



Manuals.plus /

› Autoverve /

› Autoverve 520556 Power Center Supply Instruction Manual for Pentair Intellichlor Salt Cell Chlorinators

## Autoverve 520556

# Autoverve 520556 Power Center Supply Instruction Manual

For Pentair Intellichlor Salt Cell Chlorinators IC60, IC40, IC20, IC15, Ichlor 15, 30

## 1. Product Overview

---

The Autoverve 520556 Power Center Supply is a replacement component designed to manage the power supply for Pentair Intellichlor and Ichlor salt cell chlorinator systems. This unit ensures the necessary power delivery for the stable operation of your pool's chlorine generator, contributing to a safe and clean swimming environment.

### 1.1 COMPATIBILITY

- Pentair Intellichlor IC60
- Pentair Intellichlor IC40
- Pentair Intellichlor IC20
- Pentair Intellichlor IC15
- Pentair Ichlor 15
- Pentair Ichlor 30

**Part Number:** 520556

### 1.2 KEY FEATURES

- Constructed with corrosion-resistant materials for extended service life.
- Features a robust all-copper coil for efficient power delivery.
- Integrated circuit protection against overcurrent, overvoltage, and overtemperature.
- Designed with a waterproof and dustproof metal casing to protect internal components.



Figure 1: Autoverve 520556 Power Center Supply. This image shows the external view of the power center supply unit, along with several red automotive-style fuses.

## 2. Safety Information

---

Always prioritize safety when working with electrical components and pool equipment. Failure to follow these safety guidelines may result in electric shock, injury, or damage to equipment.

- **Disconnect Power:** Before any installation, maintenance, or troubleshooting, ensure that all power to the pool equipment, including the chlorinator and the power center, is completely disconnected at the main circuit breaker.
- **Qualified Personnel:** Installation and servicing should be performed by a qualified pool technician or electrician in accordance with all local and national electrical codes.
- **Water and Electricity:** Never work on electrical components when wet or standing in water.
- **Grounding:** Ensure the unit is properly grounded as per electrical codes.

- **UL Standards:** This product is manufactured using rigorous processes in accordance with UL 60950-1 standards.

## 3. Installation and Setup

---

This section provides general guidance for installing the Autoverve 520556 Power Center Supply. Specific wiring diagrams and detailed instructions for your particular Pentair chlorinator model should be referenced from the original equipment manufacturer's manual or consulted with a professional.

### 3.1 PRE-INSTALLATION CHECKS

1. Verify that the Autoverve 520556 Power Center Supply is the correct replacement part for your Pentair Intellichlor or lchlor model.
2. Inspect the unit for any visible damage that may have occurred during shipping.
3. Ensure all necessary tools and safety equipment are available.

### 3.2 MOUNTING THE UNIT

1. Select a suitable mounting location that is protected from direct sunlight and excessive moisture.
2. The unit features mounting flanges for secure attachment to a wall or vertical surface.
3. Use appropriate fasteners (not included) to mount the power center securely.

### 3.3 ELECTRICAL CONNECTIONS

**WARNING:** Ensure power is OFF at the main breaker before proceeding.

1. Open the protective cover of the power center.
2. Identify the input power terminals and the output terminals for the salt cell chlorinator.
3. Connect the main power supply wiring to the input terminals according to the original chlorinator system's wiring diagram and local electrical codes.
4. Connect the wiring from the salt cell chlorinator to the output terminals.
5. Ensure all connections are tight and secure.
6. Close the protective cover.

