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Pentair 521105

Pentair IntelliChlor IC60 Salt Chlorine Generator Cell User Manual

Model: 521105 | Brand: Pentair

Product Overview

The Pentair IntelliChlor IC60 Salt Chlorine Generator Cell is designed to provide an efficient and convenient method for maintaining clean and sanitized pool water. This system utilizes common table salt to produce all the chlorine your pool requires, directly within the pool environment. It eliminates the need for purchasing, transporting, and storing traditional chlorine compounds, thereby avoiding associated drawbacks such as strong odors, stinging eyes, skin irritation, and bleached swimsuits. The IC60 cell is suitable for pools up to 60,000 gallons.



Image: The Pentair IntelliChlor IC60 Salt Chlorine Generator Cell, a white cylindrical unit with a clear cover showing indicator lights and control buttons. It is

designed for inline installation in pool plumbing systems.

Setup and Installation

Proper installation is crucial for the optimal performance of your IntelliChlor IC60 cell. This unit requires a Pentair 520556 IntelliChlor Power Center for operation, which is sold separately. The IC60 cell is compatible with Pentair ComPool to EasyTouch upgrade systems and can communicate with IntelliTouch, EasyTouch, and SunTouch Automation Systems for integrated pool management.

Installation Steps:

1. **Power Center Connection:** Ensure the Pentair 520556 IntelliChlor Power Center is correctly installed and connected to your pool's electrical system.
2. **Cell Placement:** Install the IC60 cell inline with your pool's plumbing system according to the provided installation instructions. Ensure proper water flow direction.
3. **System Integration:** If using with IntelliTouch, EasyTouch, or SunTouch Automation Systems, follow the specific instructions for integrating the IC60 cell into your existing automation setup.
4. **Initial Startup:** After physical installation and electrical connections are complete, refer to the detailed instructions included with the product for initial startup procedures and system calibration.

Detailed installation and operation instructions are included with the product. It is recommended to consult these documents thoroughly before beginning installation.

Operating Instructions

The IntelliChlor IC60 operates by converting salt into chlorine, providing continuous sanitation for your pool. The unit features indicator lights and control buttons to monitor its status and adjust settings.

Key Operational Features:

- **Salt Level Indicators:** The cell features LED indicators that display the current salt level in your pool, helping you maintain optimal conditions for chlorine generation.
- **Chlorine Output Adjustment:** Use the control buttons on the unit or your connected automation system to adjust the chlorine output percentage to match your pool's needs.
- **Status Lights:** Various status lights indicate the operational state of the cell, such as "Generating," "Low Salt," "No Flow," and "Check Cell."
- **Super Chlorination:** A boost function may be available to temporarily increase chlorine production for situations requiring higher sanitation levels.

Ensure your pool's salt level is within the recommended range for efficient operation. Refer to the power center or automation system manual for specific instructions on adjusting chlorine output and monitoring system status.

Maintenance

Regular maintenance ensures the longevity and efficiency of your IntelliChlor IC60 cell. While the system reduces the need for manual chlorine addition, periodic checks and cleaning are still necessary.

Maintenance Guidelines:

- **Cell Cleaning:** Periodically inspect the cell for scale buildup. If scale is present, clean the cell according to the instructions in your user manual, typically involving a mild acid solution.
- **Salt Level Monitoring:** Regularly check and maintain the pool's salt concentration as indicated by the cell's salt level

lights or your pool automation system.

- **Water Chemistry:** Continue to monitor other pool water chemistry parameters (pH, alkalinity, calcium hardness) and adjust as needed to ensure balanced water and optimal cell performance.
- **Flow Switch Check:** Ensure the flow switch is functioning correctly, as it prevents the cell from generating chlorine without adequate water flow.

Proper maintenance helps prevent issues such as erroneous readings and ensures consistent chlorine production.

Troubleshooting

If you encounter issues with your IntelliChlor IC60, refer to the following common troubleshooting tips. For more complex problems, consult the full user manual or contact Pentair support.

Problem	Possible Cause	Solution
"Low Salt" Indicator On	Actual low salt level, or erroneous reading due to dirty cell or faulty flow switch.	Test pool water for salt level and add salt if necessary. Clean the cell if scale is present. Check flow switch operation.
"No Flow" Indicator On	Insufficient water flow through the cell.	Ensure pool pump is running and filter is clean. Check for blockages in plumbing or a malfunctioning flow switch.
"Check Cell" Indicator On	Cell requires cleaning or is nearing end of life.	Perform cell cleaning. If the issue persists after cleaning, the cell may need replacement.
No Chlorine Generation	Low salt, no flow, power issue, or cell malfunction.	Verify salt levels and water flow. Check power connections to the power center and cell. Consult a professional if the cell is suspected to be faulty.

Specifications

- **Model Number:** 521105
- **Manufacturer Part Number:** IC60
- **Brand:** Pentair
- **Pool Capacity:** Up to 60,000 gallons
- **Item Weight:** Approximately 7.6 pounds
- **Product Benefits:** Kills Bacteria, Prevents Algae Growth, Maintains Clean Sanitized Water
- **Compatibility:** Requires Pentair 520556 IntelliChlor Power Center (sold separately). Communicates with IntelliTouch, EasyTouch, and SunTouch Automation Systems.

Warranty Information

Pentair offers a warranty for the IntelliChlor IC60 Salt Chlorine Generator Cell. To qualify for an extended warranty period, typically 2 years, it is essential to register your product with Pentair within 60 days of installation. Proof of purchase is required for warranty claims. Please refer to the official Pentair warranty documentation included with your product or visit the Pentair website for the most current and detailed warranty terms and conditions.

Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Pentair customer support through their official channels. You can often find contact information on the Pentair website or in the documentation provided with your product.

Online Resources:

- Visit the Official Pentair Store on Amazon
- Refer to the User Manual (PDF) and User Guide (PDF) provided with your purchase for detailed information.

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