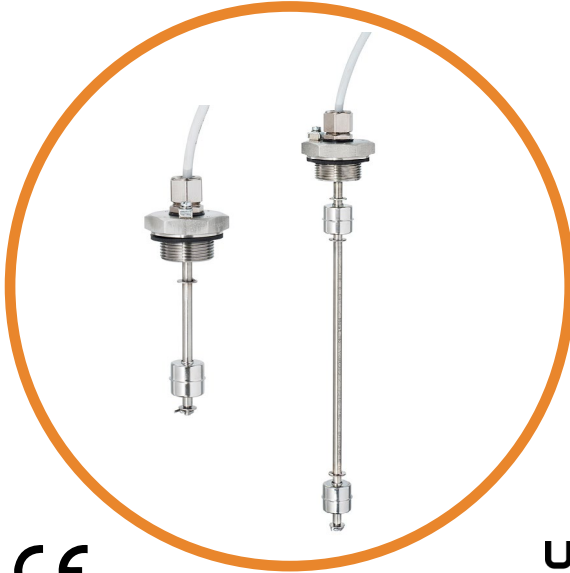


## FLPV SERIES

### FLAMEPROOF DUAL LEVEL VERTICAL STAINLESS FLOAT SWITCH



The FLPV is a flameproof vertical float switch range which has been designed to give the user a long reach float switch with a number of switching options, to cater for a wide variety of system requirements. Manufactured in Stainless Steel 316L material, these switches are suitable for use in many aggressive liquids or hygienic applications.

The single float version gives high (make on rise) and low (make on fall) level indications for alarms and controls systems.

The dual float versions give either make on rise for both high and low levels (used for tank emptying control) or make on fall for both high and low levels (used for tank filling control).

The switches are screw mounted vertically via a 1 1/4" BSP thread, and does not require access to the inside of the tank.

Also available with FLA15 flange mount option, contact Sensata for details.

#### Features

- Dual switch point for high/low indication
- Stainless Steel 316L material
- PED Approved (10 Bar)
- G1 1/4" mounting thread (optional flange mount)
-  II 1/2 GD  
Ex db IIB T6 Ga/Gb  
Ex tb IIIB T85°C Db  
Tamb = -20°C to +79°C  
IP66  
For use in Zones 1 and 2

## SPECIFICATIONS

### Technical

|                                  |                    |
|----------------------------------|--------------------|
| <b>Mounting style</b>            | External           |
| <b>Mounting thread</b>           | 1-1/4" BSP         |
| <b>Float &amp; Stem material</b> | 316 grade SS       |
| <b>Temperature rating</b>        | -20°C / +79°C      |
| <b>Maximum pressure</b>          | 10 bar             |
| <b>Float SG</b>                  | 0.7                |
| <b>Minimum fluid SG</b>          | 0.8                |
| <b>Cable length - standard</b>   | 300cm              |
| <b>Cable typeconductor size</b>  | 0.5MM <sup>2</sup> |
| <b>Cable conductor material</b>  | Tinned copper      |
| <b>Cable sheath material</b>     | PUR                |
| <b>Sealing gasket</b>            | Nitrile            |
| <b>Optional Flange FLA15</b>     | 1 1/2"150lb ASA    |

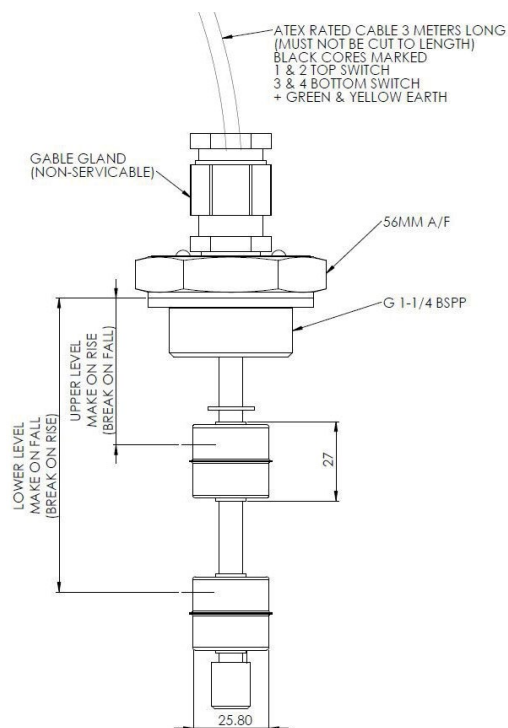
### Electrical

|                                 |                                |     |
|---------------------------------|--------------------------------|-----|
| <b>Contact Form</b>             | See part number (A=N/O, B=N/C) |     |
| <b>Switching Power Max</b>      | VA                             | 10  |
| <b>Switching Voltage AC Max</b> | V                              | 200 |
| <b>Switching Voltage DC Max</b> | V                              | 120 |
| <b>Switching Current Max</b>    | A                              | 0.4 |

All ratings are for resistive load only.



## DIMENSIONS



Custom versions can be made for particular applications.  
Please contact Sensata with your requirements.

| Standard Parts | Upper Level        | Lower Level | Total Length | Application   | No. of Floats |
|----------------|--------------------|-------------|--------------|---------------|---------------|
| FLPVA50B100    | 50mm               | 100mm       | 140mm        | Max & Min     | 1             |
| FLPVA50B125    | 50mm               | 125mm       | 164mm        | Max & Min     | 1             |
| FLPVA50B150    | 50mm               | 150mm       | 191mm        | Max & Min     | 1             |
| FLPVA50B175    | 50mm               | 175mm       | 214mm        | Max & Min     | 1             |
| FLPVA50B200    | 50mm               | 200mm       | 241mm        | Max & Min     | 1             |
| FLPVA50B225    | 50mm               | 225mm       | 266mm        | Max & Min     | 1             |
| FLPVA50B250    | 50mm               | 250mm       | 291mm        | Max & Min     | 1             |
| FLPVA50B300    | 50mm               | 300mm       | 341mm        | Max & Min     | 1             |
| FLPVA50A100    | 50mm               | 100mm       | 140mm        | Empty control | 2             |
| FLPVA50A150    | 50mm               | 150mm       | 191mm        | Empty control | 2             |
| FLPVA50A200    | 50mm               | 200mm       | 241mm        | Empty control | 2             |
| FLPVA50A250    | 50mm               | 250mm       | 291mm        | Empty control | 2             |
| FLPVA50A300    | 50mm               | 300mm       | 341mm        | Empty control | 2             |
| FLPVB50B100    | 50mm               | 100mm       | 140mm        | Fill control  | 2             |
| FLPVB50B150    | 50mm               | 150mm       | 191mm        | Fill control  | 2             |
| FLPVB50B200    | 50mm               | 200mm       | 241mm        | Fill control  | 2             |
| FLPVB50B250    | 50mm               | 250mm       | 291mm        | Fill control  | 2             |
| FLPVB50B300    | 50mm               | 300mm       | 341mm        | Fill control  | 2             |
| FLA15          | 1.5" ASA150 flange |             |              |               |               |

Single float dual level  
type



Dual float dual level  
type



Flange mount option  
FLA15



Made in the UK

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