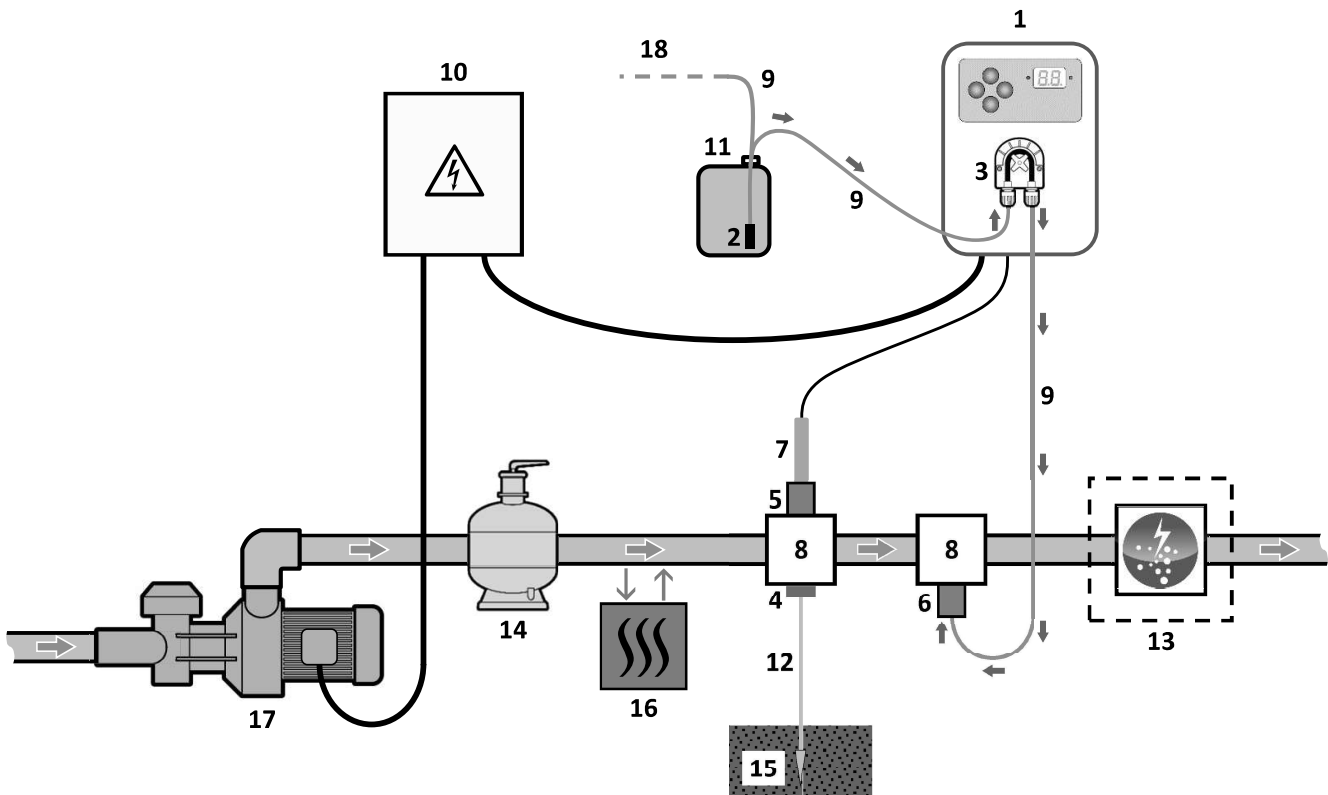


# 1. INSTALLATION DIAGRAM



- The pH corrector container must be kept 2 metres away from any electrical device or any other chemicals. In order for acid fumes to be expelled outside the pool house, a venting system must be placed on the pH corrector's hermetic cap. Failure to follow these instructions may lead to abnormal oxidation of metal parts, possibly resulting in complete device failure. Personal protective equipment (glasses with side protection, suitable gloves, refer to the product's safety data sheet) must be worn whenever handling the pH corrector or the injection circuit.
- Never use hydrochloric acid, as this may lead to irreversible damage to the device and void the warranty. Only use a sulphuric acid- or alkali-based pH corrector product recommended by your professional dealer. Please note that use of a multi-acid pH corrector requires increased maintenance, and its use may also lead to premature wear of the pH circuit and void the warranty. Refer to the product's safety data sheet.



