

BEND VERSION TYPE FLOAT LEVEL SWITCHES - BVFS

Bend version float switches are used for applications where there is a mounting constraint from the top and require Normally Open Contacts. These bend version level switches have rugged construction and can be used for both indoor & outdoor applications.

CONSTRUCTION AND OPERATION

Magnetic reed switch being the sensing element, the float switch operates on a simple principle. A float encircling a fixed stationary stem is equipped with powerful permanent magnets. As the float rises or lowers with liquid level the magnetic field generated by the magnet that is present within the float actuates a hermetically sealed reed switch mounted inside the stem. This in turn makes or breaks the contact of the reed switch.

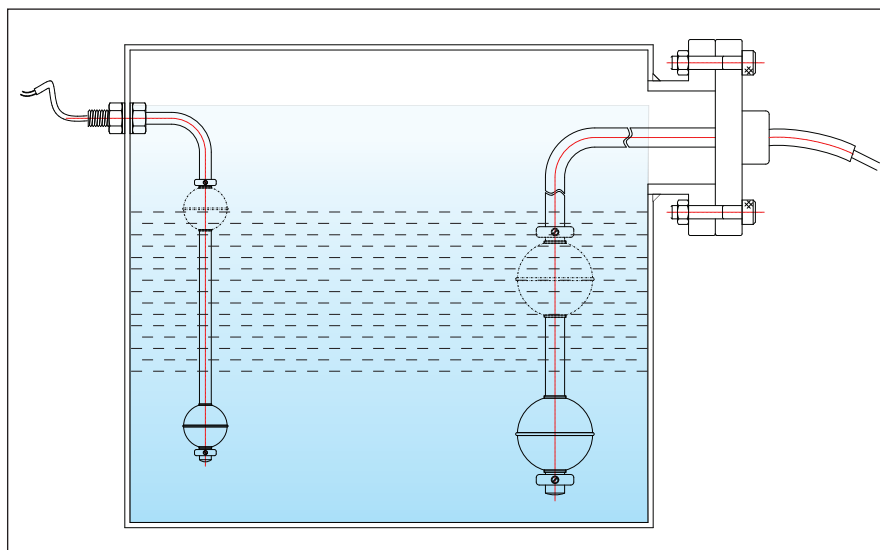


Bend version with enclosure



Bend version with free lead wires

TYPICAL INSTALLATION INSIDE TANKS



SPECIFICATIONS

Enclosure	: Cast Al, W-proof to IP 66 / Ex-proof to Gr. IIA & IIB / DIN Polyamide connector
Conduit Connection	: Brass, ¾" ET / ½" NPT
Guided Stem MOC	: SS316 / SS304
Float MOC x Size	: SS316 x Ø22, Ø28, Ø30, Ø40, Ø52, Ø89 PU foam x Ø22, Ø25, Ø35
Stem OD	: Ø8, Ø12.7 in SS316 / SS304
Operating Temperature	: SS316 - Ø52, Ø40 Upto 150°C, Ø22, Ø28, Ø30 Upto 100°C PU foam - Ø22, Ø25, Ø35 Upto 60°C
Operating pressure max.	: SS316 - Ø52, Ø40 Upto 20Kg / cm ² , Ø22, Ø28, Ø30 Upto 8Kg/cm ² PU foam - Ø22, Ø25, Ø35 - Atmospheric
Min. Specific gravity	: 0.7
No. of Floats	: Single / Multiple (Max.4) (More available on request)
Process Connections	: Flanged / Triclover Flange
Preset levels	: 1 to 4 (Factory set) (More available on request)
Switch type	: Glass encapsulated hermetically sealed reed contacts
Switching capacity	: 15VA (NO) / 100VA (NO) or 3VA (1C/O) / 50VA (1C/O)
Differential	: Fixed (10 ± 2mm)
Accuracy / Repeatability	: ± 2mm / ± 1mm
Load	: Resistive / Inductive
Insulation	: 100 Mega-Ohms at 500V DC
Special Features	: Intrinsically safe to Ex ib Gr IIA-IIB

APPLICATION

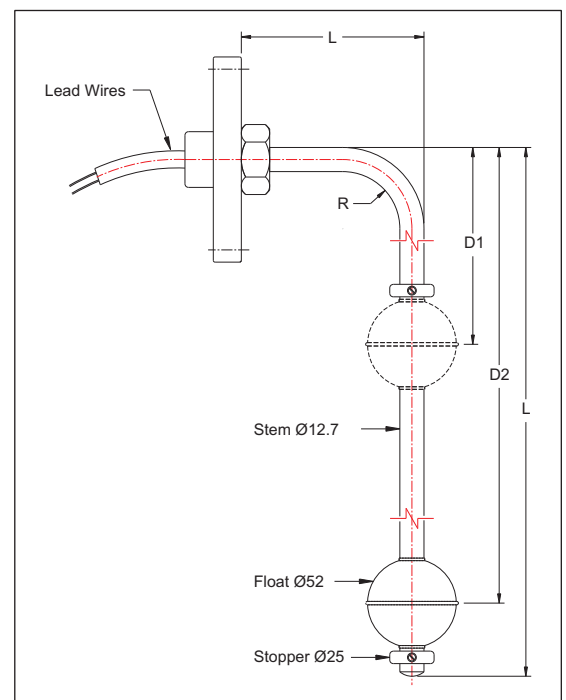
Water / Waste water treatment plants, Cooling towers, Lubrication / Filtration systems, Paint shops, Food / Drug / Pharmaceutical / Chemical & Petrochemical industries.

ORDERING INFORMATION

Specify part no., As per given in catalogue for vertical mounting type magnetic float level switches, guided stem length (L), preset levels D1, D2, D3 etc., Specific gravity, Operating temperature & Pressure.

Note : Please mention bend version while ordering.

CONSTRUCTION DETAILS FOR BEND VERSION FLOAT SWITCHES



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Note: All dimensions in MM, unless otherwise specified.