



USER MANUAL

SALICLOR

Automatic Water Treatment System by Saline
Electrolysis

Saliclor Serie L



Saliclor Serie LS



Saliclor Serie LMg



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Thank you for choosing a SALICLOR saline chlorinator for your pool.

Please read these instructions carefully to fully benefit from the correct operation of your new saline chlorinator and to avoid potential warranty cancellation.

Keep this instruction manual for any necessary consultation during the equipment's lifespan and to resolve future issues.

PRESENTATION

Thank you for purchasing a TEAP, S.L. device.

From now on, you will enjoy perfect pool maintenance in an automated way and most importantly, without any chemical products, thereby safeguarding your health and that of all swimmers enjoying your pool.

Whether you have acquired a standard **SALICLOR L**, a low-salt **SALICLOR LS**, or a **SALICLOR LMg** designed for using magnesium salt in your pool, TEAP, S.L. devices are characterized by their efficiency, advanced technology, and national manufacturing.

Your TEAP, S.L. device will provide you with the following advantages:

- Elimination of chemical products.
- Automation and control of water parameters.
- Great comfort and bathing quality.
- Relief from skin conditions and prevention of chlorine allergies.
- Avoidance of eye, mucous membrane, and skin irritation.
- No need for swim caps or goggles.
- Reduced presence of certain insects.
- Easy installation for a qualified installer.
- Great simplicity of use.
- Low maintenance costs and energy savings.

Thank you for trusting TEAP, S.L.

WARNING

IMPORTANT SAFETY INSTRUCTIONS

- Failure to comply with these warnings could damage the equipment or even cause serious injury.
- The equipment must be installed by a qualified professional following the manufacturer's instructions and complying with local regulations.
- Incorrect installation and/or use may cause material damage.
- This equipment is designed for exclusive use in pools and must not be used for any other purpose than intended.
- Children must be supervised at all times to ensure they do not play with or manipulate the equipment.
- Disconnect the device from the power supply before performing any intervention.
- Do not pull the power cord to unplug the equipment; use the plug itself.
- If the power cord is damaged, it must be replaced by qualified personnel to avoid hazards.
- Ensure the electrical outlet to which the equipment will be connected is protected against short circuits.
- The equipment requires a 220V alternating current (A.C.) connection with a ground. Do not connect to higher alternating currents to avoid the risk of electric shock or short circuit.
- The slots on the back are provided for necessary ventilation. To prevent overheating, these slots must not be covered.
- Do not immerse the device in water or any other liquid.
- Any modification to the safety features included in the equipment will automatically void the warranty, as will the use of non-original parts.
- Chemicals can cause internal or external burns. To avoid injuries, use appropriate protective equipment when maintaining the device.
- This equipment must be installed in a sufficiently ventilated enclosure.

RECYCLING



Do not dispose of the device in the trash. It must be placed in a suitable recycling container

INSTALLATION AND ASSEMBLY INSTRUCTIONS

The installation of the central unit and electrolytic cell will depend on the specific conditions of each pool's purification system and the available space.

