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› **Yinling** /

› Yinling EC Pro 20 Pool Chlorinator System Instruction Manual

## Yinling EC Pro 20

# Yinling EC Pro 20 Pool Chlorinator System

Instruction Manual

## 1. INTRODUCTION

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The Yinling EC Pro 20 is an automatic self-adapting pool chlorinator system designed to maintain clear and sanitized swimming pool water. This system utilizes an electrolytic cell and a control unit to convert salt into chlorine gas, providing effective water treatment without the need for manual addition of traditional chlorinating agents. It is suitable for swimming pools requiring a salt content between 2700 and 4500 ppm.

## 2. SAFETY INFORMATION

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Please read all safety instructions carefully before installation and operation to prevent injury or damage to the equipment. Keep this manual for future reference.

- Always disconnect power to the unit before performing any maintenance or service.
- Ensure proper electrical grounding according to local codes.
- Do not operate the chlorinator if the water flow is insufficient or absent.
- Keep children away from the unit during operation.
- Avoid direct contact with the electrolytic cell plates.
- Maintain recommended salt levels; excessively high or low salt can damage the unit or affect performance.
- Consult a qualified electrician or pool professional for installation if you are unsure.

## 3. PACKAGE CONTENTS

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Verify that all items listed below are included in your package:

- 1 x Salt Chlorinator Unit
- 1 x Adapter (Power Supply)
- 2 x Connectors

- 1 x Instruction Manual



Image 3.1: Contents of the Yinling EC Pro 20 package, including the chlorinator unit, power adapter, and two connectors.



Image 3.2: A closer view of the two blue connectors supplied with the chlorinator system.

## 4. SPECIFICATIONS

Feature	Specification
Item Type	Pool Chlorinator System
Material	Plate, ABS
Recommended Salt Content	2700-4500 ppm
Water Hardness	≤200 mg/L
Water Temperature	10-45°C
Water Inlet/Outlet Diameter	3.8 cm (1.5 in), 50 mm (1.97 in)
Product Size	Approx. 297.5 x 122 x 153 mm (11.7 x 4.8 x 6.0 in)
Voltage	100-240V
Control Method	Control Panel, Display, Smart Life App
Item Weight	2.82 Kilograms



Image 4.1: Product label displaying detailed specifications for the chlorinator system.

## 5. SETUP

Proper installation is crucial for the efficient operation of your chlorinator system. Ensure your pool's circulation system is off before beginning installation.

- 1. Choose Location:** Install the chlorinator in the return line of your pool's filtration system, after the filter and heater (if applicable), and before any chemical feeders. Ensure there is sufficient space for maintenance.
- 2. Plumbing Connection:** The unit features water inlet and outlet diameters of 3.8 cm (1.5 in) and 50 mm (1.97 in). Use the provided connectors to integrate the chlorinator into your existing plumbing. Ensure all connections are watertight.
- 3. Electrical Connection:** Connect the adapter to the chlorinator unit and then plug it into a grounded 100-240V electrical outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI).
- 4. Add Salt to Pool:** Before operating the system, add the recommended amount of pool salt to achieve a concentration of 2700-4500 ppm. Distribute the salt evenly and allow it to dissolve completely before starting

the chlorinator.





Image 5.1: Side view of the chlorinator unit, illustrating the transparent electrolytic cell and connection points for plumbing.

## 6. OPERATING INSTRUCTIONS

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The EC Pro 20 offers both manual control via its panel and smart control through the Smart Life App.





Image 6.1: The control panel of the Yinling EC Pro 20, showing the display, ON/OFF, BOOST, and adjustment buttons.

1. **Power On/Off:** Press the **ON/OFF** button on the control panel to power the unit on or off. The display will illuminate when the unit is active.
2. **Adjust Chlorine Output:** Use the **+** and **-** buttons to adjust the chlorine production level. The display will show the current output setting. Adjust as needed based on pool size, usage, and chlorine demand.
3. **Boost Function:** For periods of heavy pool usage or to quickly address algae, press the **BOOST** button. This temporarily increases chlorine output to maximum for a set duration, enhancing water sanitation.
4. **Smart Control:** Download the Smart Life App on your smartphone. Follow the in-app instructions to connect your EC Pro 20 chlorinator. This allows for remote monitoring and control of settings.
5. **Monitoring:** The display and app provide real-time status updates, including alerts for conditions such as 'NO FLOW', 'LOW SALT', 'LOW TEMP', 'CELL FAULT', and 'TEMP SENSOR FAULT'.

## 7. MAINTENANCE

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Regular inspection and maintenance are essential to ensure the proper function and longevity of your chlorinator system and to keep your pool water clear.

- **Cell Cleaning:** Periodically inspect the electrolytic cell for scale buildup. If scale is present, clean the cell according to the manufacturer's recommendations, typically using a mild acid solution. Refer to the detailed cleaning instructions in the full manual.
- **Water Chemistry:** Regularly test your pool water for salt levels, pH, alkalinity, and stabilizer. Maintain salt levels between 2700-4500 ppm. For pools with excessively hard water (water hardness  $\leq 200$  mg/L), an acidic solution may be required to adjust the alkalinity of the water.
- **Flow Check:** Ensure consistent water flow through the chlorinator. The 'NO FLOW' alert indicates an issue with water circulation.

- **Visual Inspection:** Routinely check all connections, cables, and the unit housing for any signs of wear, damage, or leaks.

## 8. TROUBLESHOOTING

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This section addresses common issues you might encounter with your EC Pro 20 chlorinator.

Problem/Alert	Possible Cause	Solution
'NO FLOW' Alert	Insufficient water flow through the cell.	Check pool pump operation, filter cleanliness, and ensure all valves are open. Clear any obstructions in the plumbing.
'LOW SALT' Alert	Salt level in the pool water is below the recommended range.	Test pool water salt level. Add pool salt as needed to reach 2700-4500 ppm. Allow time for salt to dissolve and circulate.
'LOW TEMP' Alert	Water temperature is below the optimal operating range (10°C).	The chlorinator may reduce or cease production in cold water. Operation will resume automatically when water temperature rises.
'CELL FAULT' Alert	Issue with the electrolytic cell, possibly due to scale buildup or wear.	Inspect and clean the cell. If the problem persists after cleaning, the cell may need replacement.
'TEMP SENSOR FAULT' Alert	Problem with the temperature sensor.	Contact customer support for assistance.
No Chlorine Production	Low salt, low flow, cell fault, or incorrect output setting.	Check for any active alerts. Verify salt levels, water flow, and cell cleanliness. Increase output setting if necessary.

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact Yinling customer service directly. Please have your product model (EC Pro 20) and purchase details available when contacting support.

**Contact Information:** Refer to your purchase documentation or the official Yinling website for the most current contact details.