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› [Pentair](#) /

› Pentair 520554 IntelliChlor IC20 Salt Chlorine Generator Cell User Manual

Pentair 520554

Pentair IntelliChlor IC20 Salt Chlorine Generator Cell User Manual

Model: 520554

Brand: Pentair

PRODUCT OVERVIEW

The Pentair IntelliChlor IC20 Salt Chlorine Generator is designed to produce chlorine for your pool safely, effectively, and automatically using common table salt. This system eliminates the need to manually add chlorine compounds, offering a convenient and efficient solution for pool sanitation. It features full diagnostic capabilities, including real-time cell life tracking, and captures daily performance data such as production settings, hours of operation, chlorine output, cell cleaning cycles, salt readings, and water temperature averages.

The unit is equipped with push-button operation and easy-to-view displays for quick checking of salt levels, cell cleanliness, sanitizer output, and water flow. An automatic shut-off feature protects the unit and extends cell life under low water temperature conditions. On-time cycling prevents calcium and scale build-up, further maximizing cell life. The IntelliChlor IC20 can communicate with IntelliTouch, EasyTouch, and SunTouch automation systems, and is certified to UL 1081 standard for safety and NSF approved.

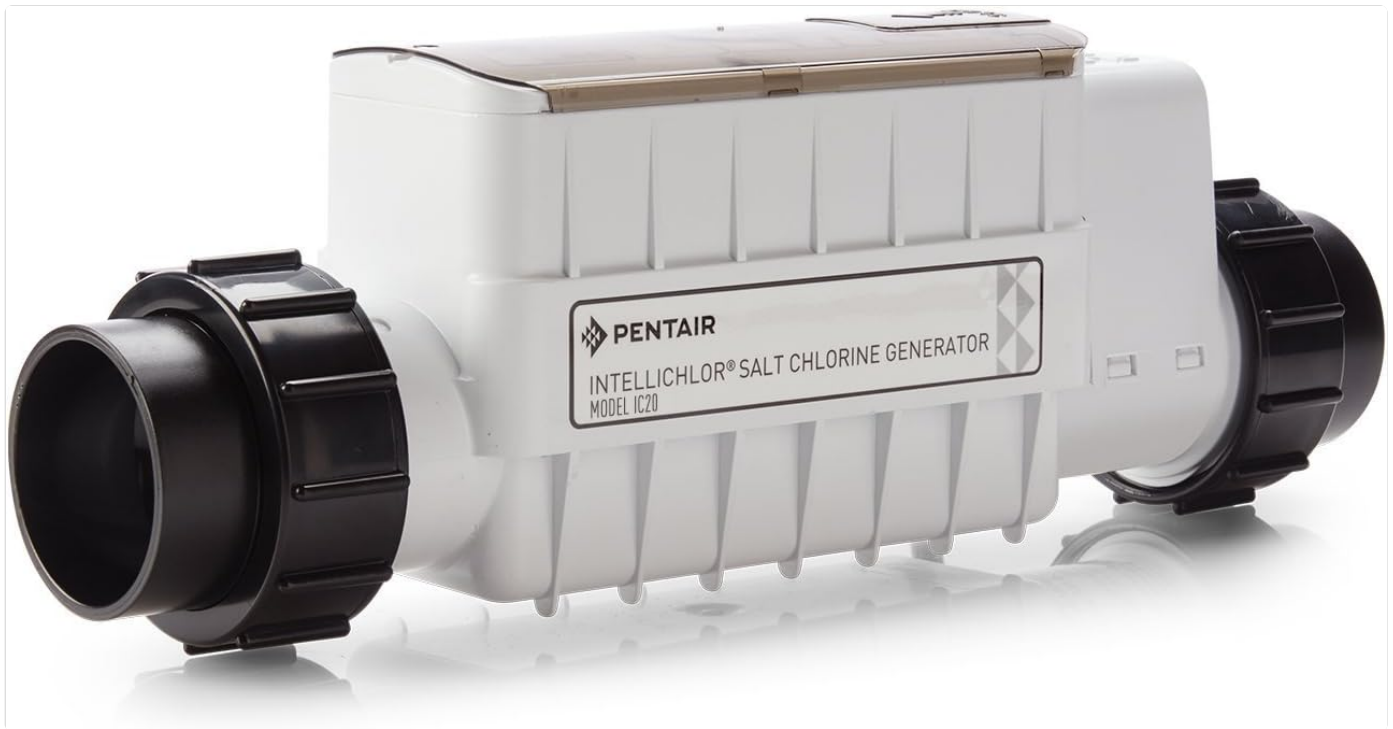


Image: Pentair IntelliChlor IC20 Salt Chlorine Generator Cell. This image shows the main unit of the salt chlorine generator, a white rectangular device with black threaded connectors on both ends, designed for inline installation in a pool's plumbing system. The Pentair logo and product name are visible on a label on the side.

