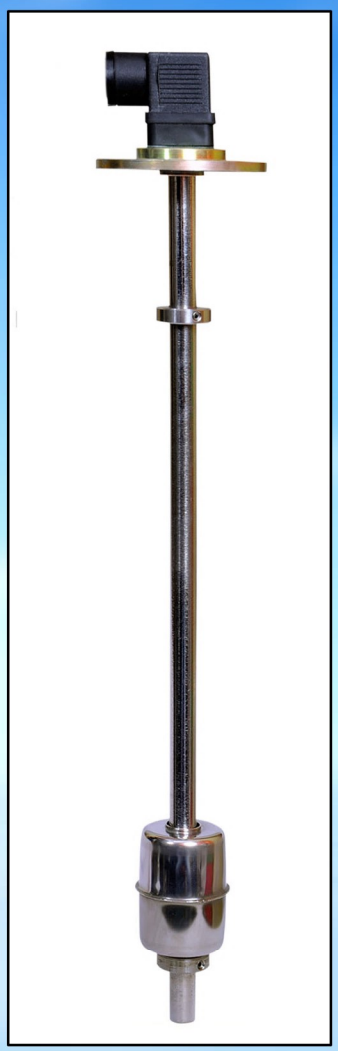
VERTICAL FLOAT SWITCHES

..... for OEMs



PRINCIPLE :

The magnetic float switch consists of non-abrasive float carrying permanent magnet and non-ferrous stem carrying one or two reed switches. The float glides along the stem and when the float nears the vicinity of reed switch the magnetic field of permanent magnet forces the reed contact to close, thereby completing the external electrical circuit.

APPLICATIONS :

Due to its simple design, reliability and with only one moving part i.e., magnetic float, it finds applications in various liquids where accurate and repeated liquid level control is called for.

However the float switches do not work satisfactorily in highly contaminated liquids and liquids with the high viscosity.

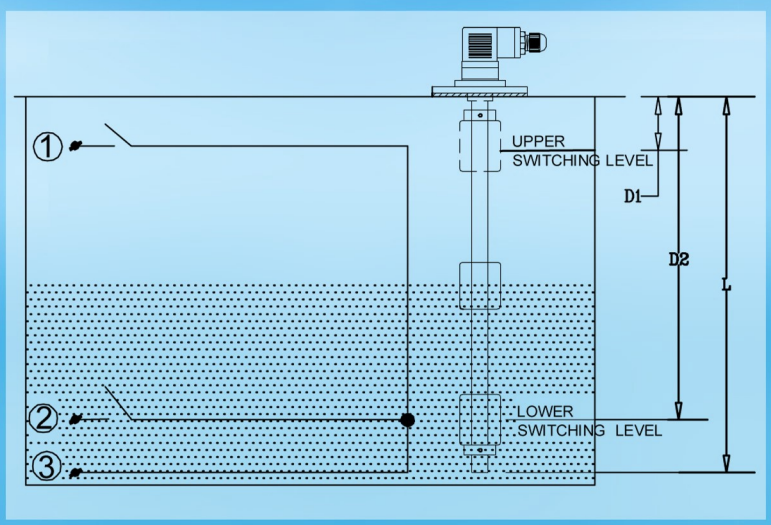
This type of float switches are suitable for centralized lubrication systems for machine tool, printing, packaging, packaging, textile and special purpose machines.

CONSTRUCTION :

The low cost float switches for OEMs incorporate SS 304 stem & Stopper, polyurethane foam float, mild steel flange and either glass filled polyamide DIN connector or Cast Aluminum Enclosure.

CONTACT PROTECTION METHODS :

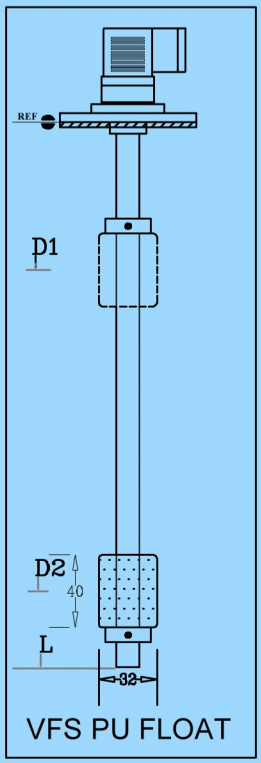
We recommend R-C Network for alternating current circuit and clamping diode for direct current circuit to protect the contact of float switches.



