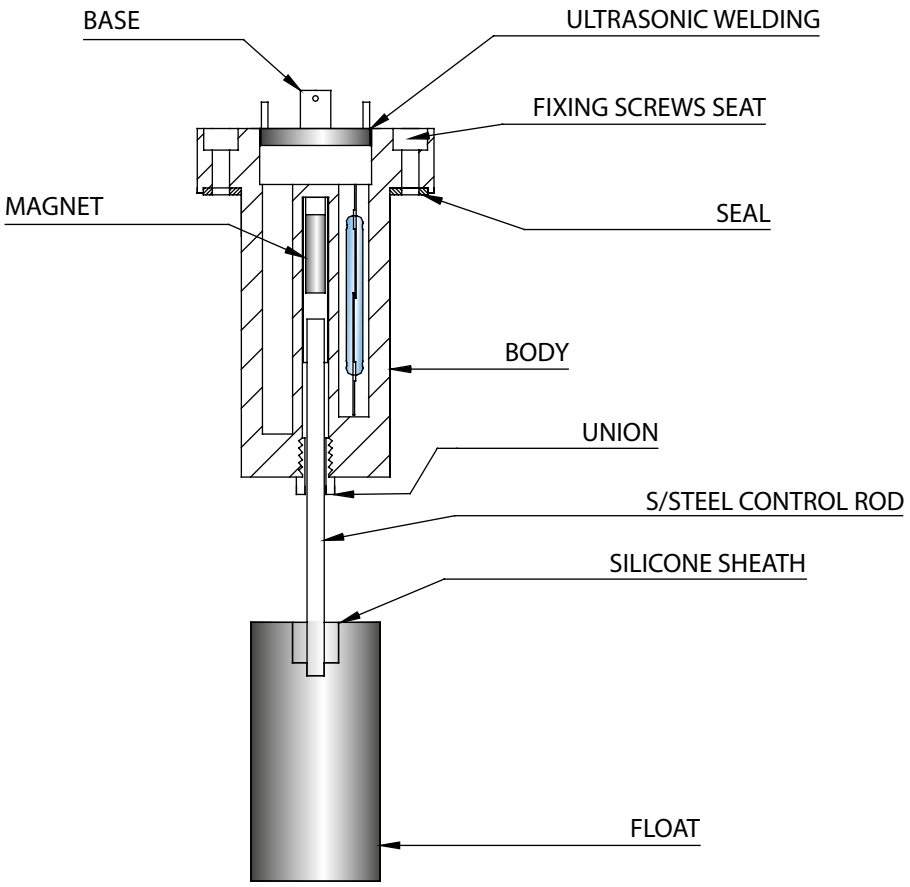
RAPID LEVEL

PATENTED LEVEL SWITCHES WITH UNIQUE CHARACTERISTICS



* The required length can be obtained simply by cutting the steel rod, using an ordinary pipe cutter; or the switching point can be varied by using a float with through hole allowing the required liquid control point to be modified whenever necessary.
* It can be used for dirty liquids, water, petroleum, cutting oils, and tolerates the presence of metal and ferrous particles, since the float does not hold a magnet and is integral with the rod.
* One float can operate just one Reed (min. or max. level), or two Reeds (min. and empty and extra max. level) thus meeting the most complex needs.
* Total safety since the electrical part is completely separate in the tank side and perfectly sealed with respect to the external side by means of ultrasonic welding.
* The nylon-glass body is very strong and very resistant with respect to chemicals, and is ideal as an insulating container for the Reed contacts.
* The Rapid Levels come standard with rods suitable for control of a max. measurement of 500 or 1000mm. To obtain specific measurements, refer to the table on the next page.
* They can be ordered already arranged for the control of predetermined measurements.



