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› [Autoverve](#) /

› Autoverve IC15 Pool Salt Cell Chlorine Generator User Manual

Autoverve ic15 ec520888

Autoverve IC15 Pool Salt Cell Chlorine Generator User Manual

Model: ic15 ec520888

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Autoverve IC15 Pool Salt Cell Chlorine Generator. This replacement part is designed for Pentair IntelliChlor IC15 automation systems, facilitating the production of chlorine through saltwater electrolysis to maintain clean and safe pool water.



Figure 1: Autoverve IC15 Pool Salt Cell Chlorine Generator. This image shows the main unit of the salt cell, designed to be integrated into a pool's filtration system, with water flowing through it.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the unit. Failure to follow these instructions could result in serious injury or property damage.

- **Electrical Safety:** Ensure the IntelliChlor IC15 automation system is properly installed and functioning. The IC15 IntelliChlor External Power Supply 521171 (additional purchase) is required. All electrical connections should be performed by a qualified professional in accordance with local codes.
- **Salt Concentration:** Maintain salt levels between 2700 ppm and 3400 ppm for optimal performance. Do not exceed 6000 ppm, as excessive salt can corrode other pool equipment, including stainless steel components.
- **Installation Environment:** Install the cell in a cool place, avoiding direct sunlight and strong heat sources. Normal operating temperature of the screen is from -4°F to 158°F (-20°C to 70°C). Over-temperature conditions may cause flickering or white screen phenomena.
- **WiFi Signal:** Ensure the installation location has a strong WiFi signal for proper functionality and remote monitoring.
- **Chemical Handling:** While this system reduces the need for traditional chlorine, proper pool chemical balance is still essential. Always handle pool chemicals with care and follow manufacturer guidelines.

3. COMPATIBILITY

This Autoverve IC15 Pool Salt Cell Chlorine Generator is specifically designed as a replacement part compatible with:

- Pentair IntelliChlor IC15 automation systems.
- Replaces Pentair part numbers EC-520888 and 520888.

Note: This unit requires the IC15 IntelliChlor External Power Supply 521171, which is an additional purchase and not included with this replacement cell.

4. SETUP AND INSTALLATION

Installation should be performed by a qualified pool professional or someone familiar with pool automation systems. Refer to your Pentair IntelliChlor IC15 system manual for detailed installation instructions.

4.1 Pre-Installation Checks

- Verify that the existing IntelliChlor IC15 automation system is powered off and isolated from the main power supply.
- Ensure the pool water chemistry is balanced, especially the pH and alkalinity, before introducing salt.
- Confirm the pool volume is within the recommended 15,000 gallons for this unit.

4.2 Salt Addition

Before operating the salt cell, the pool water must have the correct salt concentration. Use the following types of salt:

- Table salt
- Water softening salt granules
- Sun-dried salt blocks
- Salt for water treatment
- Sea water

Note: It is recommended to use powdered salt as it dissolves easily. Granular or block salt should be placed near the bottom of the pool where water circulation is strong to ensure even distribution. Avoid using mineral salt.

4.3 Physical Installation

1. Carefully remove the old salt cell from the plumbing system.
2. Inspect the plumbing for any debris or damage.
3. Install the new Autoverve IC15 replacement cell into the existing plumbing. Ensure all connections are secure and watertight.
4. Connect the cell to the IntelliChlor External Power Supply 521171.
5. Ensure the cell is installed in a location that avoids direct sunlight and excessive heat.

PRODUCT SHOWCASE

Superb workmanship, comes with internal dirt cleaning tool

Clean Cell Tool

Precision Adaptor Plugs

Specification Cell Ports

Flexible Port Gasket

Figure 2: Product components including the clean cell tool, precision adaptor plugs, specification cell ports, and flexible port gasket. These parts are crucial for proper installation and maintenance.

5. OPERATION

Once installed and powered, the Autoverve IC15 cell will begin the electrolysis process to generate chlorine from the salt in your pool water.

5.1 Initial Startup

1. Restore power to the IntelliChlor system.
2. Monitor the unit's display for connection status, flow rate, salt level, and temperature range.
3. Allow the system to run for at least 24 hours to stabilize chlorine production.

5.2 Adjusting Chlorine Output

The unit features an upgraded OLED display and sensitive buttons for adjusting chlorine output. Refer to the IntelliChlor

system's manual for specific instructions on how to adjust the output ratio.

UPGRADED MANEUVERING EXPERIENCE



Connection Status



Flow rate level



Salt Level



Temperature range

UPGRADED OLED DISPLAY

- Excellent display effect**
Better display than lcd screen, more humanized
- Sensitive buttons**
Ergonomic design, comfortable to press
- APP Application Support**
Real-time view and adjustment of cell



The image shows a vertical, black and white IntelliChlor SCG salt cell. The control panel is black with a square OLED display. Above the display, it says 'IntelliChlor SCG', 'SAFE LEVEL', and 'IDEAL SALT 3600 PPM'. Below the display are four buttons: 'LESS', 'MORE', 'BOOST ON/OFF', and a note 'PRESS BOTH BUTTONS SIMULTANEOUSLY FOR 24 HOUR 100% OUTPUT'. A hand is shown pressing the 'LESS' button in a close-up inset.

