

SIDE MOUNTED LEVEL SWITCH (FLOAT LEVEL SWITCH)

SIGMA's Float Level Switch are compact solutions to monitor low, intermediate and high level in tanks. This rugged, quick mounting & maintenance free design is an instant choice for tanks with high insertion depths or inaccessible top and bottom. A small pivoted float forms the only sensing probe that projects within the tank. Typical applications of these sensitive and accurate devices include strong tanks, high-pressure boilers, sterilizers and process tanks.

Sigma Advant-edge

- ✓ Glandless design eliminates leakage from vessel into switch housing even in high pressure & temperature conditions.
- ✓ Float arm operates on a flat face with no cavities to clog (this eliminates float arm malfunction due to unwanted accumulations)
- ✓ Light in weight and easy to install
- ✓ Wide differential versions
- ✓ Choice of mounting and material mix
- ✓ Special design for high temperature / pressure applications.
- ✓ Can be used with External Cages
- ✓ Extension rods to accommodate nozzle lengths or for increasing switching differential.

Specifications

Type	: Magnetic Internal Float operated.
Float, Stem & Wetted parts Material	: SS 304 / SS 316 / PVC / PP / Ebonite / specified.
Switch Housing & Material:	Weather proof / Explosion proof IIC in Cast Aluminum / Custom housing for corrosive atmosphere.
Type of Contact	: Micro, 2 SPDT.
Rating	: 10 A @ 250 V AC , 0.2 A @ 250 V DC / specified. .
Switch Differential	: 12 ± 3 mm.
Conduit	: 3/4" BS, 1/2" / 3/4" NPT / specified.
Pressure / Temperature	: 15 - 40 kg/cm ² / 200°C / specified.
Specific Gravity	: 0.7 and above / specified.
Process Connection, Type:	1 1/2" and above, Screwed or Flanged / specified. Miniature 25 NB special design available.
Float Size	: Ø 47 or 60 mm / specified.

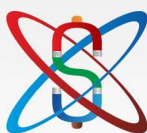
Note: For Safety measures, we recommend the fuses in series & also contactor / relays for start and stop function of motors.



Available



IBR Approved
Side Mounted Level Switch



Model Number Coding for Side Mounted Level Switch

SMLS	Connection	Size	Rating	Material of Flanges	Operating Pressure	Material of Float	Enclosure Class	Optional Features
Side Mounted Level Switch	F-Flanged	25 NB	150 #	2-IS 2062	1- Nominal Pressure	4-SS304	W-Weather Proof F-Flame Proof	N-None
	T- Threaded	40 NB	300 #	4-SS304	2- Upto 15 Kg/cm ²	6-SS316		P - Plug & Socket
	S-Socket Weld	50 NB	Other Specify	5-A105	3- Upto 40 Kg/cm ²	4L-SS304L		F-Cooling Fins
	B-Butt Weld	80 NB		6-SS316	4 - Specified	6L-SS316L		C - With Chamber
		100 NB		4L-SS304L		P-PP		S-SS Switch Enclosure
		S - 120 OD x 92 mm PCD		6L-SS316L		V-PVC		
		Other Specify		P-PP		S-Specified Material		
				V-PVC		T-Titanium		
				S-Specified Material				

Model Decoding example: SMLS- F - 40 - 150 # - 4 - 2 - 4 - W - P

Side Mounted Level Switch, with

- Flanged Connection
- 40 NB Size
- 150 # Rating
- SS 304 Flange
- Operating Pressure up to 15 kg/cm²
- SS 304 Float
- Weather Proof Enclosure
- Plug & Socket (specify no.of pins)
- 2 SPDT Switch is supplied as Standard

Note

- Model Coding is categorized as per the specification of the product, for ease of selection and ordering.
- In case of choosing multiple specification under a specific category, mention the 2nd / 3rd code with a bracket, after the 1st code.
- For ordering IBR approved product, mention "IBR" immediately after the Product code.
- In case of doubt, contact SIGMA for assistance in arriving at the model code / for specification.
- The product conforms to 97/23/EC: Pressure Equipment Directive, Article 3.3 Sound Engineering Practice and 2006/95/EC: Low Voltage Directive (LVD)

Note

All the Side Mounted Level Switches mentioned in this catalogue are our standard design. If the standard items do not meet your requirements, we can modify them to meet your specifications and would appreciate the opportunity of making suggestions to cover your application, based on engineering principles. SIGMA reserves the right to modify specification / design from time to time, which is deemed suitable for the product without prior intimation.