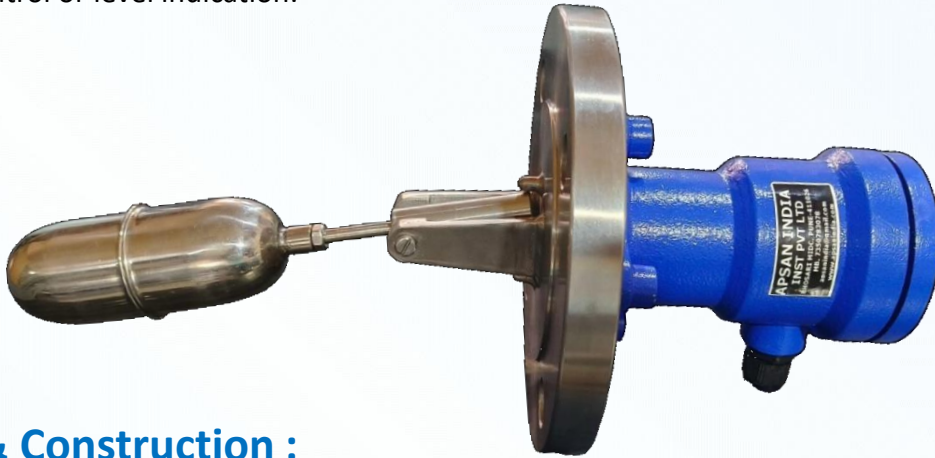


## SIDE MOUNT FLOAT LEVEL SWITCH - M

We are introducing our Side Mount Float Switch, it is used to control high, intermediate & low-level points in tanks which containing corrosive or non corrosive liquids. It is used to pump control, Alarm, valve control or level indication.



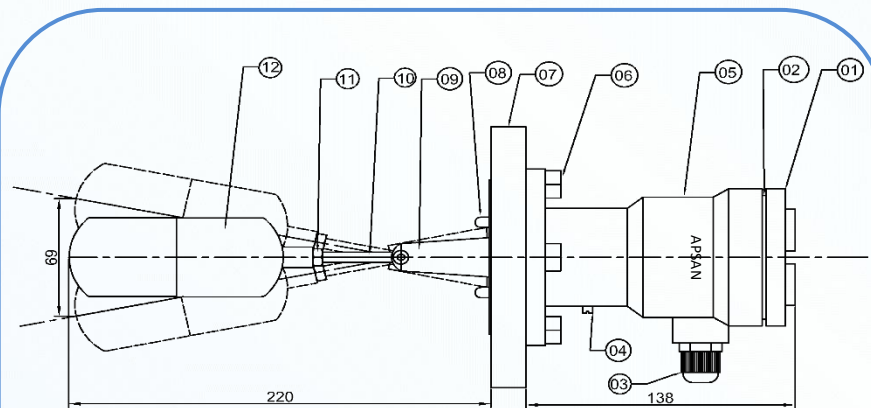
### Principle & Construction :

It is compact & rugged construction consisting of a free moving hinged float assembly and a switch enclosure in non-magnetic material to achieve undisturbed magnetic flux. It employs dual magnets; one carried by the float arm and other by the contact carriers housed in the switch enclosure. A change in liquid level brings the like poles of dual magnets opposite to each other and resulting repulsion force ensures a changeover of contacts with instant action. The magnetic coupling is glandless to prevent leakage from vessel to switch housing.

### Installation :

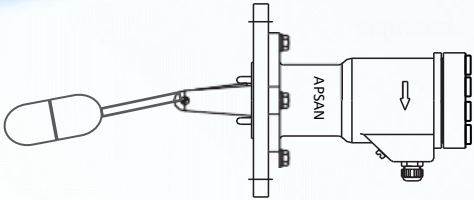
It is mounted externally on tank wall connected through counter flange or threads. If any space limit or any mechanical device operate within the tank then we suggest for external mounting.

External mounting possible with the help of Chamber & it is easy for isolating for regular servicing.

