

Bulleur

REGUL'
ÉLECTRONIQUE
Peace of mind



Bulleur

Water level regulation for overflow
pools

INSTRUCTIONS
INSTALLING

16012019

DESIGNED AND MANUFACTURED IN FRANCE SINCE 1989

Precautions of use

Security

- Make sure that 240V 50 Hz the supply voltage does not exceed 240VAC-50Hz.

- If liquid or any object enters the control box, unplug the unit and have it checked by a qualified technician before returning it o service.

- Prohibition of drilling the control box
The filtration cabinet must be in the vicinity of the device and be easy to access.

After switching off the appliance with the ON/OFF switch, do not open the appliance until the lights have completely extinguished.

Do not store chemical cans near the appliance.

Returning

- Retain the original packing carton and packing material. They will be very useful if you ever need to ship the unit.

- To ensure maximum protection, repack the unit as it was factory packaged.



www.regul.fr

Regul' électronique designs and manufactures in its workshops, in France, all its products of salt electrolyse, pH regulation and regulation of water level.

Advice

- The Bulleur is an electronic device and must not be exposed to rain or moisture.

- The technical room must be properly ventilated.

- The power supply must be protected upstream by a 30 mA differential circuit-breaker.

- In order to avoid any risk of electric shock, open the cabinet only for its installation or a service intervention (to change an electronic card) after having cut off the power supply.

garantie **Warranty**

3

ans

- You have just purchased a Regul' Electronique, we thank you for your confidence.

- Unless otherwise specified ,the warranty period for our products is 3 years from the date of your

invoice.

- Excluded from the warranty are any so-called wear parts(fuses,batteries,seals,air tube, valves, pump membranes, etc).

- This guarantee is limited to the supplies of our company. It consists in the repair, by our care, and in our workshops, defects or manufacture and matter, that the customer must prove.

- The equipment must be returned free of postage. The costs of removal, rest and transport are excluded from the guarantee.

- In all cases, our responsibility is limited to the replacement of the defective parts, without any compensation or damage and interest can be claimed for any damage caused(physical etc..).

- The guarantee ceases when our materials are modified outside our workshops.

- The warranty does not apply to replacements or repairs that result from normal wear and tear of equipment, damage or accidents resulting from negligence, faulty monitoring or maintenance, improper installation or use abnormal devices.

- In the case of inadequate treatments and adjustments we cannot be held liable, in particular in the case of corrosion and defects due to excessively high operating stresses or if the equipment must therefore be operated at high speeds too sustained.

Verification before start-up

Checks to be carried out before the appliance is switched on

- Before starting, it is imperative that you have read all the information contained in this manual. The records, like the devices, evolve. Thus the revisions described in the manuals will enable you to know the perfect functioning and the modifications made.
- The Bulleur must be started when the pool is full and the buffer tank is at the ideal level.

Technical characteristics

The Bulleur has :

- A senser allowing to measure a heigh of water of 2,50 m
- A measuring rod made up of 3 PVC tubes,20 mm in diameter and 42 cm in length
- If necessary, the measuring rod can be extended by a PVC tube with a diameter of 20mm.
- An intermittent 240 V membrane compressor
- An electronic board protected by a 200 mA fuse
- A 315 mA fuse protection of the solenoid control transformer.
- A led flashes to indicate that it is faulty, preventing the malfunction of the solenoid valve.
- The 240V- 6 A drain relay is designed to operate a contactor coil and not the direct control of a power motor.

