

WESTAHO WE-035

WESTAHO Salt Chlorine Generator & Pool Pump WE-035 Instruction Manual

Model: WE-035

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1. INTRODUCTION

The WESTAHO Salt Chlorine Generator & Pool Pump (Model WE-035) is an integrated saltwater system designed for above-ground pools up to 15,000 gallons. This unit combines a powerful pump with a salt chlorinator to provide efficient and chemical-free pool sanitation. It features USA-made titanium cells for extended durability, smart monitoring capabilities, and an integrated timer system for synchronized operation. The robust IP66 waterproof design ensures reliable outdoor use.

2. IMPORTANT SAFETY INFORMATION

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

- **Electrical Safety:** Always disconnect power before performing any service or maintenance. Ensure the unit is connected to a properly grounded outlet protected by a Ground Fault Circuit Interrupter (GFCI).
- **Water Chemistry:** Maintain proper pool water chemistry as specified in this manual to ensure safe and effective operation.
- **Children:** Keep children away from the unit and ensure they do not operate it.
- **Installation:** Install the unit according to local electrical and plumbing codes. Do not operate if the unit or power cord is damaged.
- **Chemical Handling:** While this system reduces the need for traditional chlorine, proper handling of pool chemicals (like salt) is still necessary. Refer to chemical manufacturer guidelines.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- WESTAHO Salt Chlorine Generator & Pool Pump Unit (Model WE-035)
- Connection Hoses
- Hose Clamps (x4)
- Inlet/Outlet Adapters (x2)
- Sealing O-rings (x4)
- Power Cord
- Instruction Manual

