

Sugar Valley Hidrolife Salt Chlorinator 50 g/h

Sugar Valley Hidrolife Salt Chlorinator 50 g/h User Manual

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Sugar Valley Hidrolife Salt Chlorinator 50 g/h. This device is designed for efficient and automatic chlorine production in private swimming pools, ensuring clean and safe water. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

SAFETY INFORMATION

- Read all instructions carefully before installation and operation.
- Installation must be performed by a qualified professional in accordance with local electrical and plumbing codes.
- Always disconnect power to the unit before performing any maintenance, inspection, or service.
- Keep the device out of reach of children and unauthorized personnel.
- Ensure the installation area is dry, well-ventilated, and protected from direct sunlight and extreme temperatures.
- Do not operate the unit if any part is damaged or appears to be malfunctioning.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- Electronic Housing (compact flame-retardant ABS plastic, dimensions: 255 x 200 x 124 mm)
- Titanium Electrolysis Cell
- 63 mm Transparent PVC Support for cell installation
- User Manual

SETUP AND INSTALLATION

1. Mounting the Electronic Housing:

Select a dry, well-ventilated location, away from direct sunlight, heat sources, and corrosive chemicals. Mount the electronic housing securely to a wall using appropriate fasteners. Ensure there is sufficient space around the unit for ventilation and access.



Image: The electronic housing of the Hidrolife Salt Chlorinator, typically mounted on a wall near the pool's filtration system.

2. Installing the Electrolysis Cell:

Install the titanium electrolysis cell in the pool's return line, after the filter and heater (if applicable). Use the provided 63 mm transparent PVC support for proper connection. The cell can be installed horizontally or vertically, ensuring proper water flow through it. Ensure all plumbing connections are tight and leak-free.

3. Electrical Connection:

Connect the electronic housing to a dedicated power supply, following all local electrical codes and safety regulations. Ensure the main power supply is OFF before making any electrical connections. A qualified electrician should perform this step.

4. Adding Salt to the Pool:

Add the appropriate amount of salt to the pool water to achieve the recommended concentration. The Hidrolife system is designed to operate with various salt concentrations, including seawater. Refer to your pool chemistry guidelines for optimal salt levels. Allow the salt to dissolve completely before starting the chlorinator.

OPERATING INSTRUCTIONS

Initial Start-up

1. Once installation is complete and salt is dissolved, turn on the main power supply to the unit.
2. The display on the electronic housing will illuminate, showing the current operating status and chlorine production.
3. The integrated low salt level and circulation fault alarms will activate if conditions are not met (e.g., insufficient salt or no water flow). Address any alarms before proceeding.
4. The 16-bit microprocessor will begin controlling chlorine production based on amperage. The display will show the exact chlorine production per hour.

Adjusting Chlorine Production

Use the control panel buttons on the electronic housing to adjust the desired chlorine production level. The system ensures stable chlorine production, adapting to the set parameters.

Polarity Reversal for Self-Cleaning

The Hidrolife system features programmable polarity reversal for automatic self-cleaning of the electrolysis cell. This process helps prevent scale buildup and extends the cell's life up to 15,000 hours. The timing of this reversal can be adjusted based on your pool's usage and water hardness. Consult the on-screen menu for programming options.

MAINTENANCE

Regular Checks

- **Salt Level:** Periodically check the salt level in the pool water using a reliable test kit. Maintain levels within the recommended range for optimal performance.
- **Cell Inspection:** Although the cell is 100% self-cleaning, it is advisable to visually inspect the titanium electrolysis cell once a month for any unusual scale buildup or debris.
- **Water Circulation:** Ensure proper water circulation through the cell. The system includes a circulation fault alarm to alert you to any issues.
- **Housing Cleanliness:** Keep the electronic housing clean and free from dust and moisture.

Cell Cleaning

The monopolar electrolysis cell is designed for 100% self-cleaning through polarity reversal. In rare cases, if significant scale buildup is observed despite the self-cleaning function, consult a qualified pool technician for manual cleaning. Always disconnect power to the unit before handling the cell for any reason.

TROUBLESHOOTING

This section provides solutions to common issues. For problems not listed, please contact customer support.

Problem	Possible Cause	Solution
Low Chlorine Production	Low salt level in pool water	Add salt to the pool water to reach recommended levels.
Low Chlorine Production	Insufficient water flow through the cell	Check pool pump operation, filter cleanliness, and plumbing for obstructions.
Low Salt Alarm Indicator On	Actual low salt level or sensor issue	Test salt level and add salt if necessary. If level is correct, contact support.
Circulation Fault Alarm On	No or low water flow through the cell	Verify pool pump is running, check for air in the system, or clogged filter.
Display Not Working / Unit Not Powering On	No power supply or internal electrical fault	Check power connections and circuit breaker. If problem persists, contact a qualified technician.

SPECIFICATIONS

- **Model:** Hidrolife Salt Chlorinator 50 g/h
- **Chlorine Production:** 50 grCl₂/h
- **Electronic Housing Dimensions:** 255 x 200 x 124 mm
- **Housing Material:** Flame-retardant ABS plastic
- **Cell Type:** Monopolar, 100% self-cleaning, autoclave-resistant titanium cell
- **Microprocessor:** 16-bit for precise amperage control
- **Integrated Alarms:** Low salt level, circulation fault
- **Polarity Reversal:** Programmable for extended cell life (up to 15,000 hours)
- **Recommended Pool Volume:** Up to 300 m³ (private pools)
- **Item Weight:** 50 Grams
- **Brand:** Sugar Valley

WARRANTY AND SUPPORT

This Sugar Valley Hidrolife Salt Chlorinator 50 g/h comes with a standard manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms, conditions, and duration. For technical support, troubleshooting assistance, spare parts, or service, please contact your authorized Sugar Valley dealer or visit the official Sugar Valley website for contact information.

Please retain your proof of purchase for warranty claims.