- 1 : Electronics box
- 2 : Ballast filter
- 3 : Peristaltic pump
- 4 : Pool Terre *(optional)*
- 5 : Probe holder
- 6 : Injection connector
- 7 : pH probe
- 8 : Bracket
- 9 : Semi-flexible tubing

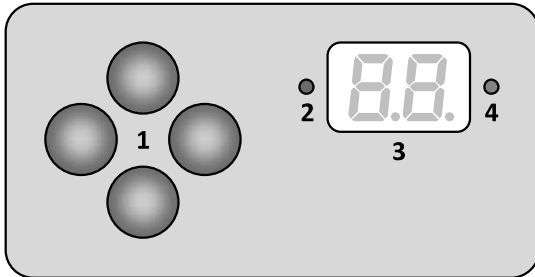
### **ELEMENTS NOT SUPPLIED :**

- 10 : Electrical power supply
- 11 : pH corrector container
- 12 : Copper cable
- 13 : Electrolysis cell
- 14 : Filter
- 15 : Ground rod
- 16 : Heat pump
- 17 : Filtration pump
- 18 : Venting system

## 2. ELECTRONICS BOX

### 2.1. Interface

Non-contractual visual :



**1 : Command keys**

**2 : Red LED**

If lit continuously : electronics box stopped.

If flashing : RL alarm triggered.

**3 : Screen**

Default display : pH measurement.

**4 : Green LED**

If lit continuously : electronics box in operation.

If flashing : peristaltic pump running.

### 2.2. Switching on and off

Make a long press on the left key.

→ When switching on, a chaser is displayed for a few seconds, then the pH measurement is displayed.  
The pH regulation is activated automatically.

### 2.3. Meaning of menus

MENU	FUNCTIONALITY
SE	Adjustment of the pH setpoint
CR	Calibration of the pH probe
Co	Specification of the type of pH corrector used
CC	Specification of the pH concentration rate used
RR	Manual injection of pH corrector
Rd	Adjustment of the pH measurement
CP	Specification of basin volume

### 2.4. Adjustment of the pH setpoint

- Possible settings : from 6.8 to 7.6, in steps of 0.1.
- Default setting : 7.2.

- 1) Make a long press on the right key until the message RR flashes.
- 2) Press the up or down key x times until the message SE flashes.
- 3) Press the right key : the flashing value is the saved setpoint.
- 4) Select a value with the up/down keys.
- 5) Press the right key to validate : the selected value freezes briefly, then the message SE flashes.
- 6) Press the left key twice to return to the default display.

## 2.5. Calibration of the pH probe

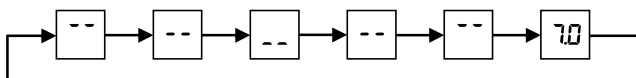
→ The supplied pH probe is already calibrated. It is therefore not necessary to calibrate the pH probe when the equipment is put into service for the first time.



**However, in order to ensure optimal pH regulation, it is imperative to calibrate the pH probe at the start of each season when putting back into service, and after each replacement of the probe.**

- 1) Switch off the filtration (and therefore the electronics box).
- 2) Open the standard solutions pH 7 and pH 10 (use only single-use standard solutions).
- 3) If the probe is already installed :
  - a) Extract the probe from the probe holder, without disconnecting it.
  - b) Remove the nut from the probe holder and replace it with the plug provided.

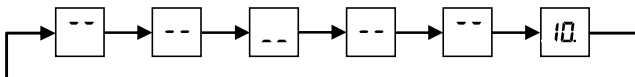
If the probe is not yet installed :  
Connect the probe to the electronics box.
- 4) Switch on the electronics box.
- 5) Make a long press on the right key until the message **FR** flashes.
- 6) Press the up or down key x times until the message **CR** flashes.
- 7) Press the right key to validate : the message **7.0** flashes.
- 8) Insert the probe into the pH 7 standard solution, then wait a few minutes.
- 9) Press the right key : the display below appears.



Do not touch the probe during this time, and wait until you get one of the displays below.

- 10) 2 Possibilities :
  - The message **i0** flashes. In this case, go to step 11.
  - The message **Er** is displayed : calibration failed. To acknowledge this display, press the left key. In this case, visually check the condition of the probe, then attempt the calibration again, several times if necessary. If the calibration still fails, change the probe and recalibrate.
- 11) Insert the probe into the pH 10 standard solution, then wait a few minutes.

- 12) Press the right key : the display below appears.



Do not touch the probe during this time, and wait until you get one of the displays below.

- 13) 2 Possibilities :
  - The message **0h** is displayed briefly, then the message **CR** flashes. Calibration is complete.
  - The message **Er** is displayed : calibration failed. In this case, visually check the condition of the probe, then attempt the calibration again, several times if necessary. If the calibration still fails, change the probe and recalibrate.

→ To acknowledge these displays, press the left key twice : the default display appears.



**The pH 7 and pH 10 standard solutions are for single use. To avoid handling errors, discard these solutions after use.**

## 2.6. Specification of the type of pH corrector used

- **Possible settings :**  $R\bar{L}$  (*acidic*),  $bR$  (*basic*).
- **Default setting :**  $R\bar{L}$ .