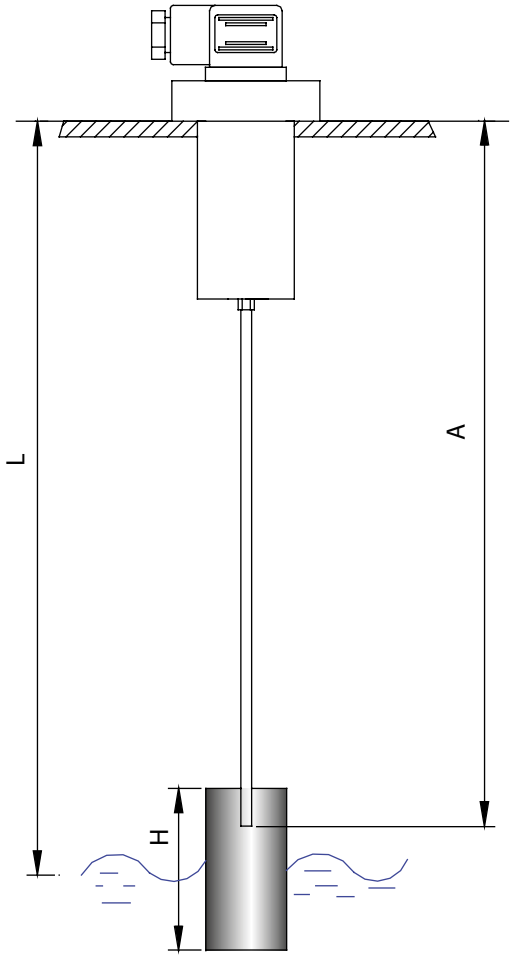
THROUGH FLOAT

On request the float can be supplied with through hole and therefore be positioned in the required position without having to cut the rod (which can therefore be as long as the height of the tank). If necessary, the liquid control point can be subsequently be modified as required by simply moving the float. Available on request with AISI 316 stop.

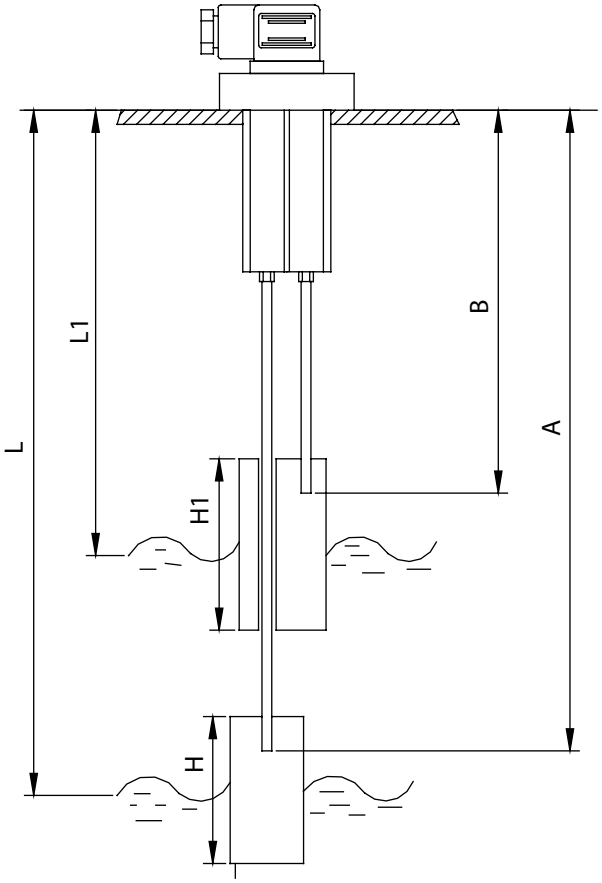
RAPID LEVEL

Rapid Level connection rod cutting table.

