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## VEVOR JDP-6000

# VEVOR Aquarium 24V DC Water Pump User Manual

Model: JDP-6000 | Brand: VEVOR

## 1. INTRODUCTION

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Thank you for choosing the VEVOR Aquarium 24V DC Water Pump. This versatile device is engineered to provide optimal water circulation and wave-making capabilities for your aquatic environment. It combines the functions of a wave maker, circulation pump, and water pump, offering flexible installation options for both internal and external use. With its intelligent controller, you can easily adjust water flow, wave frequency, and utilize a convenient feeding mode to maintain a healthy and dynamic habitat for your aquatic life.



Image: The VEVOR Aquarium 24V DC Water Pump, showcasing the pump unit and its intelligent controller.

## 2. SAFETY INSTRUCTIONS

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Please read all safety instructions carefully before operating the pump. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect the power supply before performing any maintenance or cleaning.
- This pump is designed for use with water only. Do not use with flammable or corrosive liquids.
- Ensure the power cord and plug are not damaged. Do not operate the pump with a damaged cord or plug.
- Do not immerse the controller in water. It is not waterproof.
- Ensure the pump is securely placed or mounted to prevent accidental movement.
- Keep out of reach of children.

- If the pump shows any signs of malfunction, immediately disconnect it from the power supply.

### 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- 1 x Aquarium Water Pump Wave Maker
- 1 x Adapter
- 1 x Controller
- 1 x User Manual
- 1 x 1-inch Connector
- 1 x 1-1/4-inch Connector
- 1 x 1-inch & 3/4-inch Connector
- 2 x O-Rings
- 4 x Rubber Pads

### 4. SETUP AND INSTALLATION

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The VEVOR water pump offers flexible installation options for various aquatic setups.

#### 4.1 Placement Options

The pump can be installed either internally within your aquarium or externally for sump systems. The included rubber suction cups ensure secure fixation.

- **Internal Placement:** Submerge the pump completely in the aquarium water. Use the suction cups to secure it to the bottom or side glass.
- **External Placement:** Connect appropriate tubing to the inlet and outlet. Ensure the pump is placed on a stable, level surface. The rubber foot pads help reduce vibration and noise.

