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Pentair iChlor 15 Power Pack Bundle

Pentair iChlor 15 Power Pack Bundle Instruction Manual

Model: iChlor 15 Power Pack Bundle (PPATOC)

Introduction

The Pentair iChlor 15 Power Pack Bundle is a sophisticated salt chlorine generator designed to provide convenient and effective pool sanitation. This system utilizes smart technology to produce a steady stream of pure chlorine from salt, resulting in softer, silkier pool water. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your iChlor 15 Power Pack Bundle.



Figure 1: Pentair iChlor 15 Power Pack Bundle. This image displays the main components: the iChlor salt cell (left) and the power supply unit (right), connected by a black cable. The power supply unit also has a standard electrical plug.

Important Safety Information

Please read and understand all safety warnings and instructions before installing or operating this equipment. Failure to follow these instructions could result in serious injury or death.

- **CAUTION:** Do not install this equipment within 10 feet (3.0 meters) of the wide wall of the pool or spa.
- **NOT FOR USE WITH STORABLE POOLS.**
- Always disconnect power before servicing the unit.
- Keep out of reach of children.
- If the overloaded fuse opens, replace with a 1A, 250V, 3AG style fuse.
- Ensure proper grounding and bonding according to local electrical codes.

Setup and Installation

Proper installation is crucial for the optimal performance and longevity of your iChlor system. It is recommended that installation be performed by a qualified pool professional.

Pre-Installation Checklist:

1. Verify pool volume and ensure it is within the capacity of the iChlor 15.

2. Check existing plumbing for proper flow and pressure.
3. Ensure adequate space for the power pack and cell installation, adhering to safety distances from the pool.
4. Confirm electrical supply matches the unit's requirements (Input: 100-240 VAC, 50/60 Hz, 2.0 Amps; Output: 24 VDC, 4.0 Amps).

Installation Steps:

1. **Mount the Power Pack:** Securely mount the power pack in a dry, well-ventilated area, away from direct sunlight and excessive heat. Ensure it is at least 10 feet (3.0 meters) from the pool edge.
2. **Install the Salt Cell:** The iChlor cell should be installed in the return line after the filter and heater, but before any pool returns. Ensure the flow direction arrow on the cell matches the water flow.
3. **Connect Wiring:** Connect the cell cable to the power pack. Connect the power pack to a properly grounded electrical outlet. Refer to the wiring diagram in the full manual for detailed instructions.
4. **Add Salt to Pool:** Calculate the required amount of salt based on your pool volume and current salinity. Dissolve the salt thoroughly before starting the system. Recommended salt level is typically 3400 ppm.
5. **Initial System Startup:** Once all connections are secure and salt is dissolved, power on the system. The iChlor will begin to generate chlorine.

Operating Instructions

The iChlor system is designed for intelligent and automatic operation. Once installed and configured, it will maintain your pool's chlorine levels efficiently.

Basic Operation:

- **Power On/Off:** The system typically powers on with your pool pump. Ensure the power pack is plugged in and receiving power.
- **Chlorine Output Adjustment:** The iChlor 15 allows for adjustment of chlorine output. Refer to the power pack's display or connected automation system (if applicable) to set the desired percentage. Start with a moderate setting and adjust as needed based on chlorine test results.
- **Status Indicators:** The power pack features indicator lights or a display to show system status, including salt level, cell status, and output percentage. Familiarize yourself with these indicators.
- **Super Chlorinate Mode:** For periods of heavy bather load or high chlorine demand, activate the Super Chlorinate mode to boost chlorine production for a set period.

Water Chemistry:

Maintaining proper water chemistry is vital for the performance of your iChlor system and the health of your pool. Regularly test and balance the following parameters:

- **Salt Level:** Maintain between 3200-3800 ppm (parts per million), with an ideal level of 3400 ppm. Low salt will reduce chlorine production; high salt can damage equipment.
- **Free Chlorine:** Maintain 1-3 ppm.
- **pH:** Maintain 7.4-7.6.
- **Cyanuric Acid (CYA):** Maintain 30-50 ppm. CYA protects chlorine from UV degradation.
- **Alkalinity:** Maintain 80-120 ppm.
- **Calcium Hardness:** Maintain 200-400 ppm.

Maintenance

Regular maintenance ensures the longevity and efficiency of your iChlor system.

Salt Cell Cleaning:

The iChlor cell is designed to be self-cleaning, but mineral scale buildup can occur, especially in hard water areas. Inspect the cell periodically (e.g., every 3 months or as indicated by the system).

- If scale is visible, clean the cell using a mild acid solution (e.g., 1 part muriatic acid to 4 parts water).
- Always wear appropriate personal protective equipment (PPE) when handling acids.
- Submerge the cell in the solution for no more than 15 minutes, or until bubbling stops. Rinse thoroughly with fresh water.

Winterization:

In areas subject to freezing temperatures, the iChlor cell must be removed and stored indoors during winter. Drain all water from the cell and store it in a dry, protected area.

Troubleshooting

This section provides solutions to common issues you might encounter with your iChlor system.

Problem	Possible Cause	Solution
Low/No Chlorine Output	Low salt level, dirty cell, low water flow, low CYA, cold water temperature.	Test and adjust salt level. Clean cell if scaled. Check pump and filter. Test and adjust CYA. Ensure water temperature is above 50°F (10°C).
"Check Salt" Indicator On	Salt level too low, sensor issue, cold water.	Test salt level and add salt if necessary. Ensure water temperature is adequate. If problem persists, consult a professional.
"Service" Indicator On	Cell needs cleaning, cell nearing end of life, internal fault.	Inspect and clean cell. If cleaning doesn't resolve, the cell may need replacement. Contact support if issue persists.

Specifications

Key technical specifications for the Pentair iChlor 15 Power Pack Bundle:

- **Model:** iChlor 15 Power Pack Bundle (PPATOC)
- **Chlorine Output:** Up to 1.45 lbs/day (0.66 kg/day)
- **Pool Size Capacity:** Up to 15,000 gallons (56,781 liters)
- **Input Power:** 100-240 VAC, 50/60 Hz, 2.0 Amps
- **Output Power:** 24 VDC, 4.0 Amps
- **Optimal Salt Level:** 3400 ppm (parts per million)
- **Minimum Operating Temperature:** 50°F (10°C)
- **ASIN:** B07MPS5W9K

Warranty Information

Pentair products are backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Pentair website. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting beyond this manual, or to locate authorized service centers, please contact Pentair Customer Support. You can find contact information on the official Pentair website or through the documentation provided with your product.
Pentair Official Website: www.pentair.com

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