

## FLOAT LEVEL SWITCHES FOR CORROSIVE LIQUIDS APPLICATION - PPFS

Level switches with complete PP construction eliminate corrosion of wetted parts. These level switches are used to avoid erosion of materials when they come to contact with corrosive liquids such as mineral acids, alkali solutions or oxidizers etc.,

### CONSTRUCTION & 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.

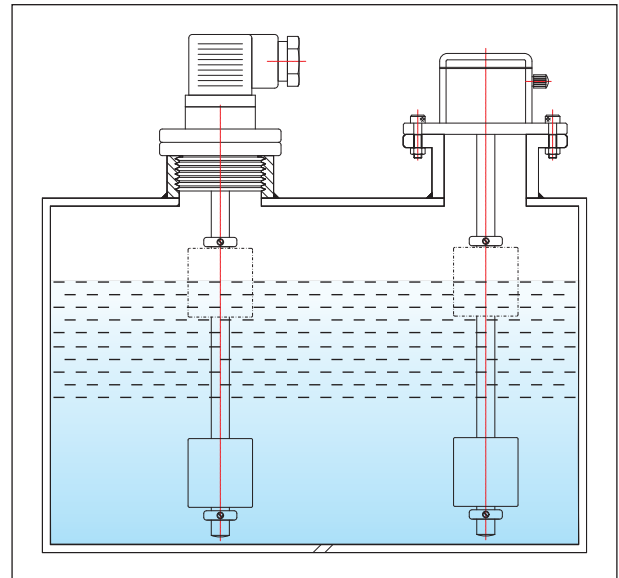
### SPECIFICATIONS

Enclosure	: PP / Hensel box PVC
Conduit Connection	: PP
Guided Stem MOC	: PP
Float MOC x Size	: PPxØ25, Ø50
Stem OD	: Ø8/Ø20 in PP
Operating Temperature	: PP - Ø50 Upto 60°C, Ø25, Upto 50°C
Operating pressure max.	: Ø50 Upto 2Kg/cm <sup>2</sup> , Ø25 Upto 1Kg/cm <sup>2</sup>
Min. Specific gravity	: 1.1
No. of Floats	: Single / Multiple (Max.4)
Process Connections	: Flanged / Triclover Flange / Threaded
Preset levels	: 1 to 4 (Factory set)
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

### ORDERING INFORMATION

Specify part no., total length of the guided stem (L), Mounting flange details, Specific gravity, Operating temperature & Pressure.

TYPICAL INSTALLATION INSIDE TANKS



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Note: All dimensions in MM, unless otherwise specified.