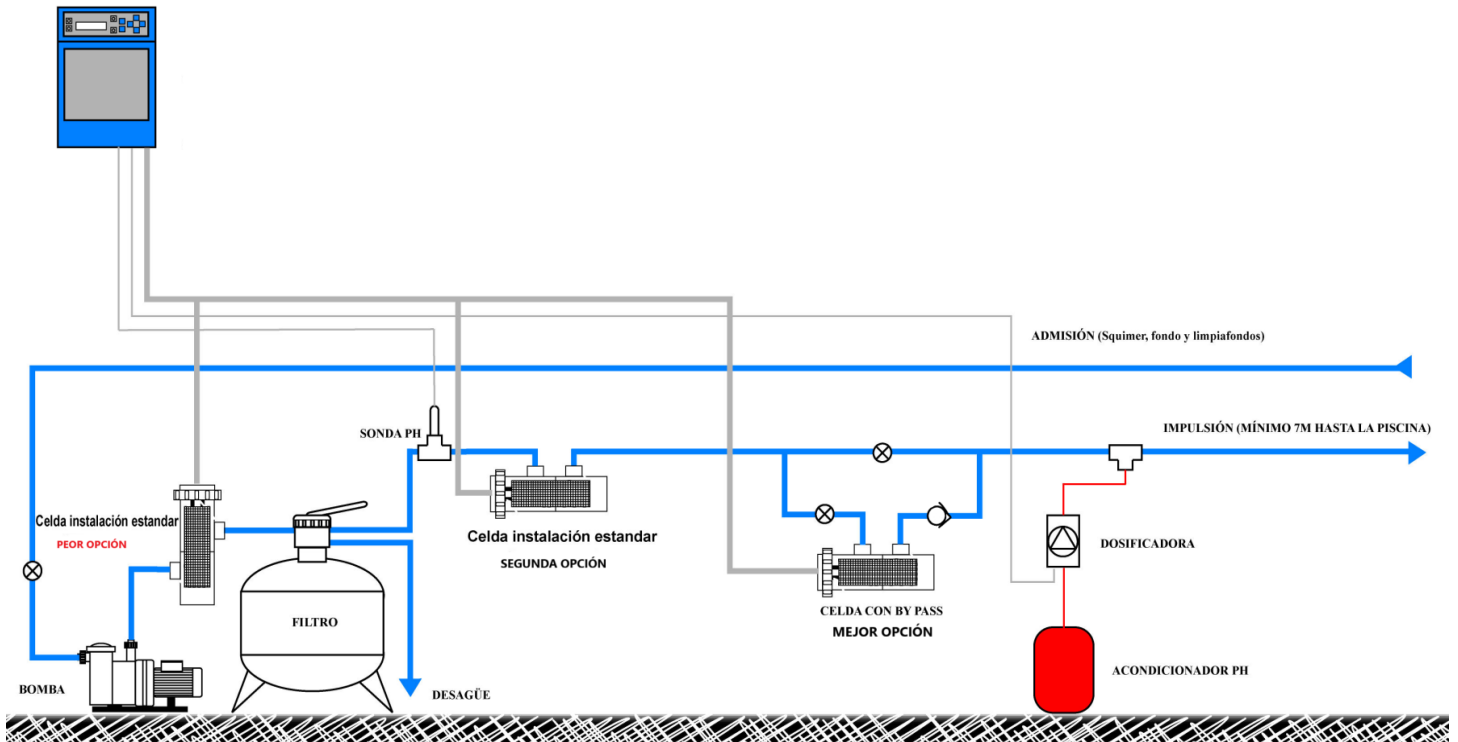
BASIC INSTALLATION GUIDELINES

There are several fundamental measures to ensure the equipment's proper operation and failure to observe them **may result in the loss of warranty**:

1. **The equipment requires a 220V alternating current (A.C.) connection with a ground.**
2. **The equipment must be connected via the purifier's timer to ensure it operates synchronously with the pump system.** If the timer lacks an outlet, cut the male terminal of the power cord supplied with the equipment and connect it directly to the timer's corresponding terminals.
3. The electrolytic cell's power cord must not be extended or shortened, as this affects the factory-set calibration.
4. The electrolytic cell does not require an additional ground beyond that of the main unit, as its operating voltage is only 5V.
5. The central unit must never be placed vertically above any chemical container to avoid corrosion, and the installation area must be kept well-ventilated.
6. The recommended minimum conduction distance from the cell to the pool is 7 meters to ensure optimal salt dispersion and maximize chlorine production.
7. If the pool's pumping rate is equal to or greater than 25 m³/h, the electrolytic cell must be installed in a bypass to distribute the flow and reduce the amount passing through the cell.

INSTALLATION OF THE ELECTROLYTIC CELL

Below, we present a schematic diagram of the possible installations of the equipment and its components.



The electrolytic cell is housed in a two-piece ABS container called a CELL. Each cell in the diagram represents an individual installation with its possible location. **If sufficient space is available, a bypass installation is always recommended.** Only if no other option exists should the cell be installed between the pump and the filter.

If a bypass installation is chosen, **it is advisable to install a non-return valve at the bypass outlet instead of a shut-off valve.** This prevents the user from leaving the outlet valve closed, which could cause the cell to burst due to excess pressure, **an issue not covered by the warranty.**

The cell is compatible with 50mm and 63mm pipes and must be installed to avoid air accumulation. The ideal spatial configuration is horizontal with water inlet and outlet at the top. It can also be installed vertically with the cell's closure thread at the top.

Once the best location and water inlet/outlet arrangement are determined, glue the two cell pieces together using PVC adhesive. Cut and thoroughly clean the PVC pipe with a cleaner before attaching the cell. **NEVER USE CLEANER ON THE ABS CELL.** Ensure the pieces are dry before applying adhesive to both surfaces to be joined. **Do not rotate the pieces during assembly and allow a minimum of 12 hours to dry before restoring the water circuit**

INSTALLATION OF THE pH REGULATION SYSTEM

If your equipment includes automatic pH control, install the pH measurement probe **at any point in the circuit before the electrolytic cell**, preferably in the discharge line, as shown in the installation diagram. Use the 1/2" collar and probe holder supplied with the equipment.

