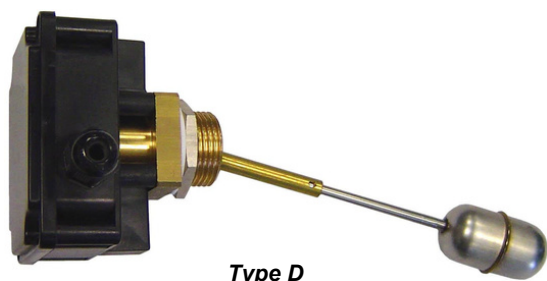
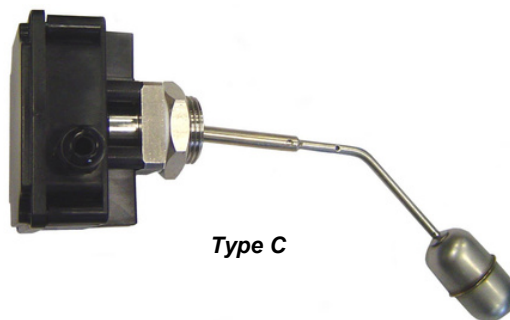


GENERAL CHARACTERISTICS

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 °C.



Type D



Type 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 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

G
Parallel UNI 228/1

Body materials

O	S
Brass	AISI-316

Float materials

S50	Rod
AISI-316	AISI-303

ELECTRICAL CONTACTS

Tab.2

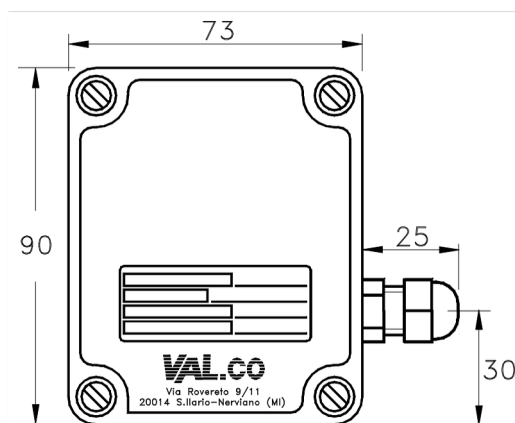
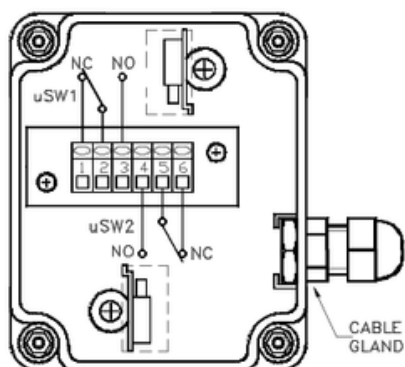
TYPE			VOLTAGE		CURRENT	
Microswitch	L1 = N.1	L2 = N.2	AC	DC	AC	DC
SPDT		7	250V	48V	3A (cosφ=1)	3A

Wiring

1	3
Independent Separately wired microswitches	SPDT Changeover contacts

ELECTRICAL OUTPUT

Tab.3



W

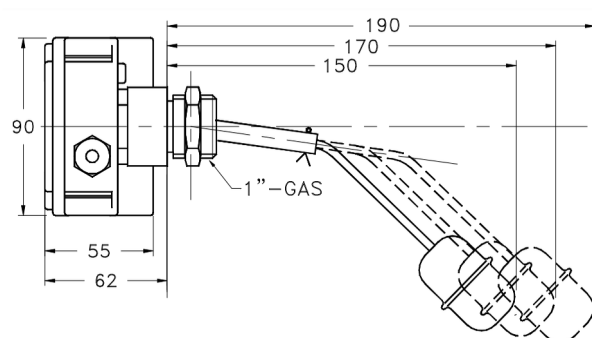
IP65 Housing
PA6 + glass fiber

6 terminals
Polyamide cable gland
PG9

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



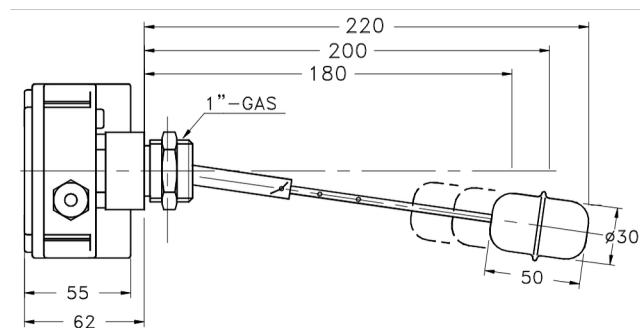
Rod length	Microswitch 1		Microswitch 2	
	ON	OFF	ON	OFF
Long	-46	-63	-32	-49
Medium	-48	-61	-34	-47
Short	-50	-60	-36	-46

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.

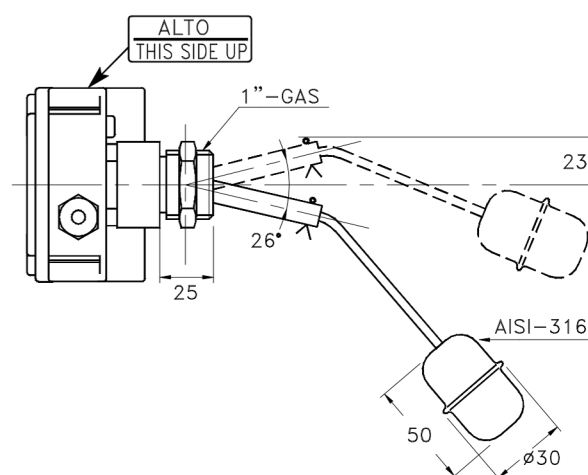
ASSEMBLY AND INSTALLATION

Float assembly

- 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		25			I33
•						
	•					
		•				
			•			
				•		
					•	
						•

Tab.2	Number of electrical contacts L1÷ L2
Tab.1	Float
Tab.2	Type of the contacts
Tab.4-	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