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your IntelliChlor IC20 Salt Chlorine Generator. Please follow these steps carefully:

1. **Compatibility Check:** Ensure your existing pool automation system is compatible with the Pentair IntelliChlor IC20 Salt Chlorine Generator. If necessary, acquire and install a compatible automation system.
2. **Power Center Installation:** Install the Pentair 520556 IntelliChlor Power Center (sold separately). Refer to the Power Center's manual for specific installation instructions.
3. **Generator Connection:** Connect the IntelliChlor IC20 generator to the power center according to the manufacturer's guidelines. Ensure all connections are secure and watertight.
4. **Initial Settings:** After installation, adjust the generator settings as needed using the push-button controls on the unit.

OPERATING INSTRUCTIONS

The IntelliChlor IC20 is designed for user-friendly operation. Follow these guidelines for effective chlorine production:

- **Monitoring Displays:** Utilize the easy-to-view displays to quickly check current salt levels, cell cleanliness status, sanitizer output, and water flow.
- **Output Adjustment:** Adjusting the chlorine output is simple, typically requiring only two button presses. Refer to the unit's display for current output settings.
- **Performance Data:** The system automatically captures and stores all critical performance data daily, including production settings, hours of operation, chlorine output, cell cleaning cycles, and average water temperature. This data assists in optimizing pool chemistry.
- **Cell Life Tracking:** The unit features a cell use tracking function that communicates the remaining hours of cell life in real-time, allowing for proactive maintenance and replacement planning.

- **Automatic Shut-off:** The IntelliChlor IC20 includes an automatic shut-off feature that activates under low water temperature conditions. This protects the unit and prolongs the cell's operational life.
- **On-Time Cycling:** The system employs on-time cycling to prevent the accumulation of calcium and scale, which helps maximize the lifespan of the cell.
- **Automation System Communication:** The generator is capable of communicating with Pentair IntelliTouch, EasyTouch, and SunTouch automation systems for integrated pool management.

MAINTENANCE

Regular maintenance ensures the efficiency and longevity of your IntelliChlor IC20 Salt Chlorine Generator:

- **Cell Cleaning:** It is recommended to clean the generator cell every three months. Inspect the cell for any signs of calcium or scale buildup and clean as necessary following the manufacturer's instructions for descaling.
- **Salt Level Monitoring:** Consistently maintain the recommended salt level in your pool, typically between 3500 - 4000 PPM (Parts Per Million). Refer to your pool water testing kit or professional pool service for accurate readings.
- **Preventative Cycling:** The unit's on-time cycling feature actively works to prevent calcium and scale buildup. Ensure the unit is operating correctly to benefit from this feature and maximize cell life.

TROUBLESHOOTING

If you encounter issues with your IntelliChlor IC20, consider the following common troubleshooting steps:

- **No Chlorine Production:**
 - Verify that the unit's power lights are on and indicating normal operation.
 - Check the pool's salt level. If it is too low, the unit will not produce chlorine. Adjust salt levels to the recommended range (3500-4000 PPM).
 - Inspect the cell for heavy calcium or scale buildup. A dirty cell can significantly reduce or halt chlorine production. Clean the cell if necessary.
 - Ensure proper water flow through the cell. Low flow can trigger a shut-off. Check for blockages in the plumbing or issues with the pool pump.
 - Confirm that the chlorine output setting on the unit is not set to zero or a very low percentage.
- **Error Codes/Indicators:** Refer to the specific error codes displayed on the unit's screen. Consult the comprehensive user manual (link provided in Support section) for detailed explanations and solutions for each code.
- **Short Cell Life:**
 - Ensure proper salt levels are consistently maintained.
 - Regularly clean the cell to prevent scale buildup, which can prematurely wear out the cell.
 - Verify that the unit is not frequently operating in low water temperature conditions without the automatic shut-off engaging, or if the shut-off is bypassed.

For persistent issues, it is recommended to consult a qualified pool professional or contact Pentair customer support.

SPECIFICATIONS

Feature	Detail
Brand	Pentair

Model Number	520554
Product Dimensions	17.5 x 6.5 x 6.75 inches
Item Weight	7.5 Pounds
Item Form	Salt (for chlorine generation)
Product Benefits	Maintains Clean Sanitized Water
UPC	788379691967
Certifications	UL 1081, NSF Approved
Compatibility	IntelliTouch, EasyTouch, SunTouch automation systems
Required Accessory	Pentair 520556 Intellichlor Power Center (sold separately)

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Pentair warranty documentation included with your product or visit the Pentair website. Warranty terms typically cover defects in materials and workmanship for a specified period from the date of purchase.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Pentair customer service directly. You can also find additional resources, including the full user manual, at the following link:

[Official User Manual \(PDF\)](#)

For more information about Pentair products, visit the official Pentair store: [Pentair Store on Amazon](#)