- 1) Make a long press on the right key until the message  $R\bar{R}$  flashes.
- 2) Press the up or down key x times until the message  $\bar{L}0$  flashes.
- 3) Press the right key : the flashing message corresponds to the type of pH corrector recorded.
- 4) Select a type of pH corrector with the up/down keys.
- 5) Press the right key to validate : the type of pH corrector selected freezes briefly, then the message  $\bar{L}0$  flashes.
- 6) Press the left key twice to return to the default display.

## 2.7. Specification of the pH concentration rate used

- **Possible settings :** from  $05$  to  $55$  (i.e. from 5% to 55%, in steps of 1%).
- **Default setting :**  $37$

- 1) Make a long press on the right key until the message  $R\bar{R}$  flashes.
- 2) Press the up or down key x times until the message  $\bar{L}\bar{L}$  flashes.
- 3) Press the right key : the flashing value is the pH concentration rate recorded.
- 4) Select a value with the up/down keys.
- 5) Press the right key to validate : the selected value freezes briefly, then the message  $\bar{L}\bar{L}$  flashes.
- 6) Press the left key twice to return to the default display.

## 2.8. Manual injection of pH corrector

→ This function also allows you to prime the peristaltic pump.

- **Possible settings of the injection duration :** from  $01$  to  $60$  (i.e. from 1 s to 60 s, in steps of 1 s), then from  $11$  to  $95$  (i.e. from 1 min 10 s to 9 min 50 s, in steps of 10 s).
- **Setting the default injection duration :**  $60$ .
- **To set the injection duration and then start the injection :**
  - 1) Make a long press on the right key until the message  $R\bar{R}$  flashes.
  - 2) Press the right key : the default injection duration flashes (60 s).
  - 3) Select an injection duration with the up/down keys.
  - 4) Press the right key to validate the duration and start the injection : the injection duration is displayed in real time (time countdown).  
→ To stop the injection before the time has elapsed, press the left or right key.
  - 5) When the injection is complete, press the left key twice to return to the default display.

## 2.9. Adjustment of the pH measurement

**Possible settings :** from 6.5 to 7.5, in steps of 0.1.

- 1) Make a long press on the right key until the message  $R\bar{R}$  flashes.
- 2) Press the up or down key x times until the message  $Rd$  flashes.
- 3) Press the right key.
- 4) Select a value with the up/down keys.
- 5) Press the right key to validate.
- 6) 2 Possibilities :
  - The message  $0h$  is displayed briefly, then the message  $Rd$  flashes : the adjustment is complete.
  - The message  $Er$  is displayed briefly, then the message  $Rd$  flashes : the adjustment failed. In this case, visually check the state of the pH probe, then attempt an adjustment again, several times if necessary. If the adjustment still fails, change the pH probe and perform a pH probe calibration.
- 7) Press the left key twice to return to the default display.

## 2.10. Specification of basin volume

- **Possible settings** : by code, according to the tables below.

Basin volume	Code
from 0 to 1 m <sup>3</sup>	01
from 1 to 2 m <sup>3</sup>	02
from 2 to 3 m <sup>3</sup>	03
from 3 to 4 m <sup>3</sup>	04
from 4 to 5 m <sup>3</sup>	05
from 5 to 6 m <sup>3</sup>	06
from 6 to 7 m <sup>3</sup>	07
from 7 to 8 m <sup>3</sup>	08
from 8 to 9 m <sup>3</sup>	09
from 9 to 10 m <sup>3</sup>	10

Basin volume	Code
from 10 to 15 m <sup>3</sup>	11
from 15 to 20 m <sup>3</sup>	12
from 20 to 25 m <sup>3</sup>	13
from 25 to 30 m <sup>3</sup>	14
from 30 to 35 m <sup>3</sup>	15
from 35 to 40 m <sup>3</sup>	16
from 40 to 45 m <sup>3</sup>	17
from 45 to 50 m <sup>3</sup>	18
from 50 to 55 m <sup>3</sup>	19
from 55 to 60 m <sup>3</sup>	20

Basin volume	Code
from 60 to 70 m <sup>3</sup>	21
from 70 to 80 m <sup>3</sup>	22
from 80 to 90 m <sup>3</sup>	23
from 90 to 100 m <sup>3</sup>	24
from 100 to 110 m <sup>3</sup>	25
from 110 to 120 m <sup>3</sup>	26
from 120 to 130 m <sup>3</sup>	27
from 130 to 140 m <sup>3</sup>	28
from 140 to 150 m <sup>3</sup>	29
from 150 to 160 m <sup>3</sup>	30

- **Default setting** : 20.

- 1) Make a long press on the right key until the message  $\overline{PR}$  flashes.
- 2) Press the up or down key x times until the message  $\overline{CP}$  flashes.
- 3) Press the right key : the flashing code corresponds to the basin volume recorded.
- 4) Select a code with the up/down keys.
- 5) Press the right key to validate : the selected code freezes briefly, then the message  $\overline{CP}$  flashes.
- 6) Press the left key twice to return to the default display.

