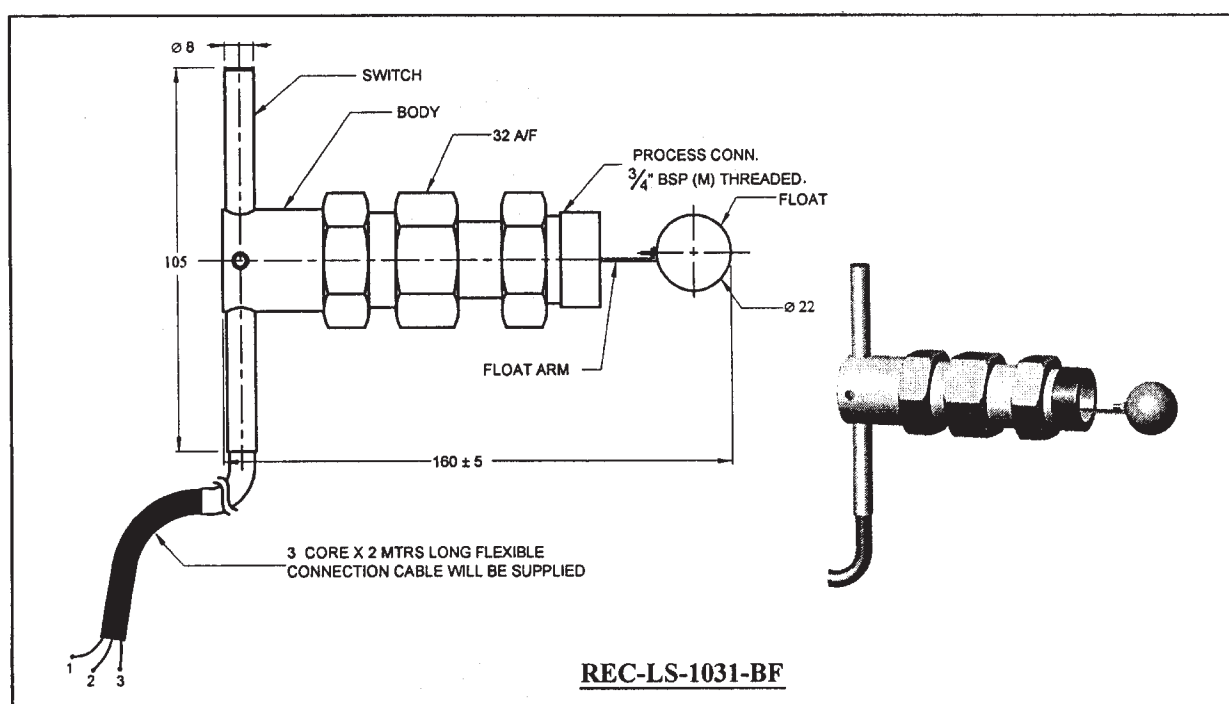
When the level rises above the actuation point the float buoys up alongwith level rise and actuates the magnetic switch, which is kept sealed inside the switch housing. This switch is completely isolated and they do not come in contact with liquid. The closure of the switch can operate a contactor or relay to indicate the level rise or decrease.

**ADJUSTMENT OF THE SWITCHING UNIT:**

- 1) First of all it has to be defined whether f normally open or normally closed operation is required. Now the locking screw has to be released and the switching unit has to be moved, so that the normally open operation or normally closed operation is located at the input of the cross drilling.
- 2) The switching point is adjustable within the normally closed operation or normally open operation, after the adjustment the locking screw has to be fastened again.
- 3) Unless otherwise requested the contacts are set for normally closed operation ie. the contacts are closed when the liquid level is high enough. By adjustment of the position of the switch housing normally open operation can be achieved.

**MATERIAL SPECIFICATIONS:**

- |   |   |   |
|---|---|---|
| 1) Item   | : | Float Type Level Switch For Low Oil Level Measurement   |
| 2) Make / Type  | : | "Revathi" equivalent to SIKA VH -200  |
| 3) Service  | : | Oil   |
| 4) Op Press Kg/Cm <sup>2</sup> g / Temp ° C / Sp. Gr. | : | ATM / AMB - 200° C / 0.8  |
| 5) Function   | : | The float movement of the level switch will be transmitted through a solid-non-magnetic poles. Thus, the float movement will impart a snap action to the electric switch element. |
| 6) Float & wetted parts material                      | : | Brass   |
| 7) Switch housing material                            | : | Brass   |
| 8) Process connection                                 | : | $\frac{3}{4}$ " BSP (M) Adaptor   |
| 9) Output   | : | Contact.  |
| 10) Contact rating                                    | : | 230 VAC 5 Amps (surge) 60 VA/W 1 No. SPDT. This switch can directly operate. 110 / 230 VAC Siemens size 1 or L&T contractors.   |
| 11) Qty.  | : | To Mention  |

**REC-LS-1031-BF**