The probe holder includes a stop to protect the pH probe's glass bulb, so insert the probe only until it reaches the stop.

The pH reducer injection into the water should be installed using a 1/2" collar and an injection fitting, both supplied with pH control units. It should always be installed at the end of other treatments to ensure they do not pass through any device before returning to the pool.

The pH dosing pump must be sufficiently separated from the central unit, keeping reagents away to avoid corrosion risks to the main unit.

The container with the chemical product used as a pH reducer should preferably be placed outside the purifier shed. If this is not possible, create a second hole in the container cap to insert a tube directing vapors to a ventilation grille. If this is also unfeasible, place the container as far as possible from the central unit.

The central unit must never be placed vertically above any chemical container to avoid corrosion, as repairs in such cases will not be covered by the warranty.

INSTALLATION OF THE CENTRAL UNIT

All connections to the central unit from the various components are very simple, as they all include some type of connector.



- 1.- Connecting the power cord
- 2.- Fuse box
- 3.- on/off switch
- 4.- Redox probe cord connection (where applicable)
- 5.- pH probe cord connection (where applicable)
- 6.- Connecting the pH pump power cord (where applicable)
- 7.- Electrode connection

- The power cord will be connected to input #1 via the plug (with a fuse box) and an on/off switch (#3).
- The fuse box (#2) is easily accessible for replacement if needed over time.
- The electrode will be connected via input connector #7, secured with the provided threaded fitting.
- For units with integrated pH control, connect the probe via the BNC input #5 and the pH dosing pump power cable (once mounted on the wall) to connector #6.

- For units with Redox control, addition to the above, install the Redox probe via the BNC connector marked #4 in.

WALL-MOUNTING THE UNIT

The central unit comes with an aluminum mounting bracket. Fix this bracket to the wall using the included wall plugs and screws, leaving a margin of at least 7 cm from the ceiling. Then hang the control unit on the bracket using the designated slots.

Maintain a 2 cm separation from the wall, using the included stainless steel spacer, which should be screwed in as shown in the diagram



OPERATING INSTRUCTIONS

The SALICLOR saline chlorination units are very easy to operate. All the information you need to use them correctly is provided via LEDs or the backlit LCD screen on the central unit.

LED INDICATOR INFORMATION



The unit features four LED indicators providing the following information

- **Green Production LED:** When lit, it indicates the electrolytic cell is working and generating chlorine. When off, the electrodes are not producing their usual “bubbling.” The unit takes approximately 20 seconds to activate upon startup.
- **Red pH LED:** When lit, it indicates the pool water pH is above the programmed threshold (pHp). No action is needed; simply ensure the peristaltic pump is plugged in and the reducer container has product. The SALICLOR unit will handle the rest.
- **Orange Polarity Reversal LED:** Lights up and turns off as the cell changes polarity (making it self-cleaning). The LED follows programmed self-cleaning cycles, on during one cycle and off during the next.
- **Blue Power LED:** Must always be lit, indicating the control unit is receiving power from the grid.

LCD SCREEN INFORMATION

MAIN MENU

The **backlit LCD screen** displays all relevant data during normal operation.

Below, we detail the screen information based on the chlorinator model.

Screen for Basic Models

-First line	→	SALICLOR L 50
-Second Line	→	Produccion 90 %
-Third Line	→	SAL EN AGUA 6.0 9/1

- First line: Displays the model of the unit.
- Second line: Shows the production level, indicating the percentage of time the unit operates per cycle. Polarity reverses with each cycle change, and the **orange LED** will be on or off accordingly. Cycles can be set between 1 and 4 hours, as explained later in the programming section.

This production level can be adjusted based on pool needs, as detailed in the programming section. The factory default is 90%.

- Third line: Displays the salt level the electrode is working with at that moment. The optimal salt concentration for this unit is 6g/L. **IMPORTANT:** This is not the actual salt level in the pool but the level the unit is operating at. Under normal conditions, they will be similar, but they may differ due to water temperature or electrode condition (e.g., if worn or clogged with limescale, the reading will be lower).

The unit provides an indicative salt reading via the electrode; for accurate pool salt levels, use an external salt meter.

If the salt level exceeds 6g/L, the unit will display “EXCESS SALT. UNIT STOPPED” and cease chlorine production. If it exceeds 7g/L, the unit will repeatedly restart to protect the electrode.

Screen for Models with pH Control

- First line	→	SALICLOR L 50
- Second Line	→	pHp 7.4 pH agua 7.3
- Third Line	→	Produccion 90 %
		SAL EN AGUA 6.0 9/1

- First line: Displays the model of the unit.
- Second line: Shows the programmed pH (pHp) target (factory default 7.4) and the actual pH measured by the pH probe in the pool water.

