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BAYROL AS7 (Model 191700)

BAYROL Technik Automatic Salt AS7 Electrolyzer System User Manual

Model: AS7 (191700)

Introduction

The BAYROL Technik Automatic Salt AS7 is an intelligent salt electrolysis system designed to maintain optimal pool water quality. It automatically analyzes and precisely regulates pH and chlorine levels (redox) by injecting liquid pH correctives and generating free chlorine through salt electrolysis. This system ensures stable water balance and continuous disinfection with optimal chlorine content, even with salt concentrations as low as 1.5 g/L. Equipped with an integrated WiFi module, the Automatic Salt AS7 allows for convenient remote access to pool water quality data via a smartphone or other internet-connected device.



Figure 1: The BAYROL Automatic Salt AS7 main control unit with its display.

Setup and Installation

Careful installation is crucial for the proper functioning of your Automatic Salt AS7 system. Follow these steps for a successful setup:

1. **Unpacking:** Carefully unpack the Automatic Salt AS7 system and all accompanying components. Verify that all parts listed in the packing list are present and undamaged.
2. **System Installation:** Install the main unit and the electrolysis cell according to the provided instructions. The electrolysis cell offers both horizontal and vertical installation options to integrate seamlessly into your existing pool system. Ensure adequate space for maintenance and connections.



Figure 2: Main unit alongside the detachable electrolysis cell.

3. **Connection to Pool Circulation System:** Connect the electrolysis cell and any necessary sensors to your pool's water circulation system. Ensure all connections are secure and watertight to prevent leaks. Refer to the system diagram for correct plumbing.



Figure 3: Schematic diagram illustrating the connection of the Automatic Salt AS7 system to the pool's water circulation.

4. **Salt Filling:** Fill the pool with the appropriate amount of salt to achieve the required concentration for the electrolysis cell (minimum 1.5 g/L). Consult your pool's volume and the system's specifications for precise salt dosage.
5. **Electrical Connections:** Connect the power supply and all sensors (pH, redox, flow) to the main control unit. Ensure connections are correctly color-coded and secured.



Figure 4: Detailed view of the sensor and power cable connections on the main unit.

Operating Instructions

The Automatic Salt AS7 features an intuitive 4.3-inch TFT color touchscreen for easy operation and configuration.

1. **Initial Startup and Configuration:** Power on the system. The integrated software features a first-time commissioning guide that will assist you in setting up essential parameters via the 4.3-inch TFT color touchscreen. Follow the on-screen prompts to configure your desired settings.
2. **Automatic Regulation:** Once configured, the system will automatically monitor and adjust pH and chlorine levels to maintain optimal water quality. It continuously analyzes the water and makes necessary adjustments.
3. **Status Monitoring:** During operation, the system provides useful tips and status messages on the display. Regularly check the screen for any alerts or recommendations.
4. **WiFi Module and Remote Access:** Utilize the built-in WiFi module to connect your Automatic Salt AS7 to your home network. Download the BAYROL app (if available) or access the system via a web interface on your smartphone or other internet-connected device. This allows for remote monitoring and control of your pool's water quality.

Maintenance

Regular maintenance ensures the longevity and efficiency of your Automatic Salt AS7 system.

- **Electrolysis Cell Cleaning:** Periodically inspect the electrolysis cell for scale buildup. Clean the cell as per the manufacturer's guidelines, typically using an acid solution, to ensure efficient chlorine production.



Figure 5: The electrolysis cell, responsible for generating chlorine from salt.

- **Sensor Calibration:** pH and redox sensors require periodic calibration to maintain accuracy. Refer to the system's on-screen menu or the full product manual for calibration procedures and recommended frequency.
- **Salt Level Monitoring:** Regularly check the salt concentration in your pool water. The system will alert you if salt levels are too low, but manual checks can help prevent interruptions in chlorine production.
- **General Inspection:** Routinely inspect all hoses, connections, and the main unit for any signs of wear, damage, or leaks. Address any issues promptly.

Troubleshooting

If you encounter issues with your Automatic Salt AS7 system, consult the following common troubleshooting tips:

- **"No Cell Current" Error:** This error message indicates an issue with the electrolysis cell or its power supply.
  - Check all electrical connections to the cell and main unit.
  - Ensure the cell is clean and free of scale.
  - Verify that the salt level in the pool is within the recommended range.
  - If the issue persists, contact customer support.
- **Incorrect pH/Chlorine Readings:**
  - Calibrate the pH and redox sensors as per the maintenance instructions.
  - Ensure sensors are clean and properly immersed in the water flow.
  - Check for proper water circulation through the sensor housing.
- **System Not Responding:**
  - Verify the power supply to the unit.

- Perform a soft reset by powering off and on the unit.
- Check for any loose cable connections.

- **WiFi Connectivity Issues:**
  - Ensure the unit is within range of your WiFi router.
  - Check your router settings and ensure the network is active.
  - Re-enter WiFi credentials on the unit's touchscreen.

For persistent issues or errors not listed here, please refer to the complete product manual or contact BAYROL customer support.

Specifications

Model Name	Automatic Salt AS7
Model Number	191700
Dimensions (Main Unit)	12 x 21 x 32.5 cm (W x D x H)
Weight	4.3 kg
Minimum Salt Concentration	1.5 g/L
Maximum Pool Volume	Up to 140 m^3
Display	4.3-inch TFT Color Touchscreen
Connectivity	Integrated WiFi Module

Warranty and Support

For warranty information, technical support, or service inquiries, please contact your authorized BAYROL dealer or visit the official BAYROL website. Keep your purchase receipt and model number (AS7, 191700) readily available when contacting support.
Important: Any unauthorized repairs or modifications to the system may void your warranty.

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