(NB : Carry out the cutting measurement with the rod in traction with respect to the body)



CONTROL VALUE L= (mm)	ROD CUTTING FOR MIN. LEVEL A= (mm)	CONTROL VALUE L1= (mm)	ROD CUTTING FOR MAX. LEVEL B= (mm)
90	116 H= 35		
100	116 H= 45		
110	116 H= 55		
120	116		
140	137		
160	158		
180	179	90	62 H1= 35
200	200	100	62 H1= 45
220	221	120	131
240	242	140	152
260	263	160	173
280	284	180	194
300	305	200	215
320	326	220	236
340	347	240	257
360	368	260	278
380	389	280	299
400	410	300	320
420	431	320	341
440	452	340	362
460	473	360	383
480	494	380	404
500	515	400	425
520	511	420	421
540	532	440	442
560	553	460	463
580	574	480	484
600	595	500	505
620	616	520	526
640	637	540	547
660	658	560	568
680	679	580	589
700	700	600	610
720	721	620	631
740	742	640	652
760	763	660	673
780	784	680	694
800	805	700	715
820	826	720	736
840	847	740	757
860	868	760	778
880	889	780	799
900	910	800	820
920	931	820	841
940	952	840	862
960	973	860	883
980	994	880	904
1000	1015	900	925

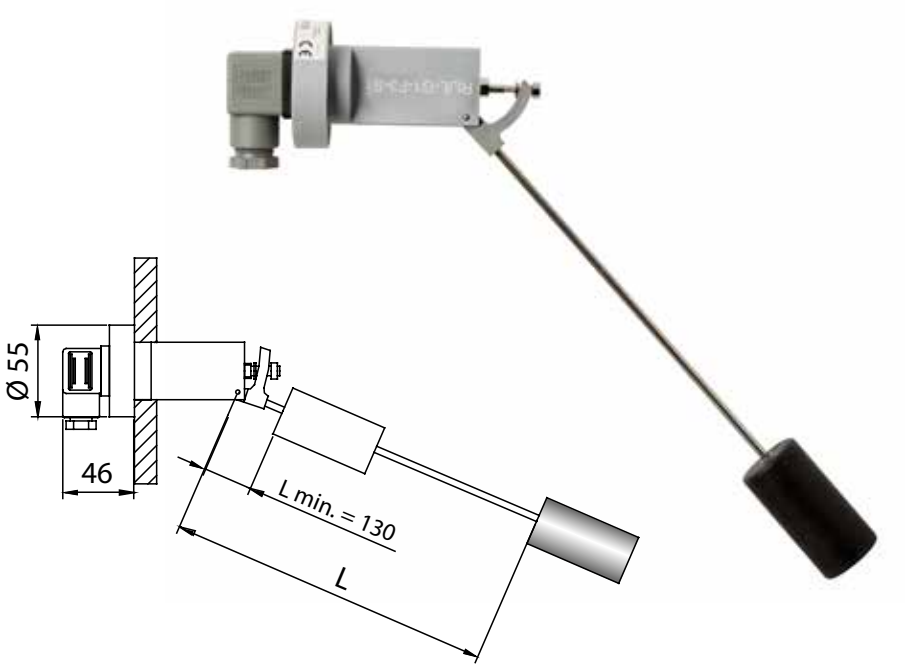


L-L1 = 100 mm
A-B = 90 mm

H = 35 (L = 90 mm)
H = 45 (L = 100 mm)
H = 55 (L = 110 mm)
H = 60 (L = 120 - 500 mm)
H = 90 (L = 501 - 1000 mm)
H1 = 35 (L1 = 90)
H1 = 45 (L1 = 100)
H1 = 70 (L1 = 120 - 1000 mm)

