

## Summer Waves ESP\_RX600

# Summer Waves RX600-2271 l/h Filter Pump Instruction Manual

Model: ESP\_RX600 | Brand: Summer Waves

## INTRODUCTION

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Thank you for choosing the Summer Waves RX600-2271 l/h Filter Pump. This pump is designed to provide efficient filtration for your above-ground pool, ensuring clean and clear water. It features a flow rate of 2271 liters per hour and is compatible with Type D filter cartridges. This manual provides essential information for the safe installation, operation, and maintenance of your filter pump.

## SAFETY INFORMATION

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

- Always disconnect the pump from the power supply before performing any maintenance or cleaning.
- Do not allow children to operate this pump or play near it.
- Ensure the pump is placed on a stable, level surface.
- Never operate the pump if the power cord or plug is damaged.
- Do not swim while the pump is operating.
- Refer to the full instruction manual for detailed safety guidelines.



**Image:** Safety warning symbols indicating to read the manual, keep children away, do not swim, and wear a life vest.

## PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

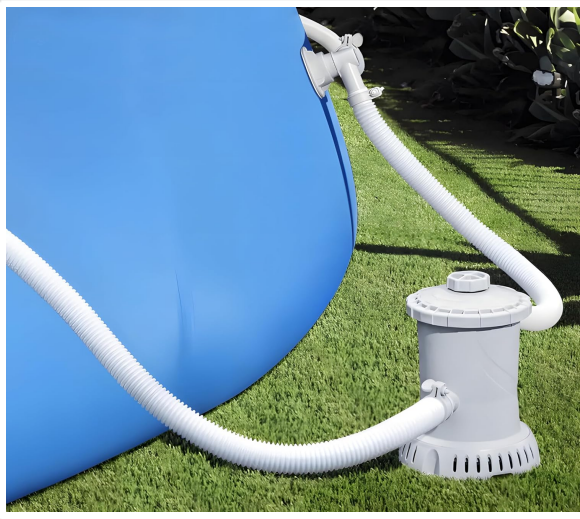
- Summer Waves RX600-2271 l/h Filter Pump unit
- Filter cartridge (Type D)
- Hoses for connection
- Hose clamps
- Transformer (230V/65W to 12V)
- Instruction Manual

## SETUP INSTRUCTIONS

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Follow these steps to properly set up your filter pump:

- 1. Positioning the Pump:** Place the filter pump on a firm, level surface near your pool. Ensure it is at least 2 meters (6.5 feet) away from the pool edge and protected from direct sunlight and rain.
- 2. Connecting Hoses:**
  - Connect one end of a hose to the pump's inlet port (marked "IN" or with an arrow pointing towards the pump).
  - Connect the other end of this hose to the pool's lower water outlet (suction) fitting.
  - Connect the second hose to the pump's outlet port (marked "OUT" or with an arrow pointing away from the pump).
  - Connect the other end of this hose to the pool's upper water inlet (return) fitting.
  - Secure all hose connections with the provided clamps, ensuring they are tight to prevent leaks. The connections are designed for a diameter of approximately 42 mm.
- 3. Installing the Filter Cartridge:**
  - Unscrew the top cover of the filter pump.
  - Insert the Type D filter cartridge into the pump housing.
  - Replace the top cover and tighten it securely.
- 4. Priming the Pump:**
  - Ensure the pool is filled with water to the appropriate level.
  - Open any air release valves on the pump or hoses to allow air to escape as water fills the system.
  - Once water flows steadily from the air release valve, close it.
- 5. Power Connection:** Connect the transformer to the pump and then plug the transformer into a grounded electrical outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI).



**Image:** The filter pump connected to an above-ground pool, illustrating the hose connections for water circulation.



**Image:** A detailed view of the filter pump unit, showing its design and ports.



**Image:** The filter pump positioned beside a blue above-ground pool, ready for operation.



**Image:** A different angle showing the filter pump's connection to the pool, highlighting the hose routing.



**Image:** A close-up of the pump's top section, including the lid and one of the hose connections.

## OPERATING INSTRUCTIONS

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Once the pump is properly set up and primed:

1. **Starting the Pump:** Plug the transformer into the GFCI-protected electrical outlet. The pump will begin to circulate water.
2. **Run Time:** Operate the pump for a sufficient duration each day to ensure all pool water is filtered. The recommended run time varies based on pool size and usage, typically 8-12 hours per day.
3. **Stopping the Pump:** To turn off the pump, simply unplug the transformer from the electrical outlet.

## MAINTENANCE

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Regular maintenance is crucial for the longevity and efficiency of your filter pump.

1. **Cleaning the Filter Cartridge:**
  - Disconnect the pump from the power supply.
  - Close the pool's inlet and outlet valves (if applicable) to prevent water flow.
  - Unscrew the top cover of the filter pump.
  - Remove the Type D filter cartridge.
  - Rinse the cartridge thoroughly with a garden hose to remove debris. Do not use a high-pressure washer

as it can damage the filter material.

- If the cartridge remains dirty or damaged after rinsing, replace it with a new Type D filter cartridge.
- Reinsert the clean or new cartridge, replace the top cover, and tighten securely.
- Open pool valves and reconnect power.

2. **Frequency:** Clean the filter cartridge every few days, or more frequently depending on pool usage and water conditions. Replace the cartridge every 2-4 weeks, or when it becomes visibly worn or clogged.
3. **Winterization:** Before winter, disconnect the pump, drain all water from it, and store it in a dry, frost-free location.

## TROUBLESHOOTING

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If you encounter issues with your filter pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump not running	No power; GFCI tripped; Motor malfunction	Check power connection; Reset GFCI; Contact customer support if motor is faulty.
Low water flow	Clogged filter cartridge; Air in system; Blocked hoses	Clean or replace filter cartridge; Re-prime the pump to remove air; Check hoses for obstructions.
Water leaking from pump	Loose connections; Damaged O-rings/seals	Tighten hose clamps and connections; Inspect and replace damaged O-rings or seals.
Unusual noise from pump	Air in system; Debris in impeller; Motor issue	Re-prime the pump; Disconnect power and check for debris in the impeller area; Contact customer support.

## SPECIFICATIONS

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Feature	Detail
Model Number	ESP_RX600 (P53FR0351W05VK)
Brand	Summer Waves
Pump Flow Rate	2271 liters per hour (l/h)
Filter Type Compatibility	Type D Cartridge
Power Source	Corded Electric
Voltage	12 Volts (DC)
Transformer Input	230V / 65W
Hose Connection Diameter	Approx. 42 mm
Material	Cartridge (filter material)
Color	White
Suitable Pool Types	Fast Set pools (e.g., 366 x 91 cm, 305 x 76 cm)

# WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the documentation included with your purchase or contact Summer Waves customer service. Keep your proof of purchase for warranty claims.