## 2.11. Alarms

Flashing display	Fault detected	Immediate automatic action	Checks and remedies	Acknowledgment
pH measurement	Difference of + or - 0.5 between the pH measurement and the pH setpoint	-	<p>Manually measure the pH with a recent test kit.</p> <p>→ <u>If the value obtained corresponds to the value displayed :</u></p> <ol style="list-style-type: none"> <li>a) Switch off the electronics box.</li> <li>b) Pour the pH corrector (acidic if the pH is too high, or basic if the pH is too low) into the basin, near the delivery nozzles, so as to obtain a pH of around 7.2.</li> <li>c) Wait 30 minutes.</li> <li>d) Restart the electronics box.</li> <li>e) Check that the pH measured by the electronics box is approximately 7.2.</li> </ol> <p>→ <u>If the value obtained does not correspond to the value displayed :</u> Perform a pH probe calibration.</p>	Automatic
$\overline{RL}$	Succession of several unsuccessful attempts to correct the pH	pH regulation stopped	<ul style="list-style-type: none"> <li>- Check that the pH corrector container is not empty. If the container is empty, replace it then perform a manual injection of pH corrector.</li> <li>- Check the condition of the ballast filter and the injection connector.</li> <li>- Carry out a calibration of the pH probe.</li> </ul>	Press the right key

### 3. GUARANTEE

Before contacting your dealer, please have the following to hand :

- your purchase invoice.
- the serial no. of the electronics unit.
- the installation date of the equipment.
- the parameters of your pool (salinity, pH, chlorine levels, water temperature, stabilizer level, pool volume, daily filtration time, etc.).

Every effort and all our technical experience has gone into designing this equipment. It has been subjected to quality controls. If, despite all the attention and expertise involved in its manufacture, you need to make use of our guarantee, it only applies to free replacement of the equipment's defective parts (excluding shipping costs in both directions).

#### **Guarantee period (proven by date of invoice)**

Electronics box : 2 years.

pH probe : depending on model.

Repairs and spare parts : 3 months.

The periods indicated above correspond to standard guarantees. However, these can vary depending on the country of installation and the distribution network.

#### **Scope of the guarantee**

The warranty covers all parts, with the exception of wearing parts that must be replaced regularly.

The equipment is warranted against manufacturing defects within the strict limitations of normal use.

Never use hydrochloric acid, as this may lead to irreversible damage to the device and void the warranty. Only use a sulphuric acid- or alkali-based pH corrector product recommended by your professional dealer. Please note that use of a multi-acid pH corrector is not recommended, and its use may also lead to premature wear of the pH circuit and void the warranty. Refer to the product's safety data sheet.

#### **After-sales services**

All repairs will be performed in the workshop.

Shipping costs in both directions are at the user's own expense.

Any downtime and loss of use of a device in the event of repairs shall not give rise to any claim for compensation.

In all cases, the equipment is always sent at the user's own risk. Before taking delivery, the user must ensure that it is in perfect condition and, if necessary, write down any reservations on the shipping note of the carrier. Confirm with the carrier within 72 hours by recorded letter with acknowledgement of receipt.

Replacement under guarantee shall in no case extend the original guarantee period.

#### **Guarantee application limit**

In order to improve the quality of their products, the manufacturer reserves the right to modify the characteristics of the products at any time without notice.

This documentation is provided for information purposes only and is not contractually binding with respect to third parties.

The manufacturer's guarantee, which covers manufacturing defects, should not be confused with the operations described in this documentation.

Installation, maintenance and, more generally, any servicing of the manufacturer's products should only be performed by professionals.

This work must also be carried out in accordance with the current standards in the country of installation at the time of installation. The use of any parts other than original parts voids the guarantee ipso facto for the entire equipment.

*The following are excluded from the guarantee :*

- Equipment and labour provided by third parties in installing the device.
- Damage caused by installation not in compliance with the instructions.
- Problems caused by modifications, accidents, misuse, negligence of professionals or end users, unauthorised repairs, fire, floods, lightning, freezing, armed conflict or any other force-majeure events.

Any equipment damaged due to non-compliance with the instructions regarding safety, installation, use and maintenance contained in this documentation will not be covered by the guarantee.

Every year, we make improvements to our products and software. These new versions are compatible with previous models. The new versions of hardware and software cannot be added to earlier models under the guarantee.

#### **Implementation of the guarantee**

For more information regarding this guarantee, contact your dealer or our After-Sales Service. All requests must be accompanied by a copy of the purchase invoice.

#### **Legislation and disputes**

This guarantee is subject to French law and all European directives or international treaties in force at the time of the claim, applicable in France. In case of disputes concerning its interpretation or execution, the High Court of Montpellier (France) shall have exclusive jurisdiction.