Aqualix IC40

Aqualix IC40 Salt Cell Saltwater Chlorine Generator Instruction Manual

Model: IC40

1. Product Overview

The Aqualix IC40 Salt Cell Saltwater Chlorine Generator is designed to provide a consistent supply of chlorine for inground pools up to 40,000 gallons. It converts dissolved salt into pure chlorine, offering a gentler alternative to traditional chlorine tablets for pool sanitization. This system helps maintain clear and comfortable pool water with reduced eye and skin irritation.



Image: Aqualix IC40 Salt Cell Chlorine Generator, a white rectangular unit with black connections.

Video: An overview of the IC40 Salt Cell Saltwater Chlorine Generator, highlighting its features and benefits.

2. Compatibility and Capacity

This aftermarket salt cell is compatible with Pentair IntelliChlor IC40 salt cells and the EC-520555 / 520555 IntelliChlor power center (power center not included). It is designed for inground pool saltwater systems up to 40,000 gallons and integrates with Pentair pool salt generator and automation systems.



Image: The Aqualix IC40 Salt Cell shown in a pool setting, indicating compatibility with Pentair IntelliChlor IC40 and suitability for pools up to 40,000 gallons.

3. Key Features and Benefits

- **Softer, More Enjoyable Water:** Converts dissolved salt into pure chlorine, resulting in sparkling pool water that is gentler on eyes, skin, and swimsuits compared to traditional chlorine tablets.
- **Upgraded Durability & Longer Cell Life:** Features titanium blades with ruthenium coating and an improved flow sensor to minimize false 'low salt' or 'no flow' alerts. The rugged housing is designed to resist UV, corrosion, and heat.
- **Easy Monitoring & Control:** Clear LED indicators and an easy-to-read display show salt level, chlorine output, water flow, and system status. When used with the EC-520555 power center, chlorine output can be fine-tuned with push-button control.



Image: A visual comparison highlighting the benefits of the IC40 Salt System (gentle comfort, crystal clear water) versus traditional chlorine (strong odor, fades swimwear).



Image: Diagram illustrating the reinforced titanium cell plates with ruthenium coating, upgraded flow sensor, and leak-resistant seals, emphasizing durability and extended cell life.

4. Installation

The Aqualix IC40 Salt Cell is designed for quick and easy installation with 2-inch union connections. No special tools are required beyond standard plumbing equipment.

Installation Steps:

1. Plumb the salt cell into the 2-inch return line of your pool system.
2. Connect the salt cell to the EC-520555 power center (not included).
3. Set the desired chlorine output level.

Always follow normal salt cell cleaning procedures when scale builds up.



Image: A diagram showing the three-step installation process: plumbing into the return line, connecting to the power center, and setting the output level.



Image: A schematic diagram showing the flow of water and salt through the pool system, illustrating how the salt chlorination cell converts salt to chlorine and returns chlorinated water to the pool.

5. Operation

The Aqualix IC40 features clear LED indicators and an easy-to-read display for monitoring system status. You can adjust chlorine output using the 'LESS' and 'MORE' buttons.

Control Panel Overview:

- **Top Row (Digital Display):** Shows working efficiency.
- **Second Row (Digital Display):** Shows working status. Three horizontal lines indicate salt concentration is being checked during initialization. 'ON' means chlorine production is active; 'OFF' means it is disabled. 'bbb' indicates Boost Mode (maximum chlorine output).
- **LESS Button:** Decreases chlorine output.
- **MORE Button:** Increases chlorine output.
- **BOOST ON/OFF (Press LESS and MORE simultaneously):** Activates or deactivates Boost Mode for 24-hour 100% output.



Image: The Aqualix IC40 Salt Cell control panel displaying various system statuses such as salt level, chlorine output, flow status, and temperature range.

Video: A detailed operation guide for the salt chlorine machine, demonstrating how to interpret display readings and adjust settings.

6. Smart Control (APP & WiFi)

The Aqualix IC40 can be connected to a smartphone application for remote monitoring and control. Follow these steps to connect your device:

APP Installation and Connection:

1. Download the Smart Life APP by scanning the QR code provided in the manual (page 8).
2. Open the APP, click 'Add', and select the 'Scan' option.

3. Scan the second QR code from the manual to add the 'Intelligent SCG' device.
4. Power on the device when prompted by the APP.
5. Select 'YES' on the device display to use Wi-Fi.
6. Enter your Wi-Fi password in the APP to connect the device.

Once connected, the APP interface will display flow status, water temperature, salt concentration, and allow adjustment of chlorination efficiency (20% to 100%). You can also enable 'Super Chlorine Mode' via the APP.

