

[Manuals.plus](#) /

› [NOGRAX](#) /

› NOGRAX 16g/h Salt Chlorinator User Manual

NOGRAX 16g/h

NOGRAX 16g/h Salt Chlorinator User Manual

Model: 16g/h

1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the safe and efficient operation of your NOGRAX Salt Chlorinator. This device is designed to generate chlorine from salt dissolved in your pool or spa water, providing effective sanitation. It features advanced microcomputer technology for ease of use and includes automatic cleaning and protection functions. The NOGRAX Salt Chlorinator is suitable for swimming pools, spa pools, and hot tubs up to a specified volume, depending on the model variant.



Figure 1: NOGRAX Salt Chlorinator unit with its transformer. This system efficiently sanitizes pool water by converting salt into chlorine.



Figure 2: The NOGRAX Salt Chlorinator in a typical pool environment, emphasizing its user-friendly design and automatic cleaning capability.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installation and operation to prevent injury or damage to the equipment.

- **Electrical Safety:** Ensure the power supply matches the specified input voltage (100-240V, 50/60Hz). All electrical connections should be performed by a qualified electrician and comply with local codes.
- **Water Temperature:** The unit is designed with water temperature protection (10-40 °C). Operating outside this range may damage the unit or reduce efficiency.
- **Water Flow:** The chlorinator requires adequate water flow to operate correctly. It includes water cutoff and water shortage protection features.
- **Chemical Handling:** While salt is generally safe, avoid direct contact with concentrated salt solutions. Always follow safety guidelines for handling pool chemicals.

- **Children and Pets:** Keep the device and its components out of reach of children and pets.

3. PACKAGE CONTENTS

Upon opening your NOGRAX Salt Chlorinator package, please verify that all the following items are included:

- 1 x Salt Chlorinator Unit
- 1 x Step-down Transformer
- 2 x Black Connectors
- 1 x Instruction Manual (this document)



Figure 3: Contents of the NOGRAX Salt Chlorinator package, including the main unit, transformer, and connectors.

4. SPECIFICATIONS

The NOGRAX Salt Chlorinator is available in various capacities. The specifications for the 16g/h model and other variants

are detailed below:

- **Item Type:** Salt Chlorinator
- **Material:** Plastic
- **Input Voltage:** 100-240V
- **Voltage Frequency:** 50/60Hz
- **Weight (Approx.):** 3196g / 112.7oz
- **Product Use:** Swimming pool salt chlorinator for pools, spa pools, swimming tanks, and infinity pools.

Model Specifics

Model	Size (mm)	Working Voltage (V)	Working Current (A)	Max Chlorine Output (g/h)	Dia. of Water Inlet and Outlet	Max Pool Volume (m³)
HT8	387x122x152	DC 24	4	8	1.5"/50mm	35
HT12	387x122x152	DC 24	4	12	1.5"/50mm	50
HT16	387x122x152	DC 24	4	16	1.5"/50mm	68
HT20	387x122x152	DC 24	4	20	1.5"/50mm	85

Note: The 16g/h model (HT16) is highlighted in bold.

5. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your salt chlorinator. It is recommended that installation be performed by a qualified professional.

1. **Placement:** Install the chlorinator unit in the pool's filtration system plumbing, typically after the filter and heater, but before any chemical feeders. Ensure it is easily accessible for maintenance.
2. **Water Level Detection:** The electronic chlorine generator features a water level detection function. The unit will only operate when the probe detects sufficient water flow, ensuring safe operation.
3. **Electrical Connection:** Connect the step-down transformer to a suitable power outlet (100-240V, 50/60Hz) and then to the chlorinator unit using the provided connectors. Ensure all connections are secure and waterproof.
4. **Plumbing Connections:** Use the black connectors to integrate the chlorinator into your pool's plumbing system. Ensure a watertight seal to prevent leaks.
5. **Salt Level:** Before operation, ensure your pool water has the correct salt concentration as recommended by pool chemical guidelines. Refer to your pool test kit for accurate readings.

Chlorine Generator

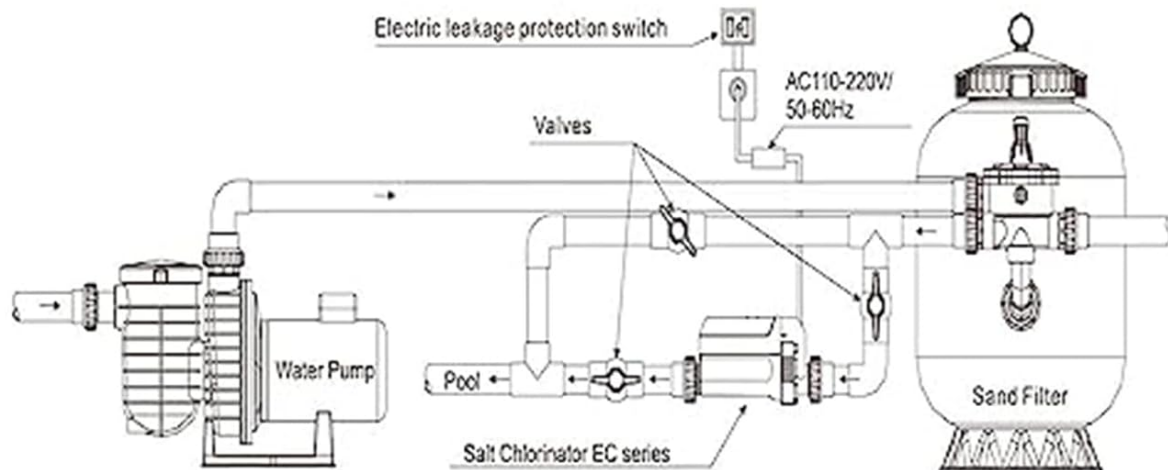
Salt level prompt and fault alarm function

Suitable for hydrotherapy pools, SPAs, swimming pool, etc.



