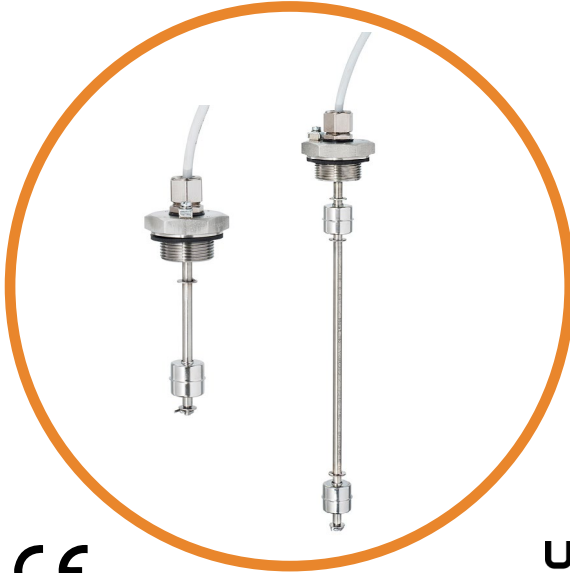# | FLPV SERIES

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 ¼" 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 ¼" 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

CE   UK CA

SPECIFICATIONS

Technical

Mounting style	External
Mounting thread	1-1/4" BSP
Float & Stem material	316 grade SS
Temperature rating	-20°C / +79°C
Maximum pressure	10 bar
Float SG	0.7
Minimum fluid SG	0.8
Cable length - standard	300cm
Cable typeconductor size	0.5MM^2
Cable conductor material	Tinned copper
Cable sheath material	PUR
Sealing gasket	Nitrile
Optional Flange FLA15	1 ½"150lb ASA

Electrical

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

All ratings are for resistive load only.

www.sensata.com

cynergy3

DIMENSIONS

ATEX RATED CABLE 3 METERS LONG
(MUST NOT BE CUT TO LENGTH)
BLACK CORES MARKED
1 & 2 TOP SWITCH
3 & 4 BOTTOM SWITCH
+ GREEN & YELLOW EARTH

GABLE GLAND
(NON-SERVICABLE)

56MM A/F

G 1-1/4 BSPP

UPPER LEVEL
MAKE ON RISE
(BREAK ON FALL)

LOWER LEVEL
MAKE ON FALL
(BREAK ON RISE)

27

25.80
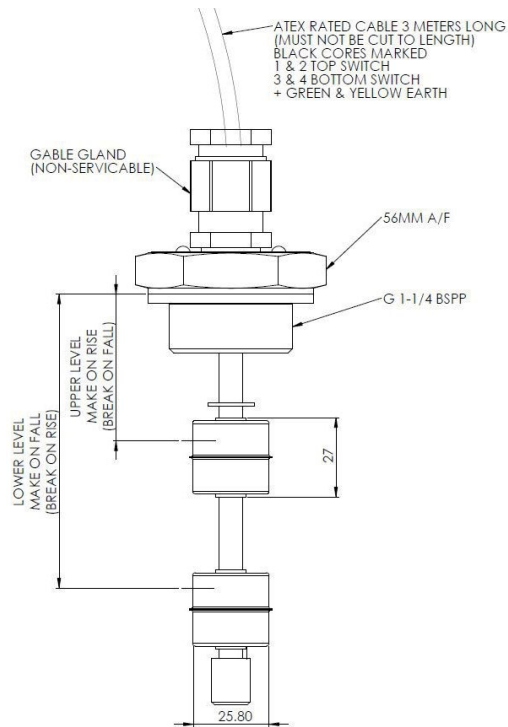
Custom versions can be made for particular applications.
Please contact Sensata with your requirements.

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

CONTACT US

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ISO9001CERTIFIED Rev: Cynergy3-flpv-v1 02/24/21

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