When the unit detects a pH above the programmed level, the **red LED** will light, and the dosing pump will activate to inject pH reducer until the pH returns to normal.

The unit injects reducer in 10-minute periods, then rechecks the reading, continuing injection as needed.

- Third line: Displays the production level (percentage of time the unit operates per cycle), with polarity reversing per cycle. The **orange LED** will be on or off accordingly. Cycles can be set between 1 and 4 hours (see programming section). This level can be adjusted based on pool needs (see programming section). Factory default is 90%.
- Fourth line: Displays the salt level the electrode is working with. **IMPORTANT: This is not the actual pool water salt level but the level the unit is operating at.** Under normal conditions, they are similar, but they may differ due to water temperature or electrode condition (e.g., if worn or clogged, the reading will be lower).

The device obtains an approximate salt reading through the electrode; to determine the amount of dissolved salt in the pool, external salt meters must be used.

If the salt level exceeds 6g/L, the unit will display "EXCESS SALT. UNIT STOPPED" and cease chlorine production. If it exceeds 7g/L, the unit will repeatedly restart to protect the electrode

Screen for Models with Redox

- First line →	SALICLOR L 50
- Second Line→	pHp 7.4 pH a9ua 7.1
- Third Line →	Prod. Auto Rdx 510mV
- Fourt Line →	SAL EN AGUA 5.8 9/1

- First line: Displays the model of the unit.
- Second line: Shows the programmed pH (pHp) target (factory default 7.4) and the actual pH measured by the pH probe in the pool water.

When the unit detects a pH above the programmed level, the **red LED** will light, and the dosing pump will activate to inject pH reducer until the pH returns to normal.

The unit injects reducer in 10-minute periods, then rechecks the reading, continuing injection as needed.

- Third line: Displays the mV level in the Rdx section, measured by a Redox probe installed via its collar. mV levels correlate with the desired chlorine residual in the pool; higher mV indicates more chlorine.

Production is automatically regulated based on the target mV, not manually adjustable. Wait approximately 40 seconds for the Redox module to activate fully after startup.

The factory default mV is 640mV, adjustable in the programming section.

- Fourth line: Displays the salt level the electrode is working with. **IMPORTANT:** This is not the actual pool water salt level but the level the unit is operating at. Under normal conditions, they are similar, but they may differ due to water temperature or electrode condition (e.g., if worn or clogged, the reading will be lower).

The device obtains an approximate salt reading through the electrode; to determine the amount of dissolved salt in the pool, external salt meters must be used.

If the salt level exceeds 6g/L, the unit will display “EXCESS SALT. UNIT STOPPED” and cease chlorine production. If it exceeds 7g/L, the unit will repeatedly restart to protect the electrode.

LCD SCREEN INFORMATION

PROGRAMMING

The **programming screen** allows modification of all parameters affecting the unit's operation, varying by model features.



The four adjustable parameters, depending on the model, are: Production Level, Target pH Level, Redox Level, and Polarity Reversal Cycles.

To modify these parameters, press the “Prog” key; the adjustable parameter will blink. Use the arrow key to cycle through parameters until the desired one blinks.

Use the “+” and “–” keys to adjust the value to the desired level.

Press “**Salir**” to save changes. If not saved, the unit will return to the main menu after 5 seconds of inactivity.

Below is the operation of each of the four adjustable fields, depending on the model:

Programming the Production Level

- First line →
- Second Line→
- Third Line →
- Fourt Line →

```
NIVEL DE PROD 99%  
PH MAX EN AGUA 7.4  
NIVEL Rdx AGUA  
INVERTIR POL CADA 3h
```

As noted, the production level is the percentage of time the unit operates per cycle.

The factory default is 90% and can be adjusted based on pool needs, water volume, chlorine production, water temperature, etc.

The unit offers 100 production levels, adjustable in 1% increments.

To adjust, press “Prog” once, use “+” and “-” to set the desired level, **then press “Salir” to save and return to the main menu.**

Programming the Target pH Level

- First line →
- Second Line→
- Third Line →
- Fourt Line →

```
NIVEL DE PROD 99%  
PH MAX EN AGUA 7.4  
NIVEL Rdx AGUA 625mV  
INVERTIR POL CADA 3h
```

The programmed pH (pHp) is the target pH for the pool, above which units with automatic pH control will inject reducer to return it to the target.