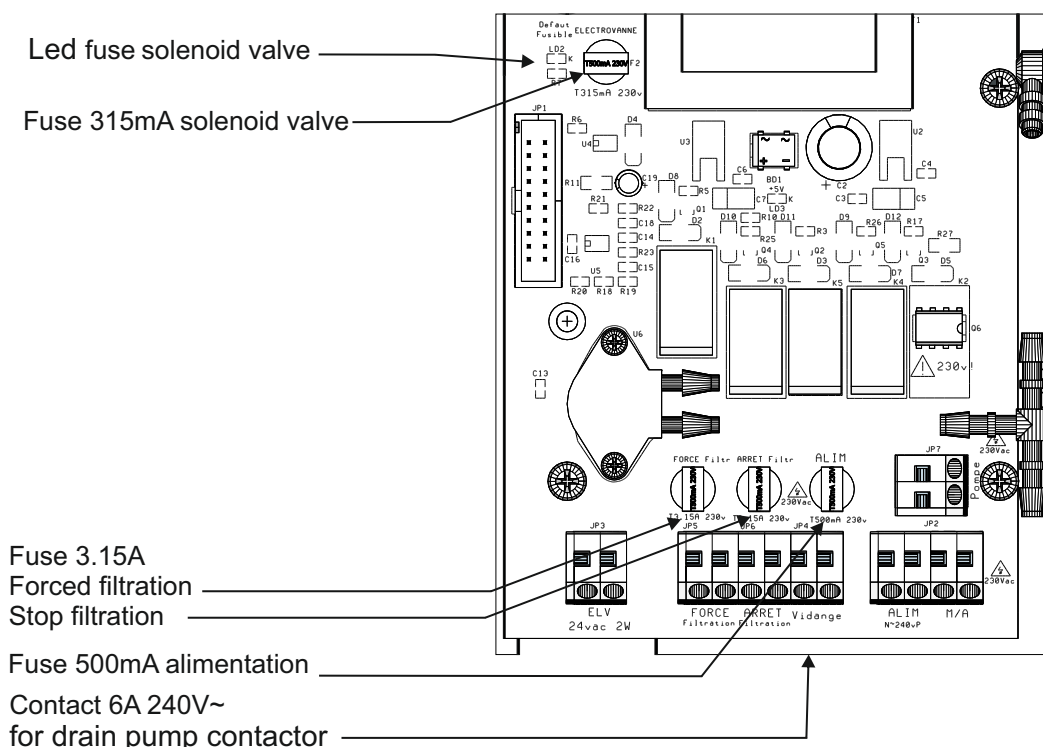


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The **Configuration** menu is used to select the active functions of the Bulleur

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4 - Calibration of thresholds

Le **Calibration** menu makes it possible to choose the water levels for each threshold

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Conditioning

Check the package to make sure it contains the following items :

- The control box and its operating instructions

- 1 x cap for measuring rod

- 2 x sleeves of 20 mm to stick

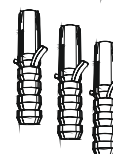
- 3 x tubes of measuring rods
(PVC of 20 mm to stick –length 420 mm)

- 2 x PVC clips and 2x stainless steel screws
(fixation of the measuring rod in the buffer tank)

