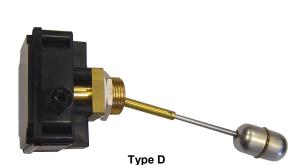
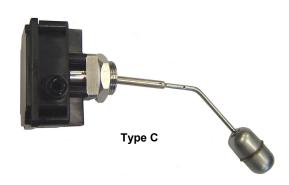
SIMPLE S50 Level switch

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
- Operating ambient temperature -30 /+55 °C 90% RH
- Maximum working temperature 180 °C
- Degree of protection IP65

TECHNICAL DATA	Tab.1
----------------	-------

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

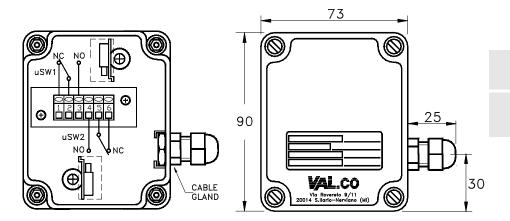
ELECTRICAL CONTACTS Tab.2

TYPE		VOL	LTAGE CURRENT		RENT
Microswitch L	1 = N.1 L2 = N.2	AC	DC	AC	DC
SPDT	7	250V	48V	3A (cosφ=1)	3A

Wiring

I	3
Independent Separately wired microswitches	SPDT Changeover contacts

ELECTRICAL OUTPUT Tab.3



IP65 Housing PA6 + glass fiber

6 terminals
Polyamide cable gland
PG9

We reserve the right to change the data without notice

BE#091/5-02/2007













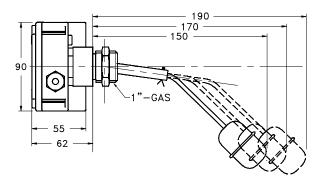


SIMPLE S50 Level switch

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



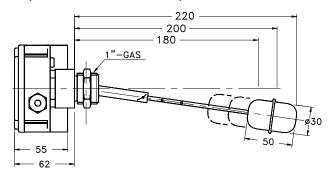
Rod length	Microswitch 1		Microswitch 2	
	ON	OFF	ON	OFF
Long	- 46	- 63	- 32	- 49
Medium	- 48	- 61	- 34	- 47
Short	- 50	- 60	- 36	- 46

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

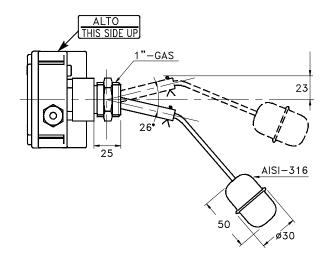
Float assembly

NOMENCLATURE

- 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.



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

BE#091/5-02/2007



