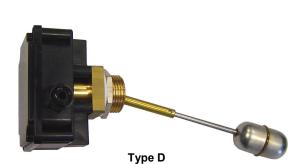
SIMPLE S50 Level switch

GENERAL CHARACTERISTICS

These level switches, with their reduced dimensions and simplicity of installation, constitute a reliable solution for the control of liquids in all applications where it is necessary to mount a lateral type. Suitable for use with process temperature up to 180 $^\circ$ C.







- 1 or 2 microswitches.
- Supporting adjustable float-rod
- Executions in Brass and AISI-316
- Maximum working pressure 25 bar
- \bullet Operating ambient temperature $\,$ -30 /+55 $^{\circ}\text{C}$ 90% RH
- Maximum working temperature 180 °C
- Degree of protection IP65

TECHNICAL DATA	Tab.1
I LUI INIUAL DATA	Tab. I

Process of	connection	Float - S50	Max. pressure	Max. temperature	Hysteresis	Weight
Ø	DN	S.G.	Bar	°C	mm	g
1"	25	0,7	25	180	max. 20	440

Male thread	Body materials		Float materials		
G	0	S	S50	Rod	
Parallel UNI 228/1	Brass	AISI-316	AISI-316	AISI-303	

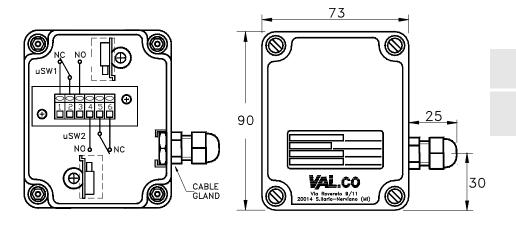
ELECTRICAL CONTACTS Tab.2

TY	PE .	VOL	ΓAGE	CURRENT		
Microswitch L	1 = N.1 L2 = N.2	AC	DC	AC	DC	
SPDT	7	250V	48V	3A (cosφ=1)	3A	

Wiring

-	
1	3
Independent	SPDT
Separately wired microswitches	Changeover contacts

ELECTRICAL OUTPUT Tab.3



W
IP65 Housing
PA6 + glass fiber
6 terminals
Polyamide cable gland
PG9

We reserve the right to change the data without notice

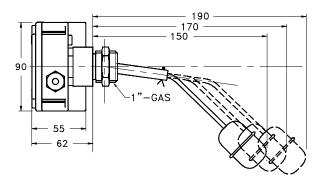
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SIMPLE S50 Level switch

SWITCH POINTS TYPE C ROD

Tab.4

Switch points of the microswitches reported to the mechanical axis of the instrument with liquid having S.G. = 1



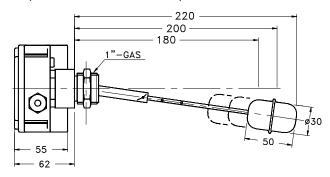
Rod length	Micro	switch 1	Micros 2	switch
	ON	OFF	ON	OFF
Long	- 46	- 63	- 32	- 49
Medium	- 48	- 61	- 34	- 47
Short	- 50	- 60	- 36	- 46

General tolerances on the switch points ± 5 mm. All measurements are in mm.

SWITCH POINTS TYPE D ROD

Tab.5

Switch points of the microswitches reported to the mechanical axis of the instrument with liquid having S.G. = 1



Rod length	Microswitch 1		Microswitch 2		
	ON	OFF	ON	OFF	
Long	0	- 20	+ 20	0	
Medium	0	- 18	+ 18	0	
Short	0	- 16	+ 16	0	

General tolerances on the switch points ± 5 mm. All measurements are in mm.

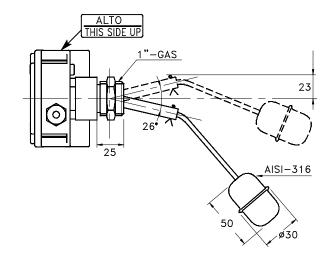
ASSEMBLY AND INSTALLATION

Float assembly

- Remove the blocking pin from the rod of the float.
- Insert the rod of the float into the pipe and block it with the pin.
- The float can have 3 different positions depending on the tank and the desired switch point.
- Caution: To avoid any type of damage to the float, during assembly, work always holding the rod, not the float itself.

Installation of the instrument in the tank

- Always insert the PTFE sealing gasket between the level control and the tank.
- Caution: During installation, handle the level switch only by the electrical head without forcing the float.



NOMENCLATURE

L2	S50	7	С	25	G	0	W	133		
•									Tab.2	Number of electrical contacts L1÷ L2
	•								Tab.1	Float
		•							Tab.2	Type of the contacts
			•						Tab.4-5	Type of the rod
				•					Tab.1	Process connection dimension
					•				Tab.1	Process connection thread
						•			Tab.1	Process connection material
							•		Tab.3	Electrical output
								•	Tab.2	Wiring and contact status

We reserve the right to change the data without notice

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