- 25 m bubble tube 4/6 mm

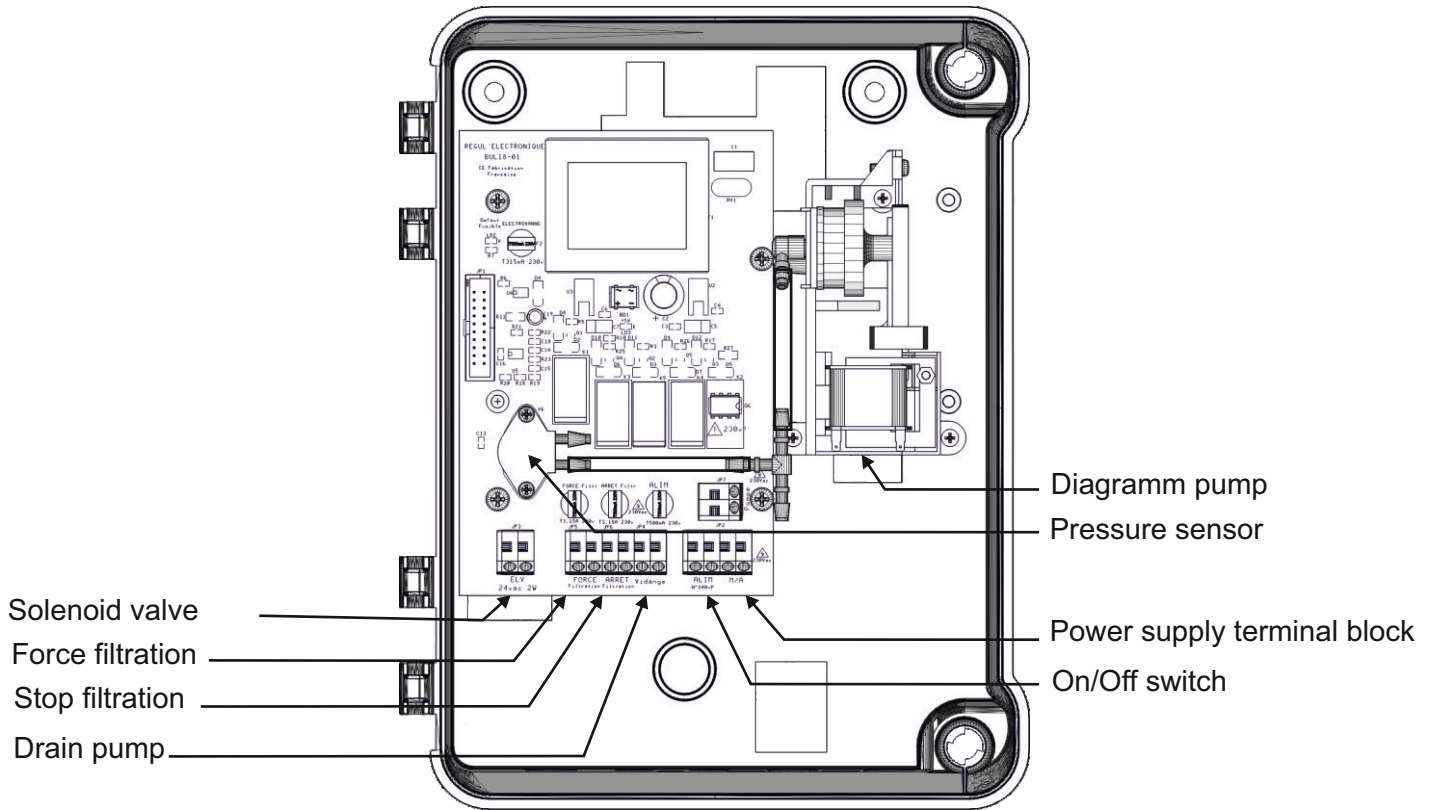
- 1 x RAINBIRD DV 100 solenoid valve

- 4 x screws and fixing pins of the control box

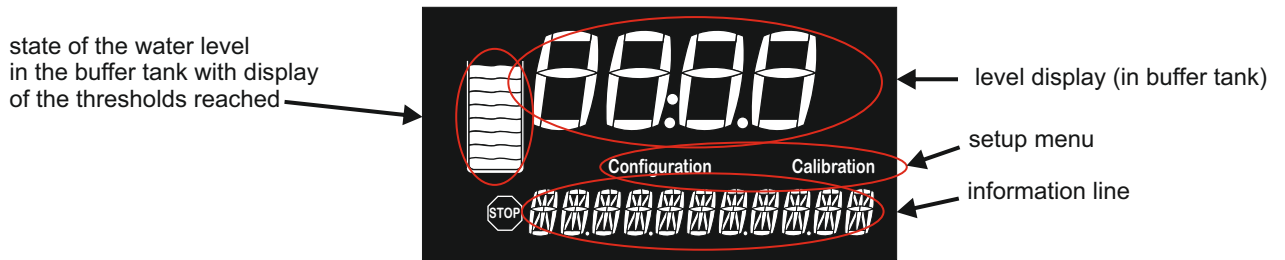


Location of operating controls

The Bulleur box

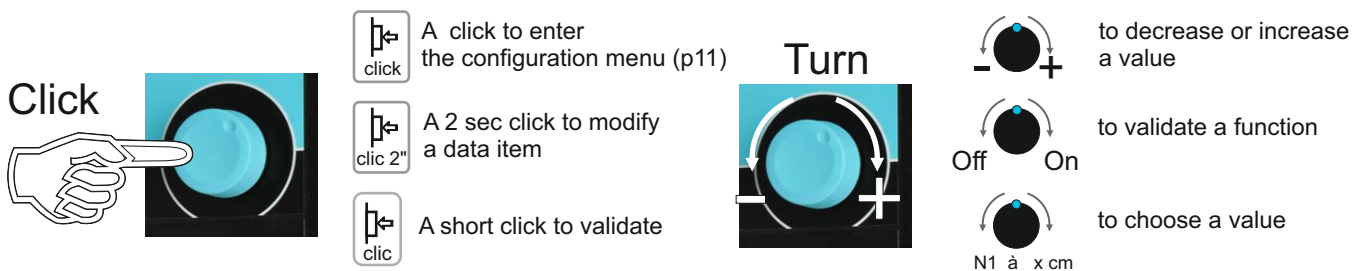


The Bulleur screen



Operating/controls button

The control knob allows by pressing to change the displayed value ,to enter certain menus and by rotating to modify a stored value