Figure 3: Close-up of the upgraded OLED display and control buttons (LESS, MORE, BOOST, ON/OFF). This interface allows for monitoring and adjustment of the chlorine generation process.

5.3 Water Quality Management

The salt cell helps manage pool water quality by producing hypochlorite consistently. Regularly test your pool water for chlorine, pH, alkalinity, and salt levels to ensure optimal conditions.



Figure 4: Visual representation of how the salt chlorinator transforms turbid water into clean water by eliminating microorganisms. This illustrates the primary function of the device in maintaining pool hygiene.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your salt cell.

6.1 Cell Cleaning

Over time, dirt and salt stains may accumulate inside the cell, affecting its performance. It is recommended to clean the cell periodically. The product comes with an internal dirt cleaning tool.

- Turn off the power to the IntelliChlor system before cleaning.
- Remove the cell from the plumbing.
- Use the provided cleaning tool or a mild acid solution (e.g., diluted muriatic acid, following safety guidelines) to remove scale and debris from the plates.

- Rinse thoroughly with fresh water before reinstallation.

6.2 Salt Level Monitoring

Continuously monitor the salt level in your pool. The ideal salt level is 3200 ppm (parts per million), with an acceptable range of 2700 ppm to 3400 ppm. Low salt levels will reduce chlorine production, while excessively high levels can damage equipment.



Figure 5: Illustration of the high-quality titanium plate electrolytic material within the salt cell, showing the electrolysis process. Good electrical conductivity is essential for efficient and long-lasting chlorination.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your salt cell.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Screen flickering or white screen	Over-temperature (above 158°F / 70°C)	Install in a cooler place, away from direct sunlight. Ensure proper ventilation around the unit.
Lost wireless connectivity	Weak WiFi signal at installation location	Ensure the unit is installed in a location with a strong WiFi signal. Consider a WiFi extender if necessary.
No chlorine production / No change in salt/chlorine level	Incorrect salt level (too low or too high) Cell aging or dirt accumulation Power supply issue Damaged wire inside the cell	Test and adjust pool salt level to 2700-3400 ppm. Clean the cell as per maintenance instructions. Verify the external power supply (521171) is functioning correctly. If issues persist, contact customer support.
Difficulty with installation due to upgraded design	Design changes may require specific handling	Contact Autoverve customer support for assistance.

PARAMETER CONFIGURATION

Free Available Chlorine
0.278 KG/ 24 HR



Pool Size Rating
15000 gallons

Power
Voltage: 24 VAC
Current: 4A Max

Fit For
Pentair EC 520888 IntelliChlor IC15

Figure 6: Schematic diagram illustrating the integration of the cell chlorinator into a typical pool water circulation system, including pump, filter, heater, and IntelliPH. This diagram helps visualize the system's components and flow.

8. SPECIFICATIONS

Feature	Specification
Model Number	ic15 ec520888
Compatible With	Pentair IntelliChlor IC15 automation systems
Replaces Part Numbers	EC-520888, 520888
Pool Size Rating	Up to 15,000 gallons
Chlorine Production	0.278 KG / 24 HR (Free Available Chlorine)

Feature	Specification
Power Requirements	24 VAC, 4A Max (Requires IC15 IntelliChlor External Power Supply 521171)
Product Dimensions	3 x 3 x 3 inches
Item Weight	6.41 pounds
Operating Temperature Range	-4°F to 158°F (-20°C to 70°C)
Material	Reinforced high-quality material, titanium plate electrolytic material
Product Benefits	Prevents Stains, Controls Algae, Kills Bacteria, Prevents Corrosion
UPC	737453433696



Figure 7: Visual summary of key parameters including Free Available Chlorine production (0.278 KG/24 HR), Pool Size Rating (15000 gallons), and Power (24 VAC, 4A Max). It also confirms compatibility with Pentair EC 520888 IntelliChlor IC15.

9. WARRANTY AND SUPPORT

Autoverve is committed to providing quality products and sincere service.

- **Warranty:** Our products come with a lifetime warranty.
- **Customer Support:** If you encounter any problems or have questions, please contact us at any time. We are dedicated to resolving issues within 24 hours to your satisfaction.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I contact Autoverve to get warranty support for the IC15 Pool Salt Cell Chlorine Generator?

Autoverve provides a lifetime warranty for the IC15 Pool Salt Cell Chlorine Generator. While the manual does not list a specific phone number or email address, it provides the following guidance for obtaining support:Response...

[Read full answer](#)