

VEVOR 89420003

VEVOR Salt Cell Chlorinator User Manual (Model: 89420003)

For In-Ground Swimming Pools up to 15000 Gallons

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1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your VEVOR Salt Cell Chlorinator. Please read it thoroughly before installation and use, and retain it for future reference.

The VEVOR Salt Cell Chlorinator is designed to provide a continuous supply of chlorine for your in-ground swimming pool, utilizing advanced electrolytic technology to convert salt into chlorine. This system helps maintain clean, balanced pool water, reducing the need for traditional chlorine tablets and minimizing skin and eye irritation.

2. SAFETY INFORMATION

- **Electrical Safety:** Always disconnect power to the pool pump and chlorinator before performing any installation, maintenance, or service. Ensure all electrical connections are made by a qualified electrician and comply with local codes.
- **Chemical Handling:** Handle pool chemicals, including salt and muriatic acid (for cleaning), with extreme care. Wear appropriate personal protective equipment (PPE) such as gloves and eye protection. Follow manufacturer's instructions for all chemicals.
- **Water Flow:** Ensure proper water flow through the chlorinator cell. Operating without adequate flow can damage the unit.
- **System Compatibility:** Verify that your existing pool system (e.g., Hayward AquaRite, AquaRite Pro, SwimPure Plus, AquaPlus, ProLogic, OmniLogic) is compatible and meets the required software version (r1.5 or higher) for optimal performance.
- **Children and Pets:** Keep children and pets away from pool equipment and chemicals.

3. PACKAGE CONTENTS

The VEVOR Salt Cell Chlorinator package includes the following items:

- VEVOR Salt Cell Chlorinator Unit (Model: 89420003)
- Power Cable (15 ft / 4.6 m)
- 2-inch PVC Connectors (2 pcs)
- 1.5-inch PVC Connectors (2 pcs)
- Nuts (2 pcs)
- O-ring Seals (4 pcs)
- Pipe Cleaning Hook (1 pc)
- User Manual



Image: VEVOR Salt Cell Chlorinator unit, power cable, O-rings, and pipe cleaning hook.

4. SPECIFICATIONS

Feature	Detail
Model Number	89420003
Applicable Pool Capacity	Up to 15,000 Gallons (In-Ground Pools)
Chlorine Output	0.55 lbs/day (10.4 g/h)
Power Cord Length	15 ft / 4.6 m
Material (Shell)	ABS
Material (Electrodes)	Titanium Metal
Product Dimensions	13.3 x 4.3 x 5.0 inches (339 x 109 x 128 mm)
Net Weight	3.7 lbs / 1.7 kg
UPC	197988366164



Image: Detailed dimensions and specifications of the VEVOR Salt Cell Chlorinator.

5. SETUP & INSTALLATION

This section outlines the steps for installing your VEVOR Salt Cell Chlorinator. Ensure all safety precautions are followed.

5.1 Pre-Installation Checklist

- Gather necessary tools: tape measure, hacksaw (or PVC cutter), sandpaper, PVC primer, PVC cement, and silicone gel.
- Ensure your pool system is compatible (e.g., Hayward AquaRite, AquaRite Pro, SwimPure Plus, AquaPlus, ProLogic, OmniLogic automation systems with software version r1.5 or higher).
- Turn off the pool pump and disconnect power to the chlorinator and pump at the main breaker.

5.2 Installation Steps

1. **Mark the Pipe:** Identify the section of the return line where the chlorinator will be installed. Use a tape measure and marker to mark the pipe according to the dimensions provided in the user manual (e.g., 273mm for the main unit length).
2. **Cut the Pipe:** Carefully cut the marked section of the PVC pipe using a hacksaw or PVC cutter. Ensure clean, straight cuts.
3. **Prepare Connectors:** Slide the nuts onto the cut pipe ends. Insert the O-ring seals into the PVC connectors.
4. **Sand and Prime:** Lightly sand the outside of the pipe ends and the inside of the PVC connectors with sandpaper to ensure a good bond. Apply PVC primer to both surfaces.
5. **Apply Silicone Gel:** Apply silicone gel to the outside of the pipe ends and the inside of the PVC connectors.
6. **Attach Connectors:** Firmly push the PVC connectors onto the pipe ends, ensuring a tight fit. Allow the silicone gel to dry for at least 2 hours before proceeding.
7. **Install Chlorinator Unit:** Ensure the water flow direction arrow on the chlorinator unit aligns with the direction of water flow in your pool's return line. The side marked "water inlet" should face the pump, and "water outlet" should face the pool.
8. **Secure the Unit:** Insert the chlorinator unit between the installed PVC connectors. Tighten the nuts on both sides to secure the unit firmly in place.
9. **Connect Power:** Connect the power supply cable to the chlorinator unit. Ensure the power supply is off at the main breaker before making any electrical connections.