1- Installing the device

Fixing

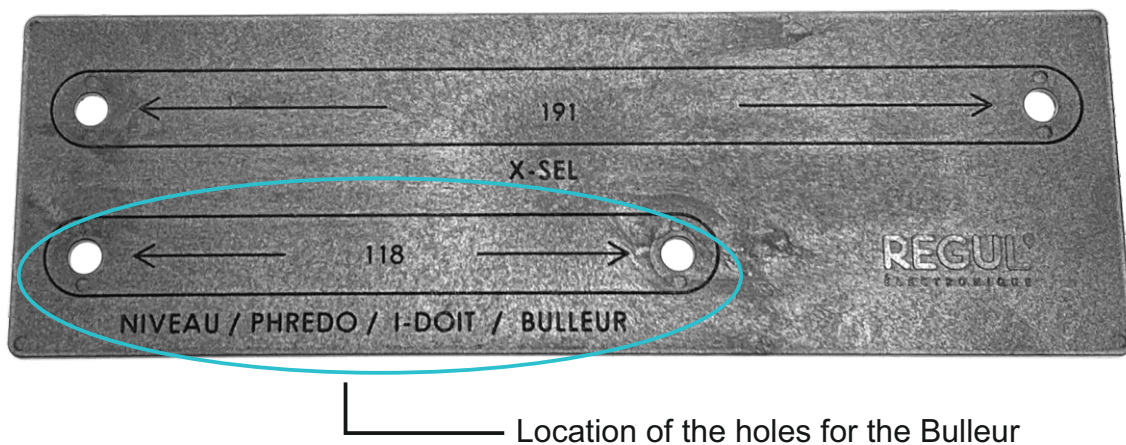
The box has a dimension of 255 x 180 mm.

In order to maintain the performance and reliability of the assembly, provide the necessary space between it and the nearest devices and obstacles.

The Bulleur is supplied with a mounting template to facilitate the installation- 4 fixing holes make it possible to assemble the assembly.

Mark the location of the holes, using a level, 6 mm holes for the provided pegs.

Gauge plate of the devices Régul'



Accessories required for wall mounting are supplied



2x stainless screws 4x35mm

Whenever possible, use the materials provided, they have been chosen for their qualities.

-stainless steel screws for better moisture resistance.



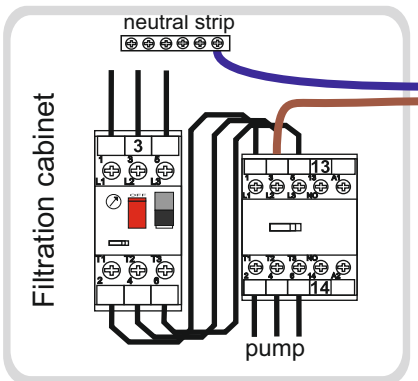
2x anchors diam.6mm

Reminder

The assembly must be secured from any water spray and in a properly ventilated room.

Connecting the device

The appliance must be wired so that it is always on (not connected to filtration).
The power cable must be plugged into the filter cabinet as shown below.



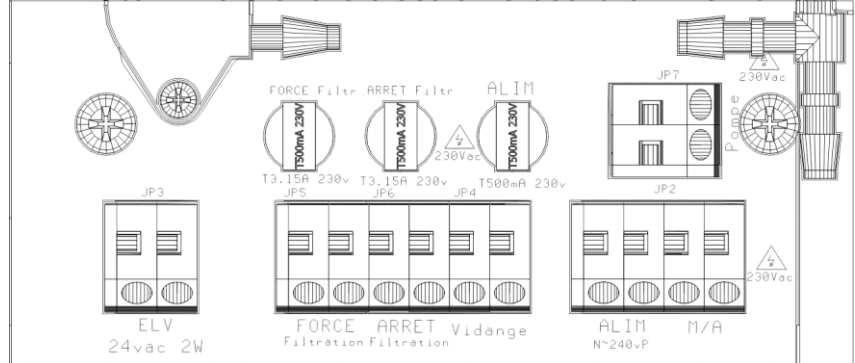
- 1- Connect the power cable of device in the filtration cabinet.
 - Phase=brown wire=on terminal 3 of the circuit breaker.
 - Neutral=blue wire=on the neutral strip.
- 2- Plug the cable into the device on the power supply terminal block.