Figure 4: Schematic diagram illustrating the recommended plumbing and electrical connections for the NOGRAX Salt Chlorinator within a pool system.

POOL SALT CHLORINATOR



Model	Size (mm)	Working Voltage (V)	Working Current (A)	Max Chlorine Output (g/h)	Dia. of Water Inlet and Outlet	Max Pool Volume (m ³)
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HT20	387x122x152	DC 24	4	20	1.5"/50mm	85

Figure 5: The chlorinator unit demonstrating its water level detection capability, which ensures operation only when water is present.

6. OPERATING INSTRUCTIONS

The NOGRAX Salt Chlorinator is designed for user-friendly operation with several intelligent features.

- **Power On/Off:** Use the designated power button on the control panel to turn the unit on or off.
- **Smart Adjustment:** Chlorine output can be adjusted from 20% to 100% by pressing the '+' and '-' buttons on the control panel. This allows you to fine-tune chlorine production based on your pool's needs and usage.
- **Smart Protection:** The unit incorporates multiple protection functions, including water temperature protection (10-40 °C), water cutoff, and water shortage protection. If the water temperature is too high or too low, or if there is insufficient water flow, the chlorinator will automatically stop running to protect the unit and prolong its service life.
- **Automatic Cleaning Function:** The chlorinator features an automatic cleaning function that reverses the polarity of the cell. This process helps prevent calcium buildup on the electrodes, maintaining efficiency and extending the cell's lifespan.
- **Smart Alarm:** In case of a fault, the unit will trigger an automatic alarm and display a fault code. Refer to the troubleshooting section for solutions based on the displayed code.

POOL SALT CHLORINATOR

EC Series



The EC series salt chlorinator applied advanced micro-computer technology and customer oriented design, to provide the most energy saving and environmental friendly method to sanitize small and medium pools. To achieve this simple, smart and safe chlorine production, all the chlorinator requires is only salt.



Smart Adjustment

Chlorine output is adjustable from 20% to 100% by simply pressing two buttons, satisfying different needs for different pools. Smart Protection



Smart Protection

When the water temperature is too high or too low, the chlorinator will automatically stop running in order to protect the unit and prolong the cell's life.



Smart Cleaning

Self-cleaning function by reversing the polarity automatically, prevents calcium from accumulating, prolonging the cell's lifetime.



Smart Alarm

Fault auto alarm with error code, which is easy to find corresponding solutions.

Figure 6: Overview of the intelligent functions of the NOGRAX Salt Chlorinator, designed for optimal performance and user convenience.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your NOGRAX Salt Chlorinator.

- **Automatic Cleaning:** The unit's automatic cleaning function helps prevent scale buildup. However, periodic visual inspection of the cell is recommended.
- **Manual Cell Cleaning:** If significant scale buildup is observed despite the automatic cleaning, the cell may require manual cleaning. Consult a pool professional or refer to advanced maintenance guides for proper procedures, typically involving a mild acid solution.
- **Water Chemistry:** Regularly test your pool water for salt levels, pH, and chlorine. Maintain optimal water chemistry as recommended by pool care guidelines to ensure efficient chlorinator operation and water quality.
- **Winterization:** In colder climates, follow standard pool winterization procedures, which typically include removing the chlorinator cell from the plumbing and storing it in a dry, frost-free location.

8. TROUBLESHOOTING

The NOGRAX Salt Chlorinator is equipped with a Smart Alarm system to indicate operational issues. If a fault occurs, the

unit will display a code.

- **Alarm Activation:** If the Smart Alarm activates, note the displayed fault code.
- **Common Issues:**
 - **No Chlorine Production:** Check salt levels, ensure adequate water flow, and verify power supply.
 - **Unit Not Operating:** Confirm power connection, check for water level detection activation, and ensure water temperature is within the 10-40 °C range.
 - **Error Code Displayed:** Consult the specific fault code in a detailed troubleshooting guide (if available separately) or contact customer support.
- **Power Cycle:** For minor issues, try turning the unit off, waiting a few minutes, and then turning it back on.
- **Professional Assistance:** For persistent problems or complex issues, it is recommended to contact a qualified pool technician or customer support.

9. WARRANTY AND SUPPORT

NOGRAX is committed to providing excellent service to its customers.

- **Customer Support:** For any questions, technical assistance, or support needs, please contact NOGRAX customer service. We aim to reply within 24 hours.
- **Warranty Information:** Specific warranty details are typically provided with your purchase documentation. Please retain your proof of purchase for warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question