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Video: Step-by-step guide on how to install the VEVOR Salt Cell Chlorinator. This video demonstrates pipe cutting, connector preparation, and unit installation.

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Video: Overview of the VEVOR Salt Water Chlorination System, showing its components and general installation process.

6. OPERATING INSTRUCTIONS

Once the chlorinator is installed and the silicone gel has fully cured (minimum 24 hours), you can begin operation.

1. **Add Salt to Pool:** Ensure your pool has the correct salt level as recommended by your pool system manufacturer (typically 3000-4000 ppm). Refer to your pool system's manual for specific salt requirements and testing procedures.
2. **Restore Power:** Turn on the power to the pool pump and chlorinator at the main breaker.
3. **Activate Chlorinator:** Follow the instructions for your specific pool automation system (e.g., Hayward AquaRite, AquaPlus) to activate the salt chlorinator. Check the system's display for salt level readings and operational status.
4. **Monitor Chlorine Production:** The chlorinator will begin producing chlorine. Monitor your pool's chlorine levels regularly using a test kit. Adjust the chlorinator's output settings on your pool system's control panel as needed to maintain desired chlorine levels.
5. **Water Balance:** Regularly test and balance your pool's pH and alkalinity for optimal performance and swimmer comfort.

Ideal for In-Ground Pools Up to **15000 Gallons**



0.55 lbs/day
Chlorine Output

Image: VEVOR Salt Cell Chlorinator integrated into a pool's filtration system, demonstrating its function in maintaining water quality.

7. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your VEVOR Salt Cell Chlorinator.

7.1 Routine Cleaning (Every 3 Months)

1. **Disconnect Power:** Always turn off the pool pump and disconnect power to the chlorinator at the main breaker before cleaning.
2. **Remove Cell:** Loosen the nuts on both ends of the chlorinator unit and carefully remove it from the plumbing.
3. **Inspect Cell:** Visually inspect the titanium plates inside the cell for scale buildup (white, flaky deposits).
4. **Acid Wash (if necessary):** If scale buildup is present, perform an acid wash.
 - Use a salt cell cleaning stand (if available) or a suitable container.
 - Mix a solution of 1 part muriatic acid to 4 parts water. **Always add acid to water, never water to acid.**
 - Submerge the cell plates in the acid solution, ensuring the electrical connection is kept dry. Allow it to soak until the bubbling stops (typically 5-15 minutes). Do not over-soak.
 - Rinse the cell thoroughly with clean water.
5. **Reinstall Cell:** Reinstall the clean chlorinator unit into the plumbing, ensuring the O-rings are properly seated and the nuts are tightened. Restore power and resume normal operation.

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Video: General instructions on how to clean a salt cell using an acid wash. (Note: This video is from a different brand but demonstrates a common cleaning procedure for salt cells.)

8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your VEVOR Salt Cell Chlorinator.

Problem	Possible Cause	Solution
Low Chlorine Output	Low salt level in pool	Test pool salt level and add salt if necessary.
	Dirty or scaled cell plates	Clean the chlorinator cell as per maintenance instructions.
	Insufficient water flow	Check pool pump, filter, and plumbing for obstructions. Ensure pump is running.
"No Flow" Indicator	Low water flow through the cell	Verify pool pump is operating, check for clogged skimmer/pump baskets, dirty filter, or closed valves.
"Inspect Cell" Indicator	Cell requires cleaning or is nearing end of life	Clean the chlorinator cell. If the issue persists after cleaning, the cell may need replacement.
Water Leaks	Loose connections or damaged O-rings	Ensure all nuts are tightened. Inspect and replace O-rings if damaged.

9. WARRANTY & SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit

the official VEVOR website.

You may also contact VEVOR customer service directly for assistance with product registration, troubleshooting, or replacement parts.

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