Warning : risk of electric shock.

Before working on the device, disconnect the circuit breaker.

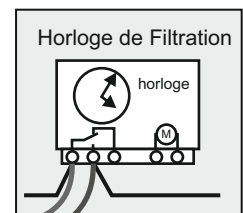
Wiring terminals of the electronic board of The Bulleur



Connecting the « filtering force »

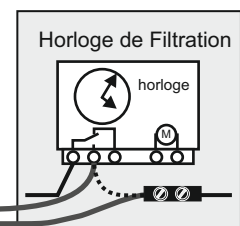
Wired by a cable 2 x1 mm² in parallel with the contact of the clock.

In order for the device to be able to force the filtration when the water level rises to level 3, closing the relay force filtration will make it



Connecting the « filtration stop »

Wired by a 2 x 1mm² cable in serie on the clock contact. Disconnect the wire connected to the filter clock contact. Connect one of the wires to this contact and then the other by a quick connection on the left wire-In contrast to the filtration force, for safety reasons, it is necessary to be able to stop the filtration, in particular when the level is too low.



Connecting the « electro valve »

The Bulleur provides on the solenoid valve connector the 24 V required to supply the valve in option (1" RAINBIRD DV100FF).



Connecting the « drain pump »

It is possible to drive a drain pump in the event of an overflow caused by rain, connect to the connector a drain pump by a contactor or a power relay.