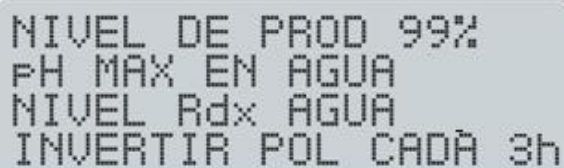
The factory default is 7.4, typical for normal water conditions.

On units without automatic pH control, this will display “N/D” and cannot be programmed.

To adjust, press “Prog” once, then the right arrow once until the pH line blinks. Use “+” and “-” to set the desired level, **then press “Salir” to save and return to the main menu.**

Programming the Redox Level

- First line →
- Second Line→
- Third Line →
- Fourt Line →



NIVEL DE PROD 99%
PH MAX EN AGUA
NIVEL Rdx AGUA
INVERTIR POL CADA 3h

The Redox level, measured in mV, determines chlorine generation and is factory-set at 640mV.

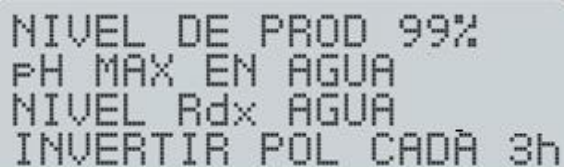
The target mV can be set between 100mV and 900mV; higher values increase chlorine production.

On units without a Redox module, this will display “N/D” and cannot be programmed.

To adjust, press “Prog” once, then the right arrow twice until the Rdx line blinks. Use “+” and “-” to set the desired level, **then press “Salir” to save and return to the main menu.**

Programming Polarity Reversal Cycles

- First line →
- Second Line→
- Third Line →
- Fourt Line →



NIVEL DE PROD 99%
PH MAX EN AGUA
NIVEL Rdx AGUA
INVERTIR POL CADA 3h

Polarity reversal aids electrode self-cleaning, improving performance and extending life.

Cycles can be set to 1, 2, 3, or 4 hours, with a factory default of 4 hours (polarity changes every 4 hours).

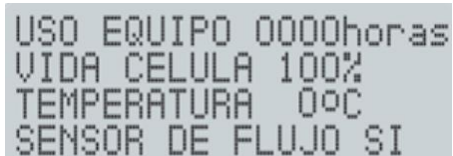
In hard water, shorter cycles help prevent limescale buildup; in softer water, 4 hours is sufficient.

To adjust, press “Prog” once, then the right arrow three times until the “Invert Polarity” line blinks. Use “+” and “-” to set the desired level, **then press “Salir” to save and return to the main menu.**

LCD SCREEN INFORMATION

INFORMATION

The information screen provides additional usage data.



```
USO EQUIPO 0000horas
VIDA CELULA 100%
TEMPERATURA 0°C
SENSOR DE FLUJO SI
```

To access, hold the “*Salir*” key.

It displays the unit’s operating time and an approximate remaining life for the electrolytic cell (electrode).

The optional temperature kit is no longer available, so this value will always be 0.

If the installation includes a paddle flow sensor kit, this will appear on the fourth line as “*SI*.”

CALIBRATION

This menu is for EXCLUSIVE use by TEAP technical personnel during post-sale service. It should not be used by the end user. Our units are perfectly calibrated at the factory



```
CALIBRAR SAL 4.2 g/l
CALIBRAR PH 7.5
CALIBRAR Rdx 625mV
CALIBRAR Cl- 0.0PPm
```

Improper use of the digital calibration features may void the warranty.

START-UP, OPERATION, AND MAINTENANCE

A.- PRELIMINARY STEPS: WATER CONDITION

It is important that the pool water is clean and clear before starting the saline chlorinator.

***If the pool water is old and has been treated with many chemicals, it is recommended to replace it to avoid chlorine stabilization issues.**

It is neither recommended nor efficient to use the saline chlorinator to recover a “green” pool. If this is the case, clean the water with a shock chlorination treatment following these steps:

1. The pool pH is likely high. Measure it with an external kit and, if necessary, lower it to 6.5 using a commercial reducer, following the manufacturer’s instructions.
2. Once achieved, add 3 ppm of chlorine. For this level, add 50 grams of granular chlorine (or 270cc of liquid chlorine) per 10m³ of water. Filter the pool for 24 hours
3. If the water is green and turbid, add a flocculant sachet (available at specialty stores) to the skimmer basket.
4. When the water is clear, use the pool vacuum and backwash the filter.

