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> [Jebao CWP-3000 Circulation Wave Pump User Manual](#)

## Jebao CWP-3000

# Jebao CWP-3000 Circulation Wave Pump User Manual

Model: CWP-3000

## INTRODUCTION

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This manual provides detailed instructions for the safe and efficient operation of your Jebao CWP-3000 Circulation Wave Pump. This pump is specifically designed to simulate natural river and reef currents within aquariums, promoting a healthy and dynamic aquatic environment for your fish and corals.

### Key Features:

- **120° Adjustable Rotation:** Allows for precise control over wave direction and water flow patterns.
- **Magnetic Mounting System:** Facilitates easy and secure installation on aquarium glass up to 1 inch thick, offering flexible positioning.
- **Efficient Performance:** Delivers high flow rates of up to 793 GPH (3000 L/H) with low power consumption (4 Watts).
- **Quiet Operation:** Engineered for minimal noise during continuous use.
- **Compact Design:** Measures approximately 4 inches x 2 inches (with magnetic base), suitable for various aquarium sizes.
- **Recommended Aquarium Size:** Ideal for aquariums ranging from 20 to 50 gallons.

## SAFETY INSTRUCTIONS

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

- Always disconnect the power supply to the pump before performing any maintenance, cleaning, or installation procedures.
- Do not operate the pump if the power cord, plug, or any part of the unit is damaged.
- Ensure the pump is fully submerged in water during operation. Running the pump dry will cause damage and void the warranty.
- This pump is designed exclusively for indoor aquarium use. Do not use it for any other purpose.
- Keep the pump and its power cord out of reach of children and pets.
- Do not attempt to modify, disassemble, or repair the pump yourself. Contact qualified service personnel for assistance.
- Ensure the magnetic base is securely attached to the aquarium glass to prevent the pump from falling.

- Always create a 'drip loop' with the power cord to prevent water from traveling along the cord to the electrical outlet.

## PACKAGE CONTENTS

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Please verify that all the following items are included in your product package:

- Jebao CWP-3000 Circulation Wave Pump Unit
- Magnetic Mounting Base
- User Manual (this document)



*Image: The Jebao CWP-3000 pump, its magnetic base, and the user manual as typically found in the product packaging.*