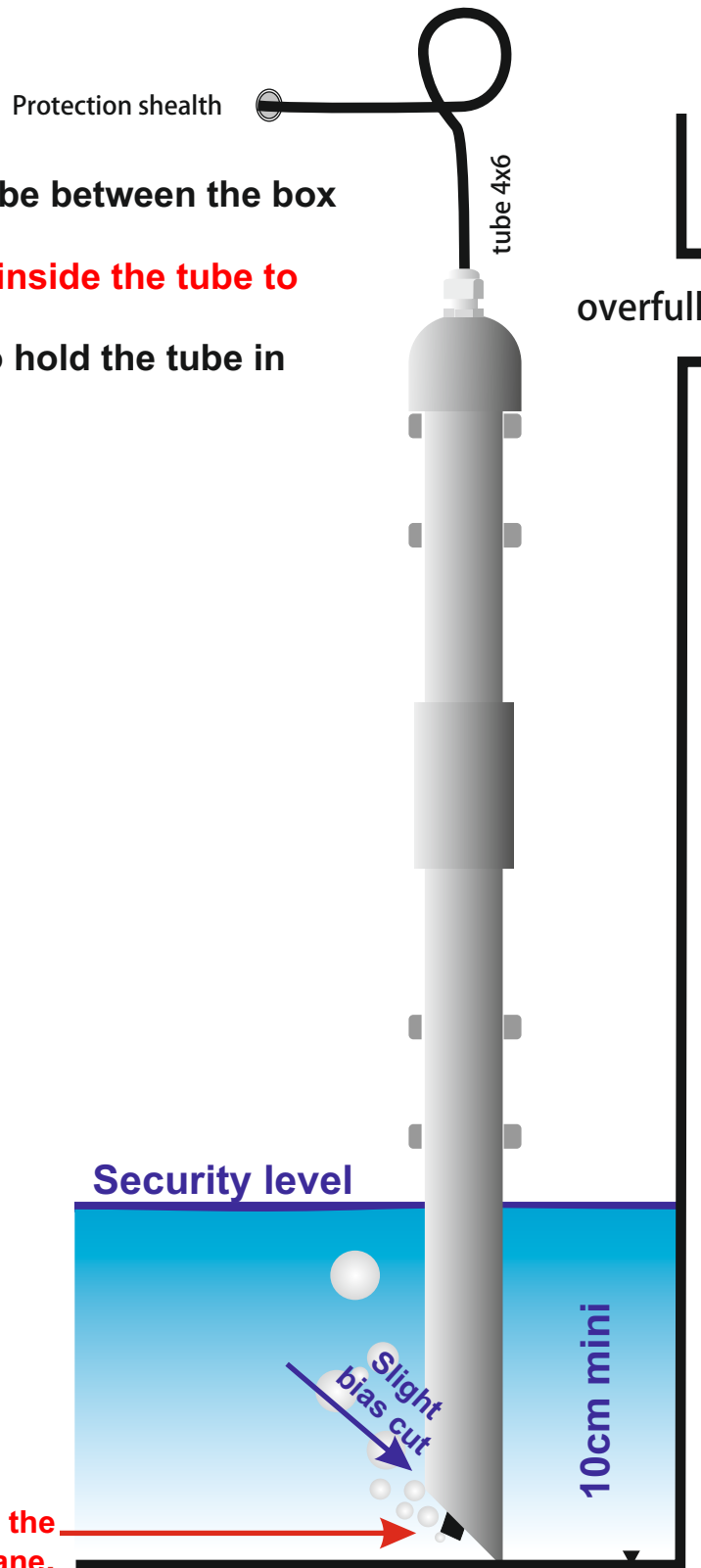
2 - Hydraulic installation

Installation of the measuring rod

Connect the 4 x 6 mm tube between the box and measuring rod.

The tube must go down inside the tube to the bottom of the rod.

The gland only serves to hold the tube in the measuring rod





The tube must descend to the bottom of the cane.

This is the place where the bubbles come out as the measurement is made

3 - Configuration menu


The Bulleur has a button inside the cabinet to adjust various parameters of the installation
The « configuration » menu allows you to select the original functions

 a long click on the button
to modify a data

 a single click
to validate

When the Bulleur is switched on,
on the display a segment loops for 3 sec, press the key to enter
the setup/configuration menu



 Configuration
then appears on the screen

Configuration

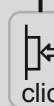
Security filling



factory setting 1h

 -Configuration-
flashes


from off to 3h(30 min steps)
security
too much filling
« DEF REEMPLIS »
is displayed after the set
continuous filling time

 clic


Tempo rain



factory setting 1h

 -Configuration-
flashes

from off to 3hours(30 min steps)
security
after reaching N3
stopping the filtering
force at the end of
the set tempo filtration
is restarted for 15 min
every 60 min

 clic


Function Emptying



factory setting OFF


 -Configuration-
flashes

OFF ON
If « ON » the drain
pump is controlled at
the set threshold
until it falls below
the threshold N2

 clic

Factory setting



 -Configuration-
flashes

« NON ou OUI »
Back to
all factory settings,
configurations
and levels

 clic

Return

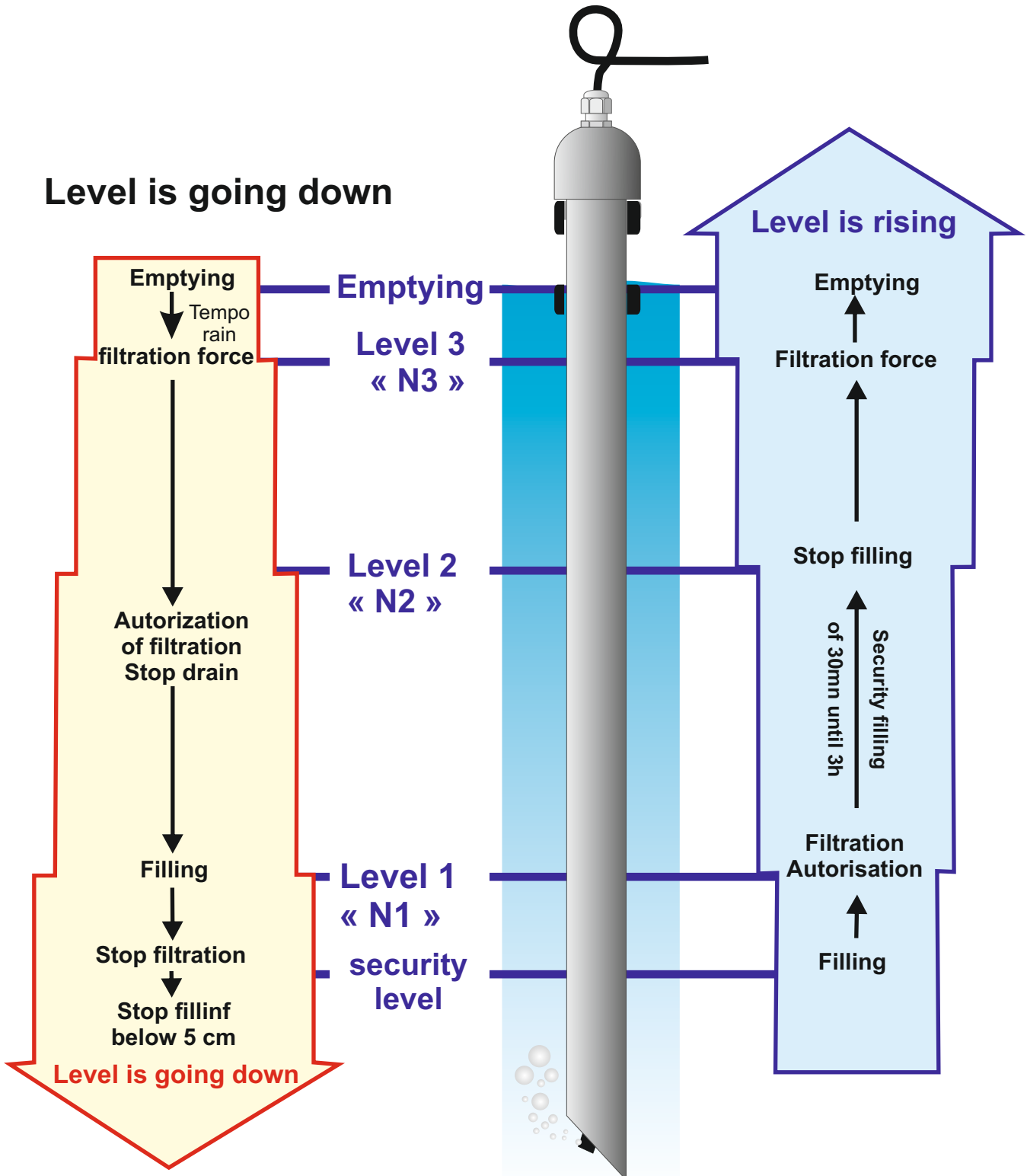
Security filling
to exit the menu
switch off the device