Video: Instructions on how to download and use the Smart Life APP for the salt chlorinator.

Video: A guide on how to connect the salt chlorine machine to Wi-Fi using the Smart Life APP.

7. Maintenance

Regular maintenance is crucial for optimal performance and longevity of your Aqualix IC40 Salt Cell. Follow normal salt cell cleaning steps when scale builds up. The upgraded design with titanium blades and improved flow sensor helps reduce maintenance frequency.

No special cleaning kit is required for the IC40, but ensure proper handling and care during any cleaning process.

8. Troubleshooting

The Aqualix IC40 is designed to address common issues found in salt cell replacements. If a fault code starting with 'E' appears on the second row of the digital display, refer to the instruction manual for specific display code information and troubleshooting steps.

Common Issues and Solutions:

- **Frequent 'Low Salt' alarms:** The improved flow sensor and new formula cell plates with sensor calibration tests (1800h life test) are designed to reduce these false alarms.
- **High-temp display ghosting:** Features a high-temperature rated display and improved shielding to prevent this issue.
- **Early cell failure & leaks:** Upgraded seals, titanium hardware, and standardized quality control are implemented to enhance reliability.



Image: A visual guide outlining common IC40 replacement problems and the improvements made in the Aqualix IC40 to solve them.

9. Technical Specifications

Specification	Detail
Model	IC40 salt cell replacement
Input Compatibility	Fits for Pentair EC-520555 power center
Pool Size Capacity	Up to 40,000 gallons
Pipe Size	2" unions
Application	Inground salt water pool systems
Item Weight	6.5 Pounds

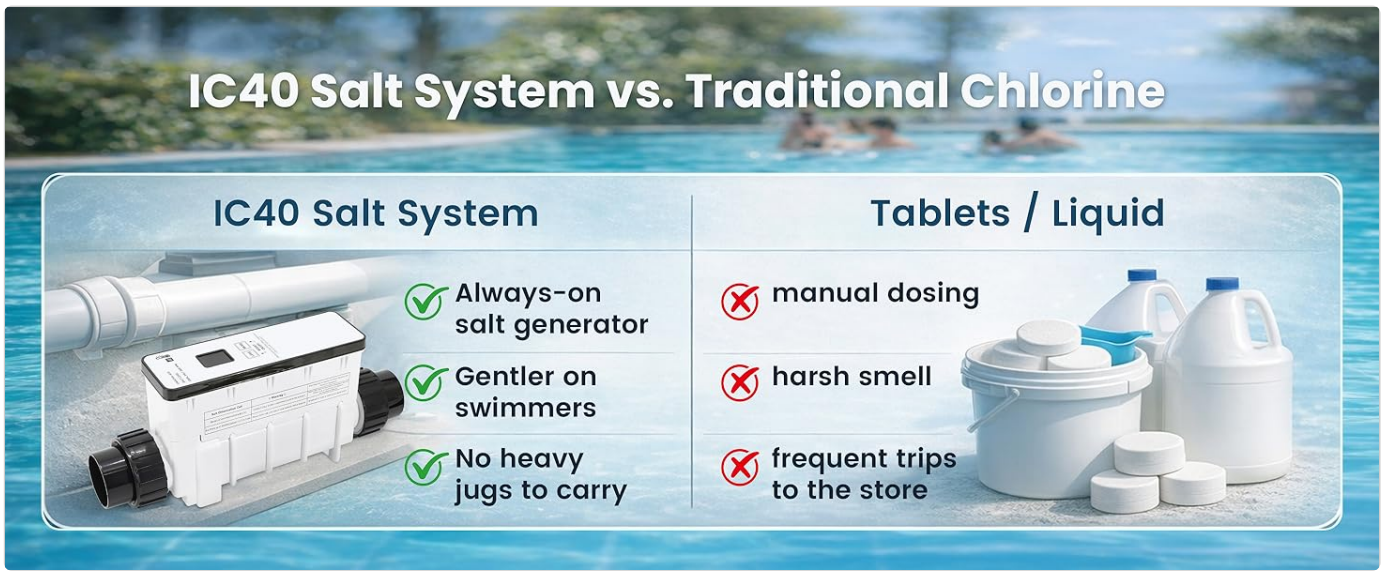


Image: A visual summary of the Aqualix IC40 Salt Cell's technical specifications, including model, input, pool size, pipe size, and application.

10. Warranty and Support

The Aqualix IC40 Salt Cell is backed by a 3-year warranty, providing peace of mind regarding its quality and performance.

For any inquiries or assistance, responsive customer support is available within 24 hours. Please refer to the contact information provided with your product packaging or visit the official Aqualix website for support details.

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