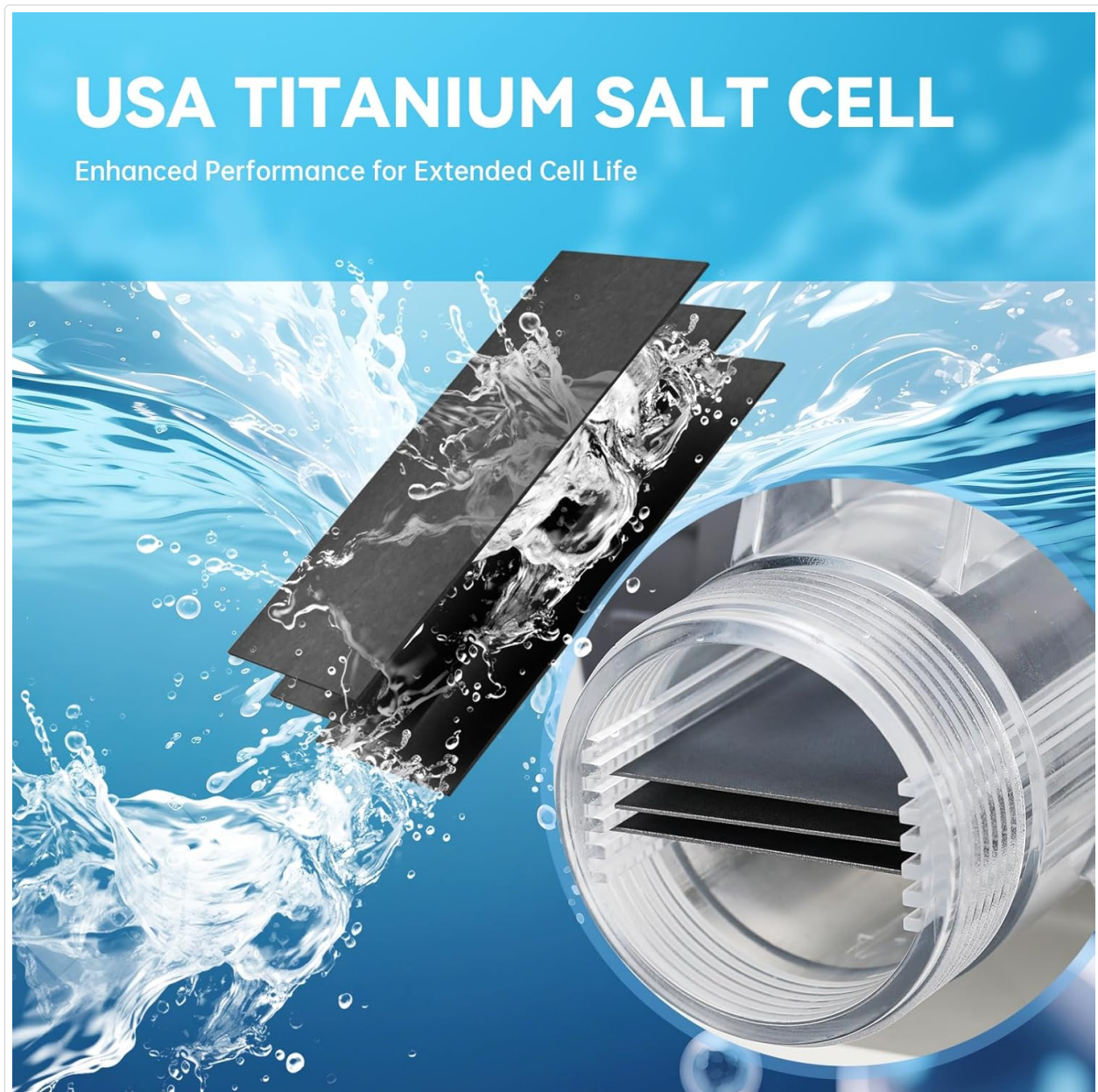


Image: The WESTAHO Salt Chlorine Generator and Pool Pump unit shown with its various components and overall dimensions.

4. SETUP AND INSTALLATION

The WESTAHO WE-035 is designed for easy installation with above-ground pools, including compatibility with Intex pools. This all-in-one unit simplifies the setup process by integrating the pump and chlorinator.

4.1 Pool Preparation

- Ensure your pool is clean and free of debris.
- Test your pool water for pH, alkalinity, and stabilizer (cyanuric acid) levels. Adjust as necessary according to recommended ranges.
- Add pool salt (sodium chloride) directly to the pool water. Refer to the salt level guidelines in Section 5.1. Allow the salt to dissolve completely before operating the unit.

4.2 Unit Placement

- Place the unit on a stable, level surface near the pool.
- Ensure adequate ventilation around the unit.
- Position the unit to allow easy access for operation and maintenance.

4.3 Plumbing Connections

Connect the unit to your pool's filtration system. The integrated design means the pump and chlorinator are pre-connected. The unit features a high-sensitivity magnetic flow switch for reliable performance.

1. Connect the pool's return line (water to pool) to the outlet of the WESTAHO unit.
2. Connect the pool's suction line (water from pool) to the inlet of the WESTAHO unit.
3. Secure all hose connections with the provided clamps to prevent leaks.



Image: An illustration demonstrating the simple plumbing connections for the WESTAHO unit, showing water flow from the pool, through the unit, and back to the pool.

4.4 Electrical Connection

- Plug the power cord into a grounded GFCI-protected electrical outlet.
- Ensure the power cord is not damaged and is routed safely to avoid tripping hazards.

5. OPERATING INSTRUCTIONS

The WESTAHO WE-035 features an advanced LED control panel for smart monitoring and an integrated timer system for convenient operation.

5.1 Control Panel Overview

The LED control panel displays real-time information about your pool system:

- **Salt Level:** Indicates the current salt concentration in the pool water.

- **Water Temperature:** Displays the current pool water temperature.
- **Cell Usage:** Shows the total operating time of the electrolytic cell.
- **Cell Voltage:** Displays the voltage across the electrolytic cell.
- **Cell Current:** Displays the operating current of the electrolytic cell.



Image: The unit's control panel showing various real-time monitoring parameters such as pool water temperature, total cell usage time, cell voltage, and cell operating current.

5.2 Initial Startup

1. Ensure all connections are secure and the pool has the correct salt level (typically 3000-4000 ppm).
2. Press the **POWER** button to turn on the unit. The pump will start, and the chlorinator will begin operation.
3. Monitor the LED display for initial readings.

5.3 Setting the Timer

The integrated pump timer ensures synchronized operation. The unit offers two timer modes:

- **Cycle Mode:** Allows setting specific on/off periods throughout the day.
- **24-Hour Cycle Mode:** Operates continuously for a set duration within a 24-hour period.