Warning

« OFF » makes it possible not to take it into account a function
For exemple:
OFF filling (more filing safety)
OFF tempo rain (filtration is forced whenever the level
is above N2)
OFF drain (removes the control function of a drain pump)

4 - Calibration of thresholds

Schematic diagram



Functionalities of each threshold

Settings see page 14

The Bulleur has 5 levels adjustable individually to cm

stop filling flashes



stop filtration flashes



stop filtration flashes

Level S

Low level of safety allowing to stop the filtration when the level of water descends below it.

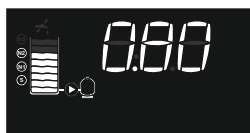
The filtration will be allowed in automatic mode only above level N1. The filling is stopped by safety below a level of 5 cm(safety of measuring tube tube cut or unplugged).



filling

- Level N1

Filling level with control of the solenoid valve when the water level drops below and stops the filling above N2.



filtration automatic mode
pump not flashes

- NIVEAU N2

Filling level above.
Return to automatic mode (stopping the filtration force)when the level drops below after reaching N3.
Stop the drain when the level drops below after reaching the drain level.
Return in auto mode of filtration after the rain tempo.



filtration force
pump flashes

- Level N3

Level filtration force as the level rises above,if the tempo rain is chosen,(in configuration menu)the force filtration stops at the end of it,it is restarted for 15 min every 60 min to avoid a reset in manual way,by emptying,backwashing etc