B.- START-UP

Once the water is in suitable condition, proceed with startup as follows:

1. **For L or LMg series units, ADD 6kg of salt** per cubic meter of water. **For LS series units, ADD 2kg of salt** per cubic meter, as the LS series is designed for low salt levels.
2. Slowly vacuum the pool until no salt is visible on the bottom, then let it run statically in the deepest part for 2-3 more hours. At this point, the salt should be fully dissolved and evenly distributed. Alternatively, filter in recirculation mode for a minimum of 8 hours. **DO NOT TURN ON THE UNIT UNTIL THE SALT IS COMPLETELY DISSOLVED.**
3. If the saline chlorinator includes automatic pH control, ensure the pump is plugged in and the pH reducer container has adequate levels. **IMPORTANT: The acid container should be placed as far as possible from the chlorinator** and well-ventilated to prevent corrosion from acid vapors. If possible, insert a vapor outlet tube through a hole in the cap, directing it outside or to a ventilation grille to avoid corrosion of the main unit.

4. Once the salt is dissolved, turn on the unit. The switch is located at the bottom of the unit (see page 8). **DO NOT TURN ON THE UNIT UNTIL THE SALT IS COMPLETELY DISSOLVED.**

C.- OPERATION

The required operating hours of the saline chlorinator to maintain proper disinfection **depend on** factors such as pH level, local water type, water temperature, and daily swimmer numbers. The goal, aside from these factors, is to ensure the pool water is crystal clear and chlorine-free at the end of each filtration cycle.

The maximum water volume each model can treat is based on specific “balanced water” conditions: pH 7.0-7.6, alkalinity 60-100ppm, hardness 100-200ppm, and water temperature 22°C-24°C.

Under these conditions, the unit can produce sufficient chlorine to keep the water crystal clear with 8 hours of daily operation at 70% production capacity and 4-hour polarity reversal cycles.

We recommend distributing these 8 hours to **avoid the hottest parts of the day**, as higher temperatures and sunlight dissipate chlorine faster. Dawn and dusk are the best times for pool filtration with chlorination.

For a shock disinfection, increase production to 100% and operate for 24 hours.

The unit is factory-set at 90% production and 4-hour polarity reversal cycles, so **adjustments may be needed based on water conditions** and other influencing factors to ensure crystal-clear water after each cycle.

Electrodes may have a reduced lifespan if used continuously with water below 15°C. At these temperatures, the unit’s ability to detect salt consumption diminishes, potentially triggering false “add salt” alerts.

Maintain pool pH between 6.8 and 7.4; for fiberglass pools, keep it between 7.2 and 7.4.

General Control Rules:

- **If water temperature increases, increase production.**
- **If water hardness increases, increase production and shorten polarity reversal cycles.**
- **If swimmer numbers increase, increase production.**
- **If filtration hours decrease, increase production.**

REDOX CONTROL

For units with automatic production control via Redox, adjust the mV value using a “trial and error” method to find the desired level for your pool’s water volume.

This is because the oxidation-reduction (Redox) value correlates with chlorine levels but can also be affected by alkalinity, pH, and water temperature.

This process may need repetition until an optimal setting is found; once set (unless there’s a sudden, prolonged temperature change), the unit will automatically produce the right chlorine amount.

***If the Redox probe is disconnected due to a confirmed fault, the unit will switch to manual production mode until replaced.**

D.- MAINTENANCE

Under normal conditions, electrodes are self-cleaning, but in extremely hard water, periodic inspection is advisable. **If limescale deposits are visible, clean them by soaking** in a solution of 1 part acid (hydrochloric or sulfuric, e.g., muriatic acid or pH reducer) and 5 parts water. **CAUTION: These acids produce harmful vapors, so clean in open, well-ventilated areas.**

Electrodes should NEVER be cleaned by rubbing with metal objects, as this damages the coating and impairs function.

Avoid using a pH reducer based on hydrochloric acid, as its vapors are more corrosive than sulfuric acid. If the reducer container is not optimally placed (as per step 3 of START-UP), corrosion of the central unit may occur, and repairs will not be covered by warranty.

For units with automatic pH control, regularly check the reducer fluid level.

Always turn off the unit when:

- Backwashing the filter or vacuuming the pool.
- Replacing or cleaning the electrode.
- Closing the bypass.
- Pool water temperature is below 10°C.