Refer to the detailed instructions in the full manual for specific timer programming steps using the **SET**, **MORE**, and **LESS** buttons.

5.4 Sanitizer Output Adjustment

Use the **MORE** and **LESS** buttons to adjust the sanitizer output percentage (e.g., 20%, 40%, 60%, 80%, 100%) based on your pool size, usage, and desired chlorine levels. The ideal output will maintain a free chlorine residual of 1-3 ppm.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your WESTAHO Salt Chlorine Generator & Pool Pump.

6.1 Cell Cleaning

The unit features USA-made titanium cells designed for durability. However, mineral deposits can accumulate over time, reducing efficiency. The control panel indicates when an acid clean is recommended (typically every 3 months).

1. Disconnect power to the unit.
2. Remove the electrolytic cell from the unit.
3. Prepare a cleaning solution of diluted muriatic acid (follow manufacturer's instructions for safe handling and dilution).
4. Submerge the cell plates in the solution until deposits are removed. Do not submerge the electrical connections.
5. Rinse the cell thoroughly with fresh water and reinstall.



Image: A detailed view of the USA-made titanium salt cell, emphasizing its construction and the water flow through it during operation.

6.2 Low-Temperature Protection

The unit includes built-in low-temperature protection, automatically shutting off operation when the water temperature drops below 52°F (11°C). This feature helps extend the lifespan of the cell and prevents damage in cold conditions.

6.3 Winterization

Before freezing temperatures arrive, it is essential to properly winterize your unit:

- Disconnect power to the unit.
- Drain all water from the pump and chlorinator cell.
- Remove the unit and store it in a dry, frost-free location.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your WESTAHO Salt Chlorine Generator & Pool Pump.

Problem	Possible Cause	Solution
Unit not powering on	No power, tripped GFCI, faulty connection	Check power outlet, reset GFCI, ensure power cord is securely connected.
Low chlorine production	Low salt level, dirty cell, low water temperature, incorrect sanitizer output setting	Check and adjust salt level, clean the cell (refer to Section 6.1), ensure water temperature is above 52°F, increase sanitizer output setting.

Problem	Possible Cause	Solution
"LOW SALT" indicator	Insufficient salt in pool water	Add pool salt according to pool volume and current salt level. Allow time for dissolution.
"NO FLOW" indicator	No water flow through the cell, clogged filter, closed valve	Check pump operation, clean pool filter, ensure all valves are open, inspect for blockages in plumbing.
Water cloudy or green	Insufficient chlorine, poor filtration, unbalanced water chemistry	Increase sanitizer output, run pump longer, backwash/clean filter, test and balance pool water (pH, alkalinity, stabilizer).

If you encounter issues not listed here or if solutions do not resolve the problem, please contact WESTAHO customer support.

8. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	WESTAHO
Model Number	WE-035
Item Weight	7.23 Kilograms
Pool Type Compatibility	Above Ground Pools
Maximum Pool Capacity	Up to 15,000 Gallons
Cell Type	USA Made Titanium Cells (3 plates)
Waterproof Rating	IP66
Monitoring Features	Real-time salt levels, water temperature, cell usage, voltage, current
Timer System	Integrated pump timer (Cycle Mode, 24-Hour Cycle Mode)
Safety Features	Low-temperature protection (shuts off below 52°F), Magnetic Flow Switch
Product Benefits	Kills Algae, Kills Bacteria, Prevents Corrosion, Prevents Scale, Prevents Stains, Reduces Chlorine Odor

9. WARRANTY AND CUSTOMER SUPPORT

9.1 Warranty Information

WESTAHO products are manufactured to high-quality standards. For specific warranty details regarding your Model WE-035 Salt Chlorine Generator & Pool Pump, please refer to the warranty card included with your purchase or visit the official WESTAHO website. Typically, the USA-made titanium cells are designed to last up to 2 years under normal operating conditions and proper maintenance.

9.2 Customer Support

If you have any questions, require technical assistance, or need to report an issue with your product, please contact WESTAHO customer support. Have your model number (WE-035) and purchase information ready when contacting support.

WESTAHO Customer Service:

- Refer to your product packaging or the official WESTAHO website for the most current contact information (phone, email, or support portal).