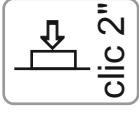
EMPTYING

- Level emptying

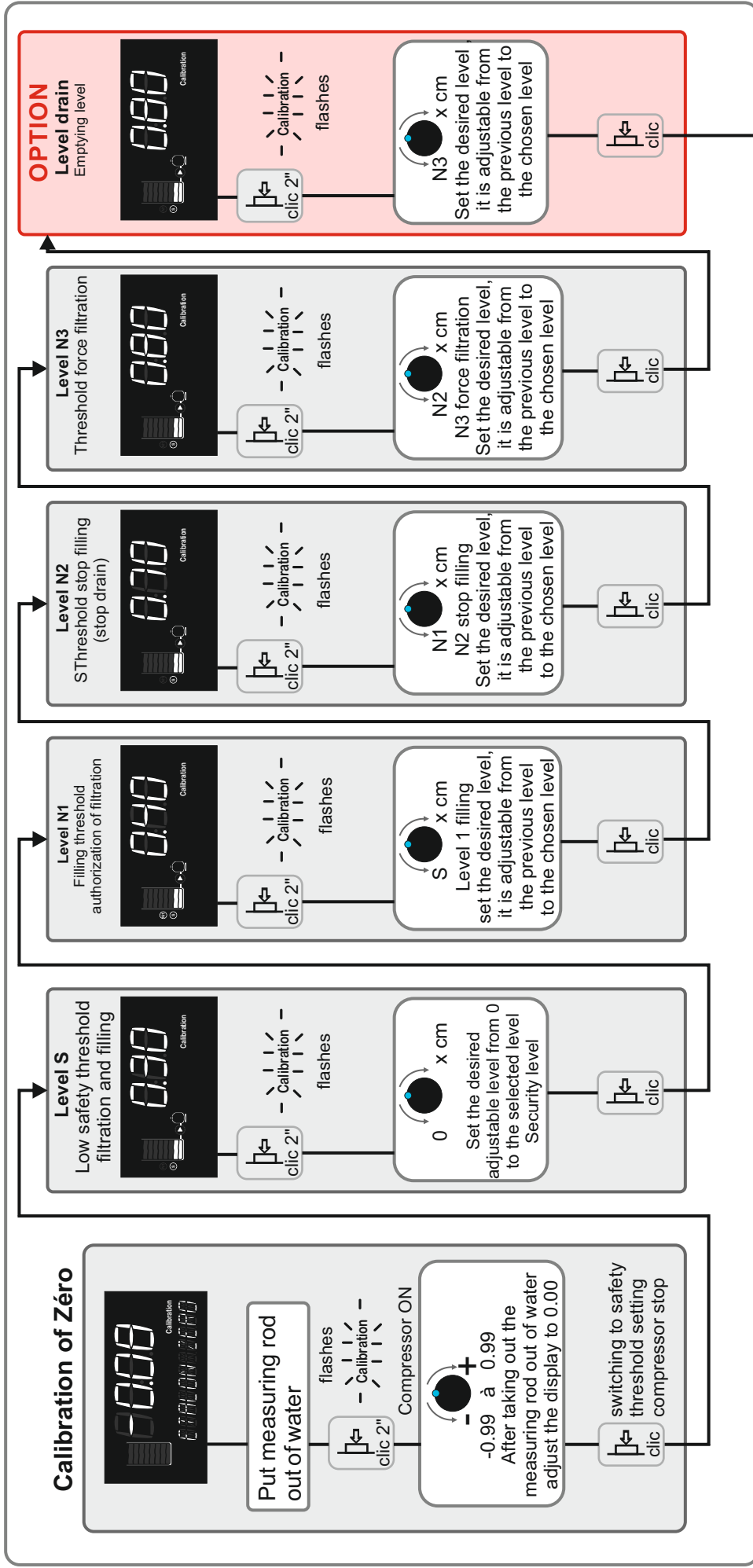
(appears only if the function is selected in the configuration menu)
Controls a drain pump if level passes this threshold
Stopping the drain below N2
Blinking tray display

calibration of the levels

At any time a « 2 seconds » click allows to adjust one or more levels, the calibration message is displayed and then flashes after a second long « 2 seconds » click, if the value needs to be changed.



a long clic allows by click on the button to enter in the menu. and by a second click of 2" to modify a data.



Calibration of zéro and the thresholds

Exit the menu of calibration

5- Additional displays

Special cases and anomalies



- Adjustment error (ERR REGLAGE)

Levels are not set in ascending order, the levels concerned blink here, N1 and N2.



- FILLING LEVEL PROBLEM (REPLISSAGE)

(setting from OFF to 3h-see page 12)

A continuous filling not making it possible to reach the level N2, exceeding the set time make it possible to detect an excess of filling.

dEF flashes at the same time as the bar on the faucet to indicate that the filling is stopped.

To cancel this fault, press and hold the button until it disappears..



- TEMPO RAIN (TEMPO PLUIE)

(setting from OFF to 3h-see page 12)

The level N3 can be reached during a heavy rain, the filtration is then forced down again below N3 (little chance in case of heavy rain) the time delay then makes it possible to stop the filtration force at the end of it in order to return to self filtration mode and to prevent the filtration pump from continuously operating.

During the delay time, the display shows « force filtration »



At the end of the time delay the display shows RAIN MODE (MODE PLUIE) until the level drops below level N3 by manual draining, successive backwashes or after the natural evaporation of the pool water

To ensure that the filtration restarts automatically it is restarted for 15 min every 60 minutes.

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