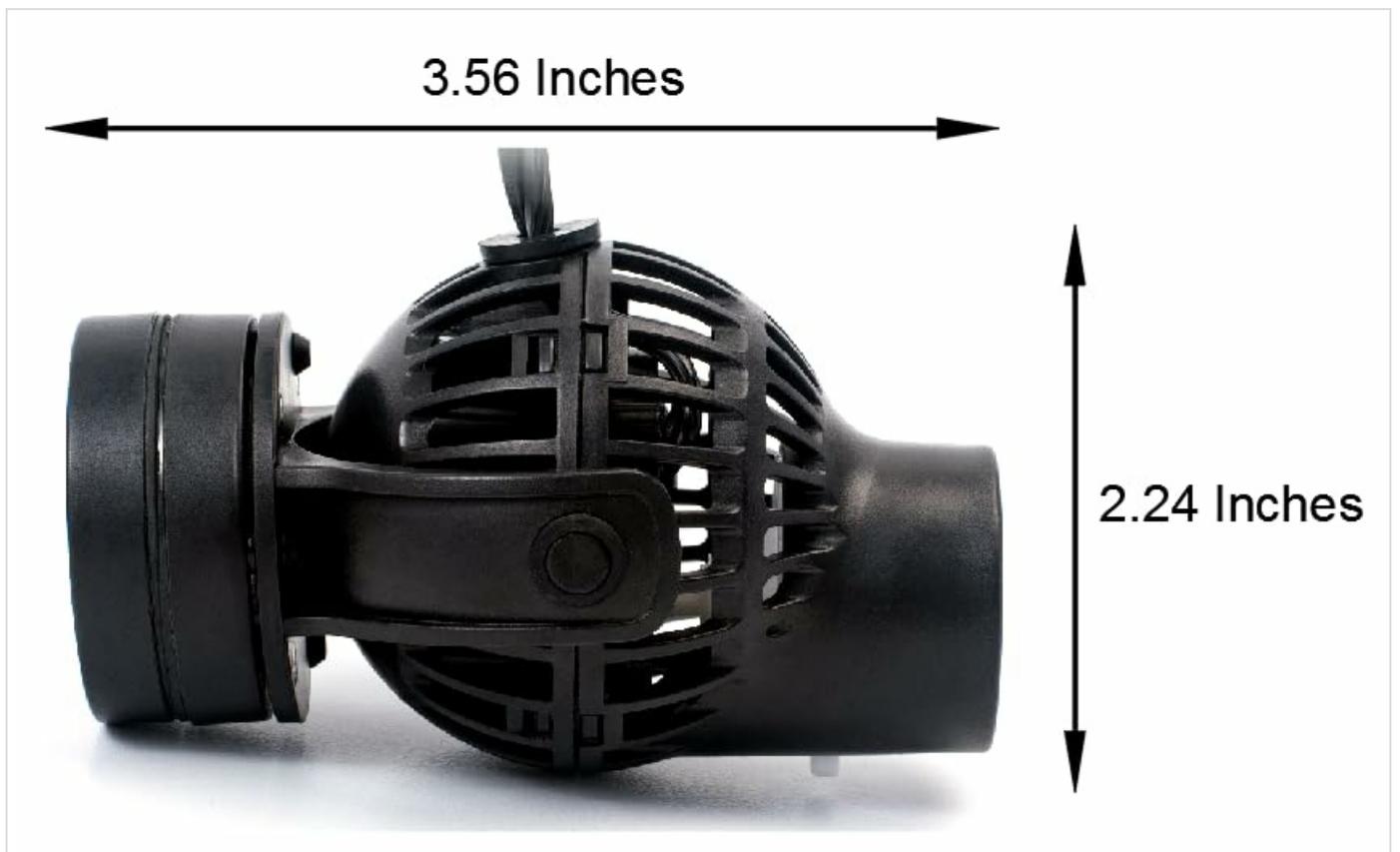
## PRODUCT OVERVIEW

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The Jebao CWP-3000 is a robust and compact circulation pump designed for optimal water movement in aquariums. It consists of a main pump body with an impeller, a protective cage, and a magnetic mounting system for secure placement.



*Image: Side view of the Jebao CWP-3000 Circulation Wave Pump, showcasing its compact design and integrated power cord.*



*Image: Diagram illustrating the approximate dimensions of the Jebao CWP-3000 pump, measuring 3.56 inches in length and 2.24 inches in height.*

## SETUP AND INSTALLATION

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Follow these steps to properly install your Jebao CWP-3000 Circulation Wave Pump:

1. **Prepare the Aquarium:** Ensure the area of your aquarium glass where you plan to install the pump is clean and free of algae or any obstructions.
2. **Attach the Magnetic Base:** Place the pump unit inside the aquarium at your desired location. The internal magnetic base will adhere to the glass.
3. **Secure the External Magnet:** Position the external magnet on the outside of the aquarium glass, directly opposite the internal magnetic base. The strong magnetic force will securely hold the pump in place. This system is compatible with aquarium glass up to 1 inch (2.5 cm) thick.
4. **Adjust Pump Direction:** The pump head offers 120° rotation. Gently pivot the pump head to direct the water flow to create the desired current patterns within your aquarium.
5. **Route the Power Cord:** Carefully route the power cord, ensuring it forms a 'drip loop' below the electrical outlet. This prevents water from potentially reaching the outlet.
6. **Connect to Power:** Once the pump is securely installed and positioned, plug the power cord into a suitable AC 120V, 60Hz electrical outlet.



*Image: The Jebao CWP-3000 pump adjusted to an upward angle, illustrating its directional flexibility for water flow customization.*

## OPERATING INSTRUCTIONS

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The Jebao CWP-3000 Circulation Wave Pump is designed for continuous operation once connected to a power source.