TROUBLESHOOTING

PROBLEM OR ERROR MESSAGE	POSSIBLE CAUSE	SOLUTION
Unit does not turn on	Circuit breaker tripped	Reset the circuit breaker or test in another area outside the pool's electrical panel to rule out grounding issues.
	Unit unplugged or switch off	Plug in the unit properly or turn on the switch
	Fuse blown	Check the fuse next to the unit's switch (accessible with a flat screwdriver).
	None of the above	Contact the installer or manufacturer.
"Error de conexión" message	Electrode poorly connected	Ensure the electrode is securely connected and the retaining thread is tight.
	Electrode clogged with limescale	Check for limescale (white deposits) and clean with 1 part acid to 5 parts water. For stubborn deposits, use wood or plastic piece to assist; NEVER USE METAL.
	Low salt in pool	Measure salt concentration with an external meter and ensure 6g/L (or 2g/L for LS models).
	Very cold water temperature	Colder water reduces salt detection, potentially triggering a false low-salt alert.
"Avería" Fault message	This message Will only appear when unit requires repair	Contact technical support.
Unit restarts continuously	Excess salt in water	Measure salt with an external meter; if above 6.5g/L, spill water from your pool and add fresh water to achieve correct salt reading.

PROBLEM OR ERROR MESSAGE	POSSIBLE CAUSE	SOLUTION
Intermittent “Añadir (x) salt” message	Salt reading below 3g/L	Compare with an external meter. If the meter shows more salt, check electrode connection and clean limescale. If readings match, add salt with the unit off and wait for dissolution.
	Very cold water temperature	We recommend to turn off your unit during winter, to avoid false readings. Before adding salt to your pool, check with an external meter
Pool pH does not match external meter	External meter discrepancy	Ensure the external meter is functional and check expiration of test strips/drops. Purge the pH probe by loosening the holder until water flows, then retighten. (this is to ensure there are no air bubbles).
Pool pH too high and not decreasing	Peristaltic pump not functioning	If pH > 9, the unit won't activate the pump for safety. Manually lower to 8.9 for automatic operation.
		If pH < 9 and pump doesn't activate, Purge the pH probe by loosening the holder until water flows, then retighten. (this is to ensure there are no air bubbles). If unresolved, contact technical support.
Pool pH too low and not increasing	El ph de la piscina está muy bajo y no para de inyectar acido la bomba peristáltica	Fluctuations may indicate air in the probe area. Purge the probe by loosening the holder until water flows, then retighten.
Pool pH remains fixed	No pH variation	Purge the probe by loosening the holder until water flows, then retighten. If unresolved, contact technical support.

PROBLEM OR ERROR MESSAGE	POSSIBLE CAUSE	SOLUTION
Peristaltic pH control pump not working.	Not powered	Ensure the pump is properly plugged into the unit.
		Plug the pump directly into the grid with the supplied cable to rule out central unit issues.
	Not injecting acid	Check that the dosing container has reducer fluid.
		Verify the programmed pH threshold; the pump won't activate if pH is below it.
		Check for worn or broken pump rollers.
Water turns green	Low production level	Increase the production percentage in the programming menu (press "Prog").
	Insufficient filtration hours	Increase filtration hours (minimum 8 hours, preferably afternoon/evening or in two 4-hour blocks).
	Increased swimmer numbers	Implement one or both of the above solutions or a combination.
	Very low salt concentration	Ensure 6g/L (or 2g/L for LS models) for adequate chlorine generation.
	Electrode clogged with limescale	Check for limescale (white deposits) and clean with 1 part acid to 5 parts water. Use wood or plastic for stubborn deposits; NEVER USE METAL.
	Heatwave	Use a chlorine stabilizer to compliment the chlorine salinator's action. Add enough to stabilize it between 30ppm and 50ppm. You can also add chlorine manually for these specific situations without affecting the unit..
	High chloramine levels.	Increase production to 100% and run for 24 hours to eliminate chloramines.
	All above correct	The unit may be undersized for the pool volume. Consult the installer or manufacturer.

PROBLEM OR ERROR MESSAGE	POSSIBLE CAUSE	SOLUTION
"E.S" displayed instead of pH value	pH probe malfunction	Purge the probe by loosening the holder until water flows, then retighten.
		Check the pH probe connection at the BNC connector.
		If pH > 9, manually lower to 8.9 for the unit to manage it.
		If all above are correct, contact technical support.
Chlorine smell and eye irritation	Excessive chlorine level	Reduce production percentage (press "Prog") or filtration hours to a comfortable disinfection level.
	High chloramine levels	Increase production to 100% and run for 24 hours to eliminate chloramines.
Electrode frequently whitens	Excess water hardness	Check hardness; if above 35°FH, soften with a specific flocculant, then clean the electrode with 1 part acid to 5 parts water. Use wood or plastic for stubborn deposits; NEVER USE METAL.
	Well water use	Well water may contain metallic ions, reducing electrode lifespan. Replace more frequently than with normal water.

