



## MAGNETIC FLOAT LEVEL SWITCH ( JAYCEEFLOAT )

### PRINCIPAL

The single unit or multiple reed switch units are housed tightly in stainless steel stem, and the permanent magnet is sealed into the middle of the specified float ball(s). You can mount the float ball to penetrating through the stem, and then the liquid buoyancy will deliver the float ball up and down at the specified position by graduating rings. When the float internal magnet approaches the reed switch, it will actuate the reed switch contact point to create an open or close circuit. We can apply such on-off output signals to reach liquid level controlling and monitoring purpose. The figures below show the float orientations on N.O. (Normal Open) and N.C. (Normal Close).

### Features

- Multiple points measuring, multiple level points are available for custom-built.
- It uses the magnet to actuate the reed switch without any extra electric power source. Each reed switch is durable for operation life reaching 2 million times.
- All output signal wiring are simplified in same junction box (housing) to economize the external wiring construction. The housing protection rating up to IP65.

### Applications

Shipbuilding Industry, Petrochemical Industry, Food/Beverage Industry, Water Purified Facilities, Electronic Industry, Dyeing And Finishing Industry, Chemical Industry, Hydraulic.

### Parts

The parts of Magnetic Float Level switch are explained in figure 1. All dimensions are in millimeters.

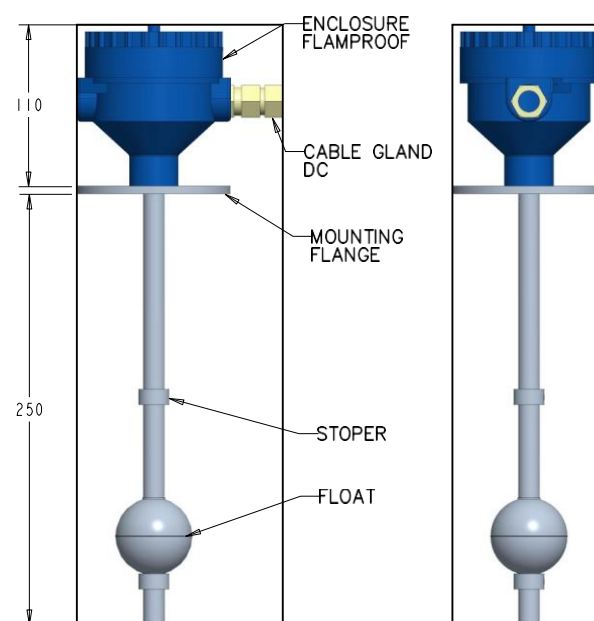


FIGURE 1 : MAGNETIC FLOAT LEVEL SWITCH

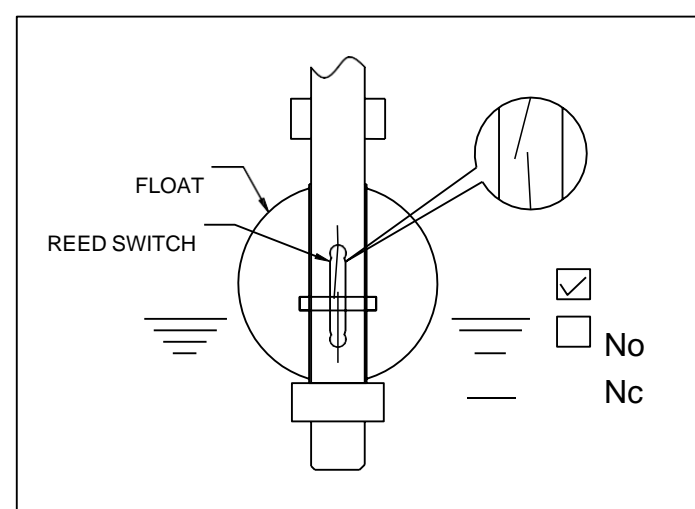


FIGURE 2 : RISING FLOAT BALL TO ACTUATE REED SWITCH

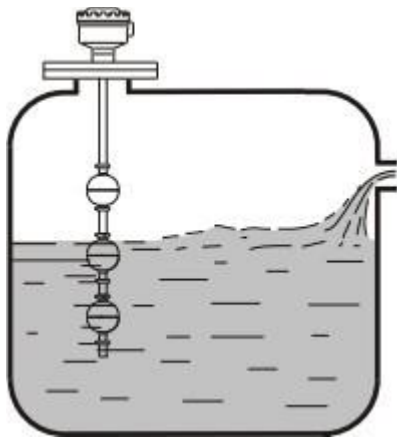
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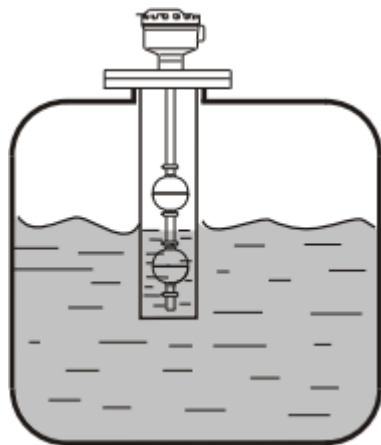


## INSTALLATION:-

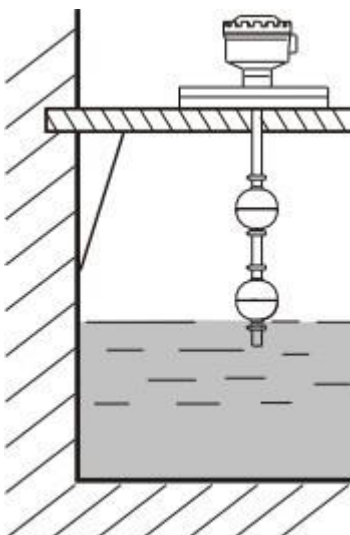
The float level switch should be mounted far away from liquid inlet, Any strong liquid fluctuation will produce error output signals.



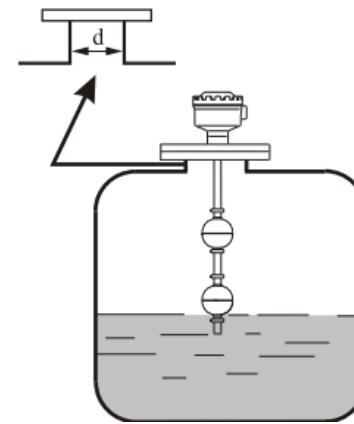
It is requested a pipe shield or equivalent device to normalize the switch actuation if the switch is used with any agitator application.



It had better require an L type supporter, when the switch is mounted in concrete wall tank as figure below.



It is recommended to select standpipe With a diameter larger than the float ball for Installation process.



## Model Selection

### JAYCEEFLOAT

#### Enclosure (E)

- 1 - Weatherproof IP-65
- 2 - Flameproof
- 3 - TC Head

#### Temperature (T)

- 1 -Standard Temperature Up to 80°C

#### Probe Length (PI)

- 1 -Standard Probe Length 150 mm
- 2 -Extended Probe Length Up to 3000 mm

#### Mounting Arrangement (M)

- 1 - Threaded BSP
- 2 -Flanged ; 3 - Others

#### Wetted Part (W)

- 1- SS304
- 2- SS316
- 3- Others

FLOAT	E	T	PI	M	W
	1	1	2	1	1