

RL/G1

WITH 1 FLOAT

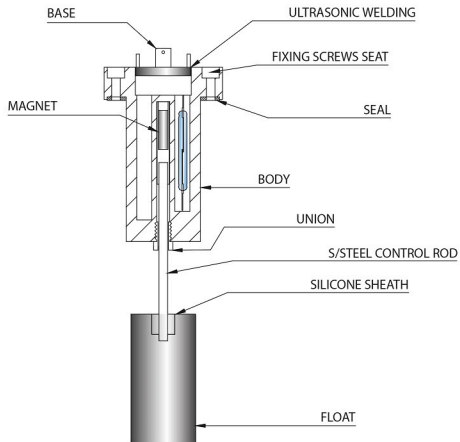


RAPID LEVEL
Patented level switches with unique characteristics.



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 and resin coating of the pins.

* 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

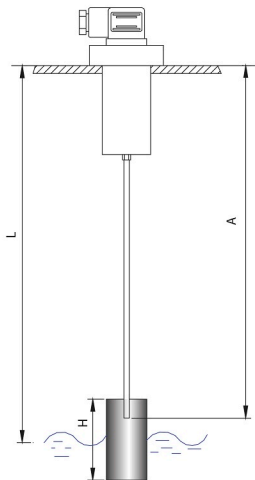


On request the float can be supplied with through hole and therefore be positioned in the required position without having to cut the rod (which can therefore be as long as the height of the tank). If necessary, the liquid control point can be subsequently be modified as required by simply moving the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

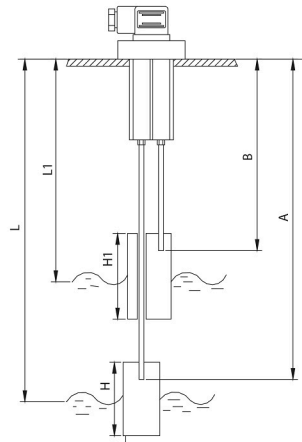
RAPID LEVEL

Rapid Level connection rod cutting table.

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



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



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-F3

RAPID LEVEL" TYPE LEVEL SWITCH WITH 1 FLOAT

RL/G1-1"GAS

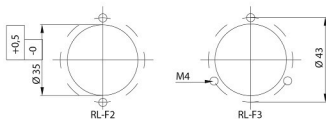
ADVANTAGES OF THE RANGE

- 1- These electromagnetic level gauges in Kits can be obtained in the required length "L" simply by cutting the control rod with an ordinary pipe cutter and press fitting the float in the cutting place (see table for cutting).
- 2- The control rod can commute the signal of 1 or 2 Reeds in sequence (with single or exchange contact).
- 3- The float does not hold magnets, therefore the Level can also be used in the presence of dirty liquids or ferrous particles.

H = 35 (L = 90 mm)
H = 45 (L = 100 mm)
H = 55 (L = 110 mm)

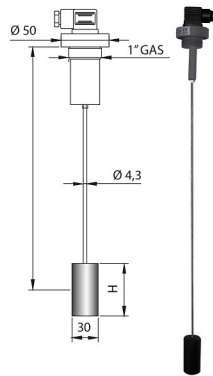
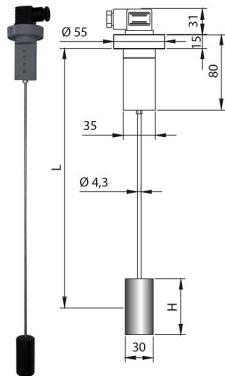
H = 60 (L = 120 - 500 mm)
H = 90 (L = 501 - 1000 mm)

FIXING DIAGRAM



CONNECTION:

Connector CE
DIN 43650 IP65 PG.9



| VERSION | CONNECTION | ELECTRICAL CONTACTS | | | | REED | EXCHANGE REED | OPERATING TEMPERATURE -20 +80°C ON REQUEST 120°C | MAX. PRESSURE 10 Bar |
|---------------------|--------------------|---------------------------------|-----------------------------------|--------------|----------------|------------------------|----------------------------------|--|----------------------|
| RL / G1 - F3 (F2) | FLANGE 3 / 2 HOLES | S1= CLOSED IN ABSENCE OF LIQUID | S1A= CLOSED IN PRESENCE OF LIQUID | S2= EXCHANGE | S3= MIN.-EMPTY | S4= SPECIAL MIN.-EMPTY | 3 A. 60V.A. 230VDC 230 VAC | | |
| RL / G1 - 1"GAS | 1" GAS | | | | | | 1A. 20W 20V.A. 150VDC 150 VAC | 0.5A. 30W 500 VDC | |
| RL / G1 - 1"1/4 GAS | 1" 1/4 GAS | | | | | | | | |
| RL / G1 - 1"1/4 NPT | 1" 1/4 NPT | | | | | | | | |