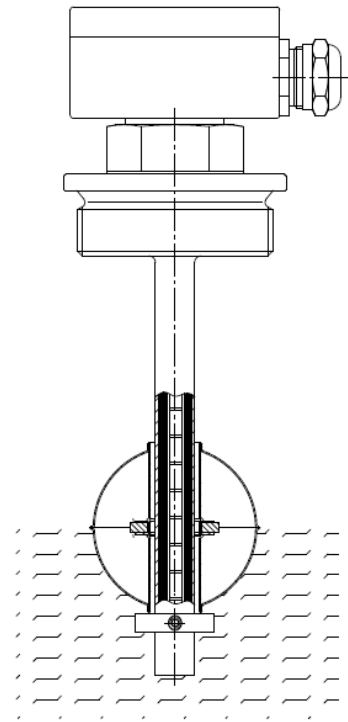


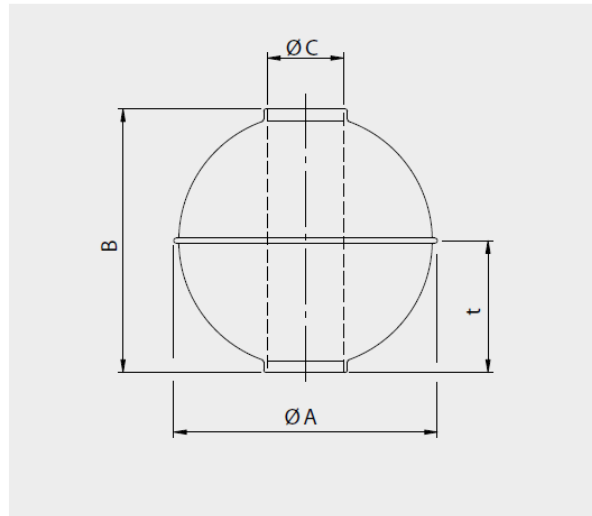
LEVEL SENSORS MANUFACTURED BY TECHNI SA

Description and function

Level sensors are used as measuring sensors for the electrical continuous remote display of levels. Level Sensors work on float principle with magnetic transmission. The magnetic field, which is in the ball or cylindrical floats actuates very small reed contacts through the wall of a guide tube and these pick up an uninterrupted measuring-circuit voltage from a resistance chain. This measuring-circuit voltage is proportional to the liquid level (three-wire potentiometer circuit). The resolution of the reed contacts is available in various types. The resistance reading can be converted into an analogue signal when used with a control unit.

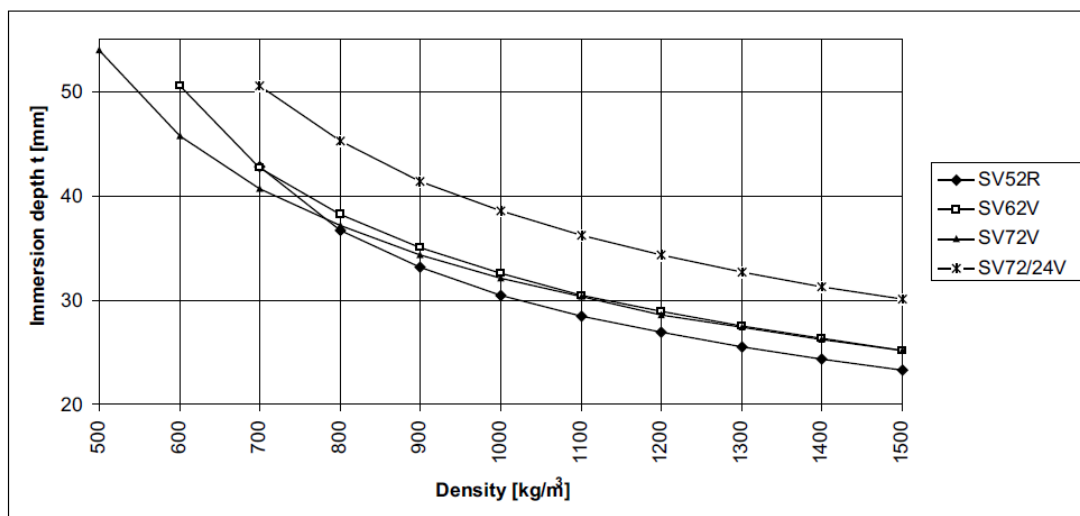


Ball float with radial - magnetic system



Type	Material	Ø A [mm]	B [mm]	Ø C [mm]	Min. gravity [kg/m ³]	Max. oper. pressure [bar]	Max. oper. temp. [°C]	Weight [g]	Immersion depth t by gravity 1 [mm]
SV52R	St. steel	52	52	15	720	40	200	38	31

Immersion depths-diagram Spherical float with radial-magnetic system



Contacts	acc. to guide tube	max. voltage	max. current	switch.capacity
Change over Normally open Normally closed	∅ 12 ... 40 mm	150 V DC / AC	0.5 A	10 VA
	∅ 12 ... 40 mm	150 V DC / AC	0.5 A	10 VA
	∅ 12 ... 40 mm	150 V DC / AC	0.5 A	10 VA
Change over Normally open Normally closed	∅ 12 ... 40 mm	230 V DC / AC	0.5 A	40 VA
	∅ 12 ... 40 mm	230 V DC / AC	1 A	100 VA
	∅ 12 ... 40 mm	230 V DC / AC	1 A	100 VA
Max. quantity	acc. to guide tube	change over	normally open	normally closed
	∅ 12 mm	4	4	4
	∅ 14 mm	4	4	4
	∅ 16 mm	5	6	6
	∅ 18 ... 40 mm	8	8	8

also with hysteresis to 10 mm possible (H)

UP TO 4 DIFFERENT LEVEL FLOATS CAN BE INSTALLED AT THE SENSOR