# One Pump, Endless Possibilities

60W | 1750GPH | 16FT

External Pumping

Internal Circulation  
Wave Making

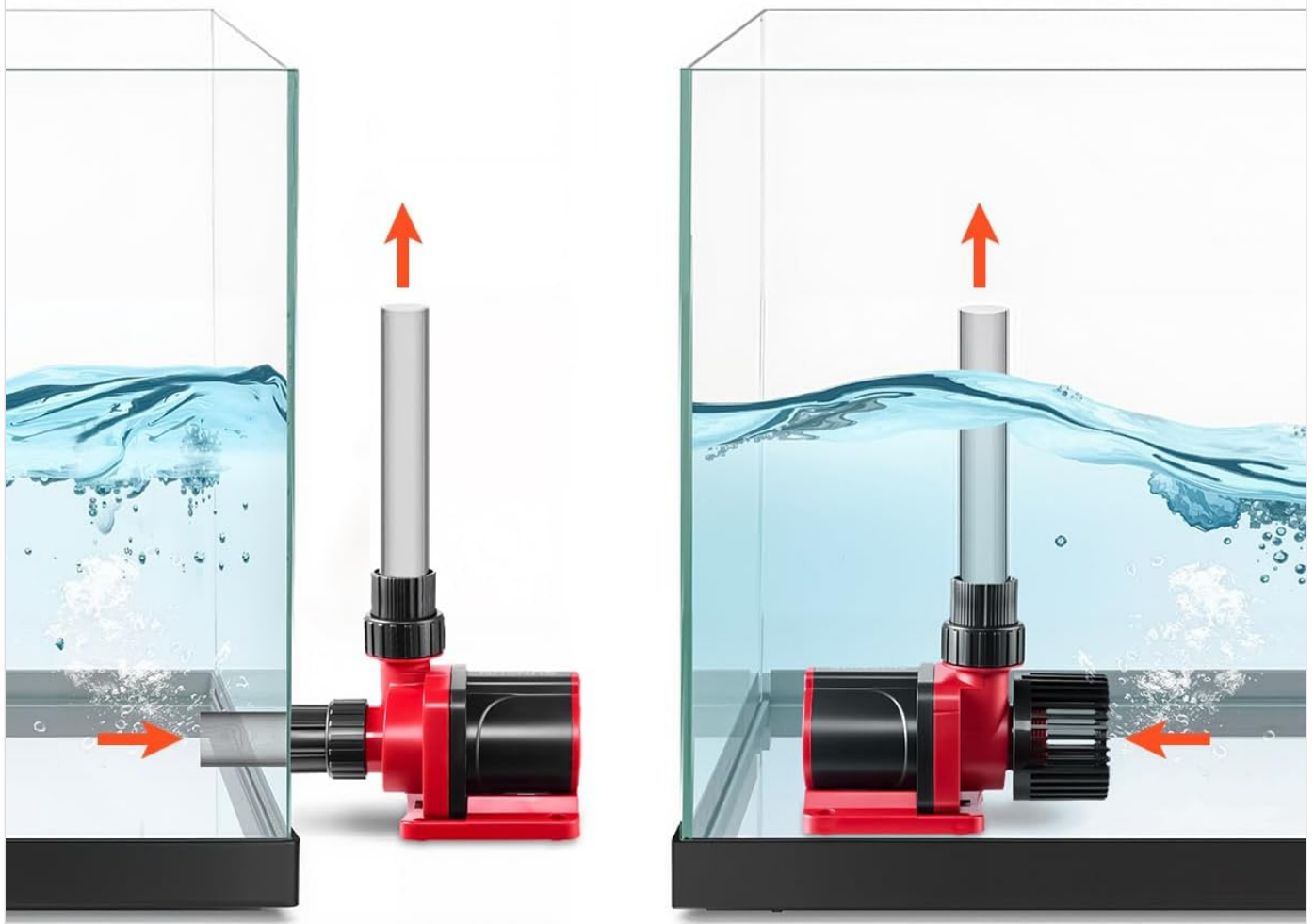


Image: Illustration demonstrating the pump's capability for both external pumping and internal circulation/wave making within an aquarium setup.

## 4.2 Connecting Nozzles

Select the appropriate connector (3/4 inch, 1 inch, or 1-1/4 inch) based on your tubing requirements. The threaded fittings ensure a stable and reliable connection.

# Versatile Water Flow Options

Easily switch adapters to meet your needs, whether for home, garden, or other versatile environments



Image: The pump with various nozzle sizes (3/4 inch, 1 inch, 1 1/4 inch) for adaptable water flow options.

## 4.3 Power Connection

Connect the pump to the provided DC 24V adapter, then plug the adapter into a standard electrical outlet. Ensure all connections are secure before powering on.

## 5. OPERATING INSTRUCTIONS

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The intelligent controller allows for precise control over the pump's functions.

# Adjustable Wave Frequency & Flow Rate



Feeding Mode



One-Button Switch

Five-Level Flow Rate Indicators

Multi-Level Adjustment

Use the "+" and "-" buttons to adjust the pump performance to meet different water flow requirements.

Image: Close-up of the VEVOR intelligent controller, highlighting the one-button switch, five-level flow rate indicators, and multi-level adjustment buttons.

## 5.1 Controller Functions

- **Power Button (DC-24V):** Press to turn the pump on or off.
- **Flow Rate Adjustment (+/-):** Use the '+' and '-' buttons to adjust the water flow rate. There are 5 levels of flow rate

indicated by the LEDs.

- **Wave Mode Selection:** The controller supports multiple wave modes. Refer to the full user manual (PDF) for detailed instructions on cycling through and setting specific wave patterns.

## 5.2 Feeding Mode

The built-in feeding mode temporarily pauses the pump's operation to allow for feeding without food being immediately drawn into the filtration system.