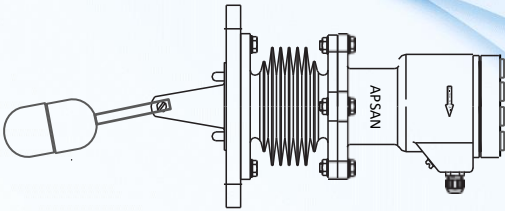


- |                   |                 |                        |
|-------------------|-----------------|------------------------|
| 1) Terminal cap   | 5) Enclosure    | 09) Bracket            |
| 2) Gasket         | 6) Allen Bolts  | 10) Float Magnetic Arm |
| 3) Cable Gland    | 7) Process conn | 11) Float lock nut     |
| 4) Earthing screw | 8) Stopper      | 12) Float              |

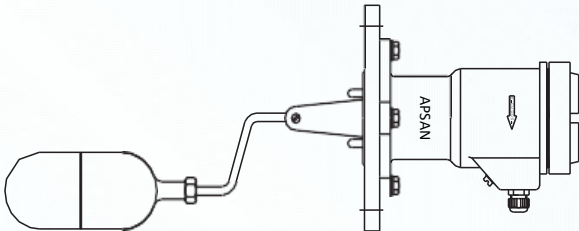
## Special Features:



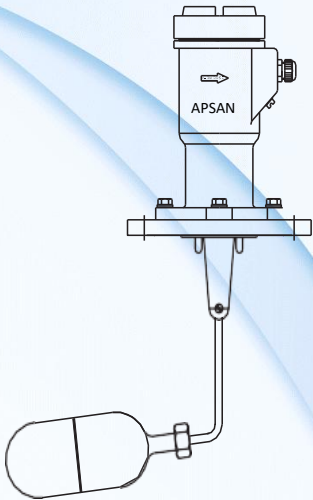
Long Extended Arm for Longer Nozzle Length



Very High Temperature Construction



Cranked Arm for Slurry Application



Cranked Arm for High Level Signal



Fully SS 304 & SS316 Construction

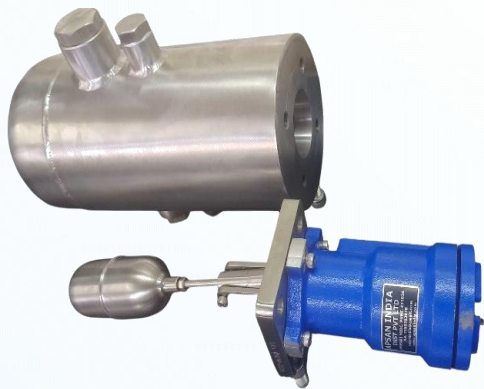
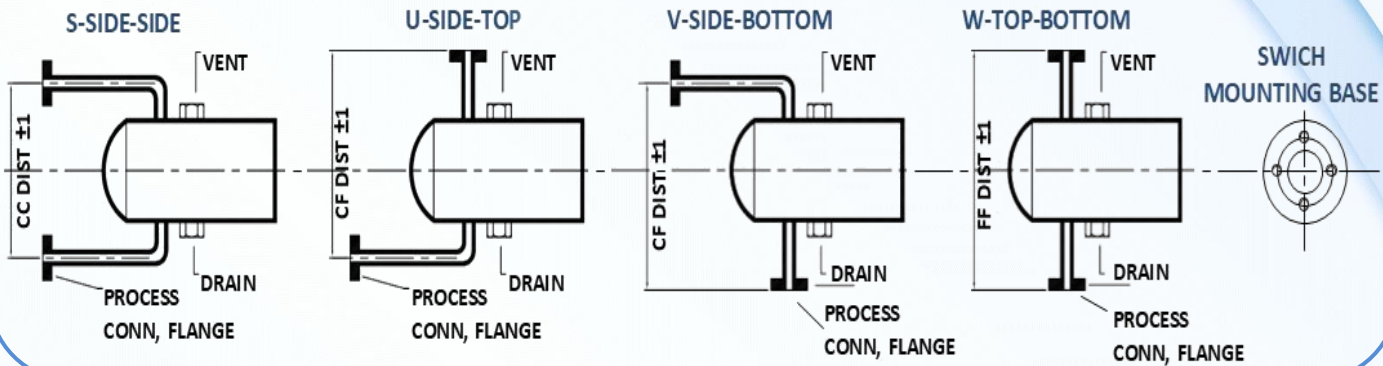
## Technical Specifications:

Installation Type	Side Mounted / Top Mounted
Enclosure Type	Cast Al. / Cast Al Flameproof / SS304 / SS316
Float Dia. X MOC X SG	Ø40 X SS316 X ≥0.8 SG / Ø50 & Ø60 X SS316 X ≥0.7 SG / Ø 50 x PP or PVDF X ≥0.8 SG
Process Connection	Flanged & Screwed
Repeatability/ Accuracy	±1 mm/ ± 2 mm
Temperature Range	Standard -20 to 70 °C (PP), 100°C (PVDF), 120°C (SS) For High Temp 250 °C (SS), For Very High Temp 350 °C with Radiating Fins
Pressure Range	Vacuum to 20 Kg/cm2 at ambient Temperature

# External Mounting Chamber:

Various range of external chambers are available in CS /SS304/SS316/SS316L materials. It is used in the tanks where space is limited & if any mechanical device operate within the tanks. It is fitted external side of the tanks & very easy for the installation. With the external mounting possible to isolating for regular servicing.