SWITCHING ACTION :

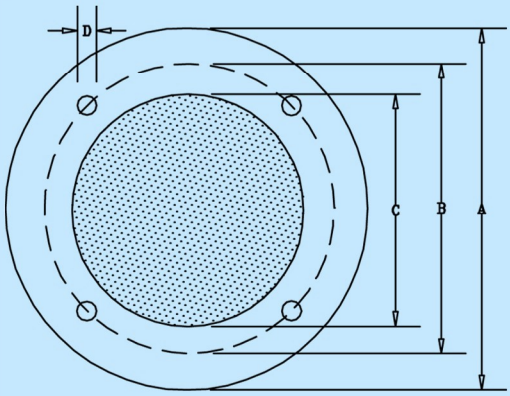
Terminal 1 - 3 To close on Raising liquid level At D1 (Min 50 mm)

Terminal 2 - 3 To close on Falling liquid level At D2 (Max L- 50 mm)



VFS PU FLOAT

CUTOUT AND MOUNTING DETAILS:

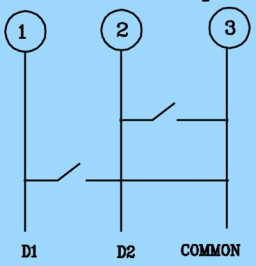


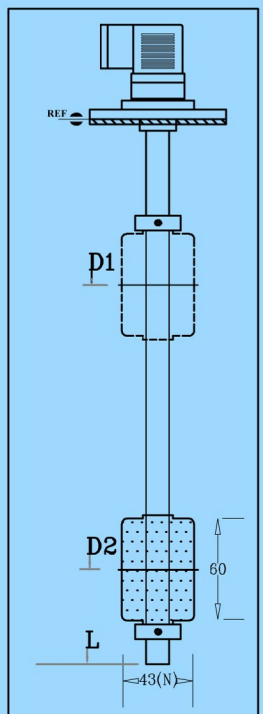
A - Flange OD : 75 mm
B - Flange PCD : 60 mm
C - Mounting Hole on Tank : 48 mm
D - Tapped Hole : M5

:2mm Thick gasket will be supplied

TERMINAL DETAILS:

A) Terminal 1 & 3 Close On Raising Level at D1
B) Terminal 2 & 3 Close On Falling Level at D2





VFS SS FLOAT

TECHNICAL SPECIFICATION:

1. Minimum Specific Gravity of Liquid : 0.75
2. Density of Float : 0.6 ± 5%
3. Minimum Upper Switching Level : 50mm
4. Maximum Lower Switching Level : L-50mm
5. Minimum Distance between Levels : 100mm
6. Repeatability : 1.5mm
7. Maximum Switching Hysteresis : 3mm
8. Maximum Temperature : 85°C
9. Maximum Pressure : Atmospheric
10. Maximum Error : ±1mm
11. Gland Entry : PG11for DIN 43650 (2 Level)
    : 3/4" for Aluminum

Type No.(T)	Maximum Switching Voltage	Maximum Switching Current	Contact Rating	Contact Form
11	200 V DC 125 V AC	0.5A	15VA	SPST
12	300 V DC 240 V AC	3A	100VA	SPST
21	200 V DC 175 V AC	0.25A	5VA	SPDT
22	230 V DC 230 V AC	1.0A	60VA	SPDT

ORDERING INFORMATION:

VFS / E - ___ / T-___ / F - ___ / D1 - ___ / D2 - ____ / L - ____ /

VERTICAL FLOAT SWITCH

ENCLOSURE: Din connector - D; Weather Proof - W; Flame Proof - F

TYPE*: 11, 12, 21, 22

FLOAT: PU 32, SS 43

Overall Length **L** in mm

Lower Switching level **D2** in mm

Upper Switching level **D1** in mm

* Refer Electrical details

since continuous development is our policy, the above specification and details may change without prior notice

CT-006/VFS/01-19/R 01

VIDYUTH ENTERPRISES

#387/41, Bikasipura Main Road, Yelachenahalli,
(Near Delhi Public School) Bangalore - 560062.
Ph : 080-26860013/14, 26861056 - Mob : 9886715952
email : info@vidyuth.co.in - manufacture@vidyuth.co.in
web : www.vidyuth.co.in

System Certification UR ISO 9001:2015