Image: Visual guide to the feeding function: single click for 15-minute mode, double click for 60-minute mode, triple click to turn off.

- **Single Click:** Activates the 15-minute feeding mode. The pump will pause for 15 minutes and then resume normal operation.
- **Double Click:** Activates the 60-minute feeding mode. The pump will pause for 60 minutes and then resume normal operation.
- **Triple Click:** Deactivates the feeding mode and resumes normal pump operation immediately.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your pump.

### 6.1 Cleaning the Pump

The pump is designed for easy disassembly and cleaning.



Image: Instructions for easy disassembly and cleaning, showing the detachable front panel and impeller.

1. Disconnect the pump from the power supply.
2. Carefully detach the front panel and impeller cover.
3. Remove the impeller.
4. Clean all components, including the impeller, impeller housing, and intake screen, using a small brush and clean water. Remove any debris, algae, or mineral buildup.
5. Rinse thoroughly and reassemble all parts securely.

*Recommendation:* Perform cleaning every 2-4 weeks, or more frequently depending on water conditions and debris accumulation.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Pump not turning on	No power supply; Damaged power cord/adapter; Controller malfunction	Check power outlet; Inspect cord/adapter for damage; Ensure controller is properly connected and powered.
Reduced flow rate	Clogged intake/impeller; Kinked tubing; Incorrect flow setting	Clean pump and impeller; Straighten tubing; Adjust flow rate on controller.

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
Excessive noise/vibration	Debris in impeller; Improper placement; Worn impeller	Clean impeller; Ensure pump is securely placed on rubber pads; Replace impeller if worn.
Pump stops intermittently	Overheating; Power fluctuations; Feeding mode activated	Check for blockages; Ensure proper ventilation (if external); Verify stable power; Check feeding mode status.

If the problem persists after attempting these solutions, please contact VEVOR customer support.

## 8. SPECIFICATIONS

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Technical details for the VEVOR Aquarium 24V DC Water Pump (Model: JDP-6000):

# Specifications



Item Model Number: **JDP-6000**

Input: **AC100-240V 50/60Hz 2.5A**

Output: **DC24V 4.0A**

Maximum Power: **60W**

Maximum Flow Rate: **1750GPH**

Modes: **5 Wave Modes+Feeding Mode**

Product Dimensions: **11.81 × 9.45 × 3.54 in / 300 × 240 × 90 mm**

Accessories: 1 x Adapter , 1 x Controller , 1 x User Manual , 1 × 1-inch Connector

1 × 1-1/4-inch Connector , 1 × 1-inch & x 3/4-inch Connector , 2 x O-Rings, 4 x Rubber Pads

Wave Frequency: **Adjustable**

Wave Wate Flow: **Adjustable**

Max Lift: **16 ft / 4.88m**

Noise Range: **≤ 60dB**

Main Material: **ABS**

Product Weight: **3.66 lbs / 1.66 kg**

Image: Detailed diagram of the pump with key dimensions and a summary of its technical specifications.

- **Item Model Number:** JDP-6000
- **Input:** AC100-240V 50/60Hz 2.5A
- **Output:** DC24V 4.0A
- **Maximum Power:** 60W
- **Maximum Flow Rate:** 1750 GPH (6624 L/H)
- **Max Lift:** 16 ft / 4.88 m

- **Modes:** 5 Wave Modes + Feeding Mode
- **Wave Frequency:** Adjustable
- **Wave Water Flow:** Adjustable
- **Noise Range:** ≤ 60dB
- **Main Material:** ABS
- **Product Weight:** 3.66 lbs / 1.66 kg
- **Product Dimensions:** 11.81 x 9.45 x 3.54 inches / 300 x 240 x 90 mm

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or any inquiries regarding your VEVOR Aquarium Water Pump, please refer to the official VEVOR website or contact their customer service directly. Keep your purchase receipt for warranty claims.

An electronic version of this user manual is available for download:[User Manual \(PDF\)](#)