- **Power On:** After installation, plug the pump into a standard AC 120V, 60Hz electrical outlet. The pump will immediately begin circulating water.
- **Power Off:** To stop the pump, simply unplug it from the electrical outlet.
- **Flow Direction:** The pump provides a consistent flow rate of up to 793 GPH. The direction of this flow can be manually adjusted by rotating the pump head up to 120 degrees to suit your aquarium's specific needs.

- **Continuous Use:** This pump is built for continuous operation to maintain stable water movement and oxygenation in your aquarium.

## MAINTENANCE

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Regular maintenance is crucial for ensuring the optimal performance and extending the lifespan of your Jebao CWP-3000 pump.

1. **Disconnect Power:** Always unplug the pump from the power source before attempting any cleaning or maintenance.
2. **Remove from Aquarium:** Carefully detach the pump from its magnetic base and remove it from the aquarium water.
3. **Disassemble for Cleaning:** Gently twist or pull apart the pump housing to access the impeller chamber. Refer to the product diagram for specific disassembly instructions if needed.
4. **Clean Impeller and Housing:** Use a soft brush (like a toothbrush) and clean water to remove any accumulated algae, debris, or mineral deposits from the impeller, impeller shaft, and the pump's internal housing. For stubborn calcium buildup, a diluted vinegar solution can be used, followed by thorough rinsing.
5. **Rinse Thoroughly:** Rinse all cleaned components thoroughly with clean, fresh water to ensure no cleaning solution residue remains.
6. **Reassemble:** Carefully reassemble the pump, ensuring all parts are correctly aligned and securely seated.
7. **Reinstall:** Place the pump back into your aquarium, following the steps outlined in the "Setup and Installation" section.
8. **Maintenance Frequency:** It is recommended to perform this cleaning procedure every 2 to 4 weeks, or more frequently if you observe a decrease in water flow or an increase in operational noise.

## TROUBLESHOOTING

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If you encounter issues with your Jebao CWP-3000 pump, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
Pump does not start	No power supply; Impeller jammed by debris; Motor damage.	Check power connection and outlet. Disconnect power, remove pump, and clean the impeller. If the issue persists, contact customer support.
Reduced water flow	Impeller or intake clogged with algae/debris; Mineral buildup.	Disconnect power, remove pump, and thoroughly clean the impeller and pump housing as per maintenance instructions.
Excessive noise or vibration	Impeller obstructed or damaged; Pump not securely mounted; Air trapped inside the pump.	Clean the impeller and check for damage. Ensure the pump is securely attached to the aquarium glass. Gently shake the pump underwater to release any trapped air.
Pump runs dry	Aquarium water level is too low.	Immediately unplug the pump. Ensure the pump is fully submerged in water before restarting. Running dry will cause permanent damage.
Pump spins in reverse or intermittently	Motor starting anomaly or electrical inconsistency.	Unplug the pump, wait for 5-10 seconds, and plug it back in. Repeat this process a few times if necessary. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Pump stops after a short period	Overheating due to blockage or running dry; Electrical fault.	Check for any blockages and ensure the pump is fully submerged. Allow the pump to cool down. Verify the power supply is stable.

## SPECIFICATIONS

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Detailed technical specifications for the Jebao CWP-3000 Circulation Wave Pump:

Feature	Detail
Brand	Jebao
Model Number	CWP-3000
Max Flow Rate	793 GPH (3000 L/H)
Power Consumption	4 Watts
Input Voltage	AC 120V, 60Hz
Current	0.07A
Recommended Aquarium Size	20-50 Gallons
Mounting Method	Magnetic Base (for glass up to 1-inch thick)
Rotation Angle	120° Adjustable
Material	Durable Plastic (pump body)
Color	Black
Pump Dimensions (with magnetic base)	Approx. 4" L x 2" H (10.16 cm L x 5.08 cm H)
Item Weight	281 g
Country of Origin	USA (as per manufacturer data)

## WARRANTY AND SUPPORT

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For detailed warranty information, product registration, or technical support, please visit the official Jebao website or contact your authorized retailer. It is recommended to retain your purchase receipt as proof of purchase for any warranty claims.