# PRECISION MANUFACTURING

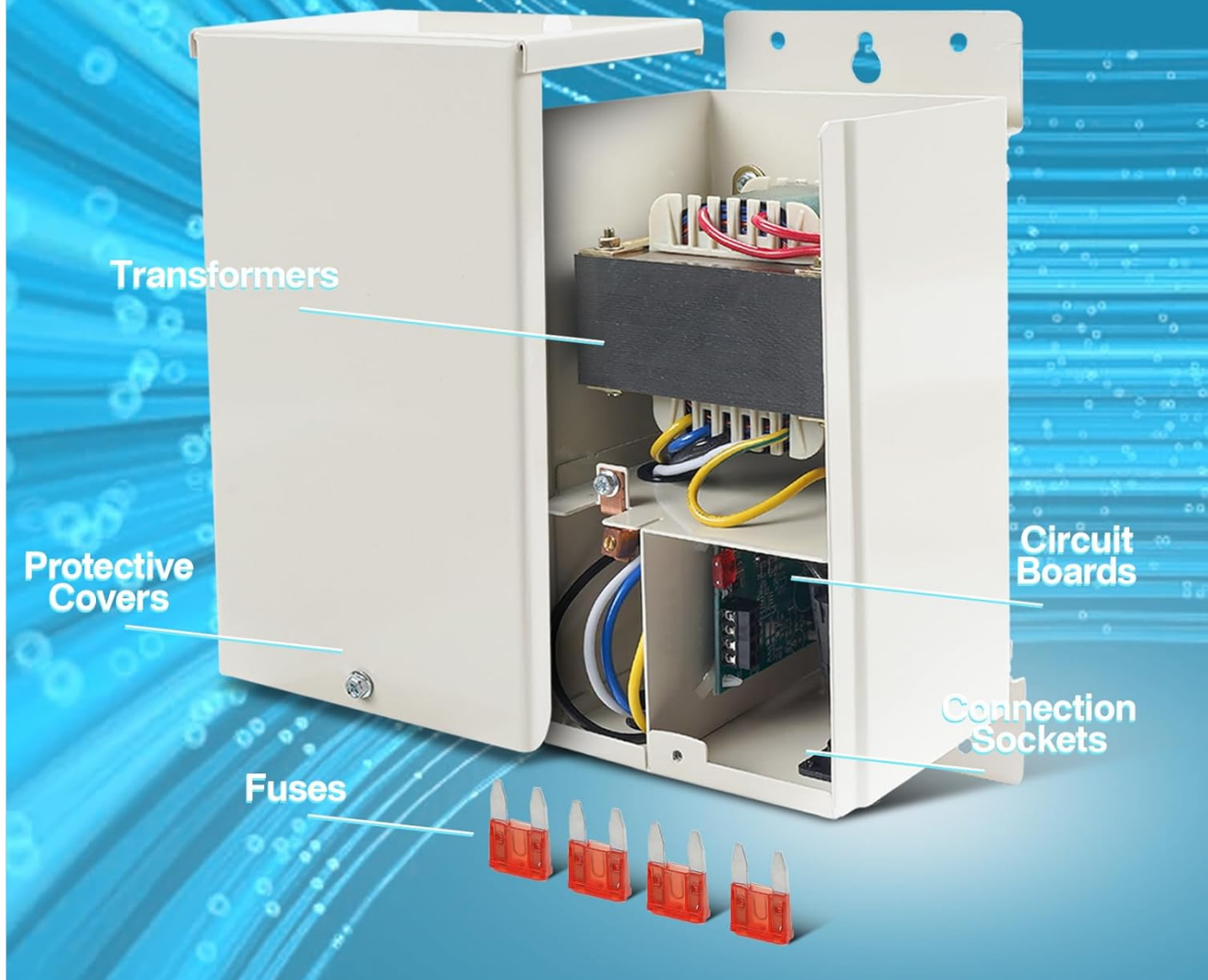


Figure 2: Internal components of the Power Center Supply. This image highlights the transformers, circuit boards, protective covers, fuses, and connection sockets within the unit.

## 4. Operating Instructions

---

Once installed and wired correctly, the Autoverve 520556 Power Center Supply operates automatically to provide power to your salt cell chlorinator. The chlorinator's operation is controlled by its own system settings.

1. After installation, restore power to the pool equipment at the main circuit breaker.
2. Monitor your Pentair Intellichlor or Ichlor system to ensure it powers on and functions as expected.
3. Refer to your chlorinator's specific manual for instructions on setting chlorine output levels and other operational parameters.

# CIRCUIT PROTECTION



Figure 3: Circuit Protection. This diagram illustrates the built-in safety features including overcurrent, overvoltage, and overtemperature protection, represented by a shield icon.

## 5. Maintenance

---

Regular maintenance helps ensure the longevity and optimal performance of your power center supply.

- **Environmental Protection:** Position the power center in a shaded area to prevent overheating from direct sunlight.
- **Visual Inspection:** Periodically inspect the unit for any signs of physical damage, corrosion, or loose connections.
- **Fuse Check:** If the chlorinator system is not receiving power, check the fuses within the power center. Replace blown fuses with new ones of the correct amperage (e.g., 10 Amp fuses). Always disconnect power before checking or replacing fuses.
- **Cleaning:** Keep the exterior of the unit clean and free from dust and debris. The waterproof and dustproof casing helps protect internal components.

# PARAMETER CONFIGURATION

**OEM** 520556



**Power** Voltage: 22-39V  
Current: 3A Max

**FIT FOR** Fits Pentair IntelliChlor pool and spa automatic control system models IC20, IC40, IC60

Also fits EasyTouch Non-Salt, SunTouch pool and spa automatic control systems

Figure 4: Parameter Configuration and Compatibility. This image displays the OEM part number 520556, power specifications (Voltage: 22-39V, Current: 3A Max), and compatibility with Pentair IntelliChlor and EasyTouch/SunTouch systems.

## 6. Troubleshooting

This section addresses common issues that may arise with the power center supply.

Problem	Possible Cause	Solution
Chlorine generator not operating / No power	Blown fuse Overload, short-circuit, over-voltage, over-current, or overheating Aging or component failure Loose wiring connection	<ol style="list-style-type: none"> <li>1. Disconnect power. Check and replace any blown fuses with the correct amperage.</li> <li>2. Inspect for signs of damage or corrosion.</li> <li>3. Verify all electrical connections are secure.</li> <li>4. If issues persist after checking fuses and connections, the unit may require replacement or professional inspection.</li> </ol>
Unit appears damaged (e.g., bent flanges)	Shipping damage	Minor bends in mounting flanges can often be carefully reformed. If the unit's internal components appear compromised, contact customer support.

## 7. Specifications

---

- **Model Number:** 520556
- **Product Dimensions:** 2 x 3 x 3 inches (approximate external dimensions)
- **Item Weight:** 10.67 pounds (4.85 Kilograms)
- **Input Voltage:** 22-39V (as indicated on compatible systems)
- **Max Current:** 3A (as indicated on compatible systems)
- **Manufacturer:** Autoverve
- **UPC:** 701933185221

## 8. Warranty and Support

---

Autoverve stands by the quality of its products.

- **Warranty:** This product comes with a lifetime warranty.
- **Customer Support:** For any quality issues or support needs, please contact Autoverve customer service. We aim to resolve issues within 24 hours to ensure your satisfaction.