## Mounting Types with External Chamber

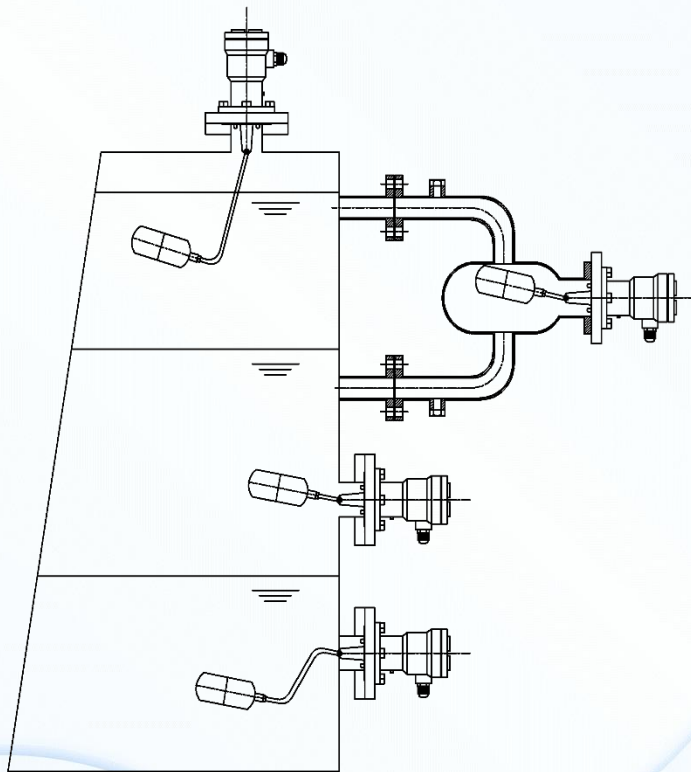


Before Fitting



After Fitting

## Tank Installation :



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### 1. Enclosures X Cable Entry

Cast Aluminum Weatherproof X PG 11	<b>W</b>
Cast Aluminum Flameproof X PG11	<b>F</b>
SS 304 X PG11	<b>S4</b>
SS 316 X PG11	<b>S6</b>

### 2. Process Connection Size

Flange 92 Sqmm. X 92 PCD	<b>A</b>
Flange OD 120 X 92 PCD	<b>B</b>
2"	<b>C</b>
2.5"	<b>D</b>
3"	<b>E</b>
Other	<b>O</b>

### 3. Process Connection Type

ASME 150# Flange	<b>1</b>
ASME 300# Flange	<b>2</b>
TABLE D Flange	<b>3</b>
BSP (M) Screwed	<b>4</b>
NPT(M) Screwed	<b>5</b>
Triclover Ferrule	<b>6</b>
Other	<b>0</b>

### 4. Process Connection & Float Material

SS 304	<b>I</b>
SS 316	<b>J</b>
SS 316L	<b>K</b>
PP	<b>L</b>
PTFE	<b>M</b>
Other	<b>O</b>



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### 5.Floats Size (mm)

Ø 40	<b>N</b>
Ø 50	<b>P</b>
Ø 60	<b>Q</b>

### 6.Switch Assembly Type

Micro Switch X SPDT	<b>S</b>
Micro Switch X DPDT	<b>D</b>
Micro Switch in Hermetically Sealed X DPDT	<b>H</b>

### 7. Max. Temperature Range

Standard - 120°C	<b>S</b>
High Temperature - 250°C	<b>H</b>
Very High Temperature - 350 °C With Radiating Fin	<b>V</b>

### 8. Special Features

Extended Arm with Side Mounting	<b>X</b>
Cranked Arm with Side Mounting	<b>Y</b>
Cranked Arm with Top Mounting	<b>Z</b>
Without	<b>W</b>

### 9. Accessories

External Chamber Type (Refer page No.3. )	
Counter Flange Without Nozzle	<b>C</b>
Counter Flange With Nozzle	<b>N</b>
Without	<b>W</b>