TECHNICAL SPECIFICATIONS

	MODELOS				
	50	80	120	180	220
Power Supply	200-240V AC.				
Grid Frequency	50/60 Hz.				
Production Control	Microprocessor				
Self-Cleaning Method	Electronic polarity reversal				
Electrodes	Titanium expanded mesh with Ru/Ir coating				
Maximum Cell Pressure	7Kg/cm2.				
Cell Material	8.5mm thick SAM				
Cell Connection	Glued to 50mm and/or 63mm				
Power Cable Input	H07V/K 3x1 mm2.				
Fuse Protection	2A				
Ambient Temperature	50°C max				
Water Temperature	15°C - 40°C (optimal 22°C-24°C)				
Cell/Electrode 2x4 mm2.	✓	✓			
Cell/Electrode 2x6 mm2.			✓	✓	✓
Water Salinity, 6gr/L.	✓	✓	✓	✓	✓
Max Pool Volume 50m3 máx.	✓				
Max Pool Volume 80m3 máx.		✓			
Max Pool Volume 120m3 máx.			✓		
Max Pool Volume 180m3 máx.				✓	
Max Pool Volume 220m3 máx.					✓
Production (g/H) 14g	✓				
Production (g/H) 25g		✓			
Production (g/H) 34g			✓		
Production (g/H) 45g				✓	
Production (g/H) 52g					✓
Power Consumption (W)50w	✓				
Power Consumption (W)90w		✓			
Power Consumption (W)115w			✓		
Power Consumption (W)150w				✓	
Power Consumption (W)175w					✓

GENERAL WARRANTY CONDITIONS OF TEAP, S.L.

1. GENERAL WARRANTY

All saline chlorination units manufactured by or acquired from Tratamientos Ecológicos del Agua de Piscinas, S.L. (TEAP, S.L.) are covered by a limited 3-year warranty for any manufacturing defects, starting from the issuance date of the installation delivery note and invoice.

During the warranty period, the manufacturer will repair the unit at its own cost after verifying proper functionality. Replacement of the entire unit is not covered, only damaged components.

Replaced or repaired parts under this warranty do not extend the original product warranty period but carry their own warranty.

Warranty repairs and technical support will be performed exclusively at the manufacturer's facilities. If the reviewed unit shows no defects or defects not covered by the warranty, transportation costs will be borne by the owner.

To validate this warranty, the buyer must provide proof of purchase and delivery date.

2.- SPECIFIC WARRANTIES

- pH and Redox probes, considered consumables, have a 4-month warranty with no extensions.
- Electrodes, under proper operating conditions, have a 3-year or 5,000-hour warranty (whichever comes first), with no extensions. This warranty is void if well water is used, as it may contain metallic ions damaging the electrolysis surface.
- Pick-up and delivery services for warranty repairs are covered by the manufacturer for the first 12 months using designated transport agents. After this period, shipping costs are the owner's responsibility.

3.- WARRANTY EXCLUSIONS

The manufacturer declines all responsibility, and the warranty will be void in the following cases:

- Failure to follow the installation and maintenance instructions in this manual.
- Units or components showing signs of tampering, misuse, or mishandling (e.g., cell rupture from excess pressure, component breakage, deformations, burn marks, or loose parts).
- Corrosion signs on metallic components, likely due to improper acid container placement in an inadequately ventilated purifier shed or machine room.
- Operating the unit with a limescale-coated electrode without proper cleaning.
- Incorrect electrical connections.
- Damage from accidents.
- Water damage to the central unit.
- Use of non-original spare parts or components.
- Issues caused by external factors such as electrical surges, short circuits, abnormally humid environments, floods, fires, etc.

DECLARACIÓN **CE** DE CONFORMIDAD

Producto: Equipo de Cloración salina

Fabricante: Tratamientos Ecológicos del Agua de Piscinas, S.L. (TEAP S.L.)

Dirección: **C/** Cubas, 10. P.I. Ventorro del Cano

Alcorcón, Madrid-28925

Declara bajo su propia responsabilidad, que el producto objeto de esta declaración

Denominación: **Clorador Salino SALICLOR**, en sus distintas versiones

cumple los requisitos de la Directiva 2014/35/UE y de su posterior trasposición española en el RD 187/2016 del 6 de mayo sobre comercialización de equipos de Baja tensión, y sus posteriores modificaciones.

En su diseño se han empleado las siguientes normas:

UNE-EN 62361-1:2020 / AC:2020-05

En su nombre D. Eduardo Martín Macías en calidad de apoderado, firma la presente declaración,



Fdo.: _____

Alcorcón 23 de noviembre de 2023

A HEALTHY ALTERNATIVE

Tratamientos Ecológicos
del Agua de Piscinas S.L.

Calle Cubas, 10
C.P.: 28925
Alcorcón – Madrid (Spain)

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R.I.I _ A.E.E 10776