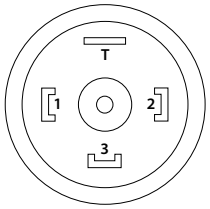
RL/G1 - L

"RAPID LEVEL" TYPE LEVEL SWITCH FOR SIDE USE



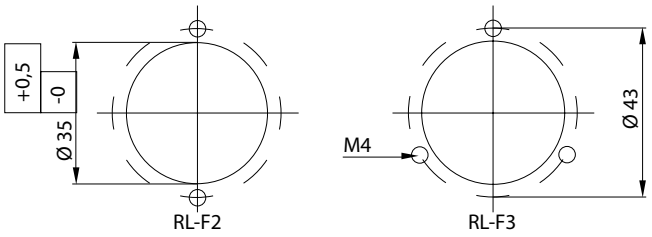
* This level switch for "side" use is very versatile: like the "RL" range, it can also be used to control the maximum or minimum level and for controlling the minimum plus empty or maximum or overflow.
* Unlike the "RL" range, the distance between the 1st and 2nd signal is not fixed, but has an angular value, which gradually increases with the length of the rod.
* This gives the designer many choices; in fact, by varying the length "L", the switching points of the 1st and 2st Reed vary (read on axis 1 and 2).
* The Level (see diagram S3) can likewise be used to start a pump (1st Reed) on axis 1; the contact will remain closed until axis 2. On axis 3 there will be the alarm signal (with diagram S4 there will also be the O.K. signal).

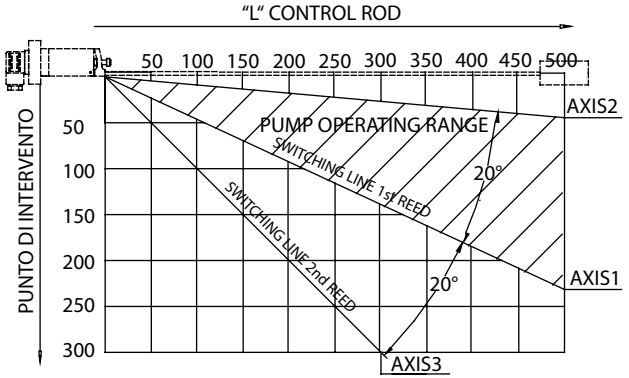
Maximum working pressure: 10Bar.



CONNECTION:
Connector CE
EN 175301-803-A IP65 PG.9/11

FIXING DIAGRAM





MODEL	PROCESS CONNECTION		ELECTRICAL CONNECTION			ROD L	ROD MATERIAL		APPLICATION		FLOAT		OPERATING TEMPERATURE		ELECTRICAL CONNECTION	
RL/G1-L	F3	Ø55 WITH 3 HOLES	S1	SPST	CLOSED IN THE ABSENCE OF LIQUID	FROM 90 TO 1000	S	AISI 304 STAINLESS STEEL	S	REED STANDARD	S	NBR STANDARD	S	-20...+80°C	1	CONNECTOR IP65
			S2	SPDT	EXCHANGE						P	NBR WITH THROUGH DRILLING			3	ALUMINUM HEAD IP68
	F2	Ø55 WITH 2 HOLES	S3	SPST	MIN.-EMPTY		I	AISI 316 STAINLESS STEEL	P	REED FOR PLC NOT APPLICABLE FOR S3 - S3A	F	NBR WITH THROUGH DRILLING AND STAINLESS STEEL AISI 316 STOPS	H	-20...+120°C	4	AISI 316 STAINLESS STEEL HEAD IP68
			S3A	SPST	MAX.-EMPTY						I *	Ø42x83 AISI 316 STAINLESS STEEL WITH AISI 316 STAINLESS STEEL STOPS			L...	L CABLE PVC (STANDARD=1000)
RL/G1-L	F3		S1			500	S		S		S		S		1	

* INSTALLATION POSSIBLE ONLY FROM INSIDE BY REMOVING THE FLOAT AS IT DOES NOT PASS FROM THE PROCESS ATTACK

ELECTRICAL CONTACTS	ELECTRICAL CHARACTERISTICS			
	POWER COMMUTABLE IN D.C.	POWER COMMUTABLE IN A.C.	CURRENT STRENGTH IN A.C.	COMMUTABLE VOLTAGE
S1 / S1A / S3 / S3A	60 W	60 V.A.	3 A	230 VDC / VAC
S2	60 W	60 V.A.	1 A	250 VDC / VAC
S1 PLC / S1A PLC	50 W	50 V.A.	1 A	250 VDC / VAC
S2 PLC	20 W	20 V.A.	1 A	150 VDC / VAC