

FREESEA Aquarium Wave Maker and Submersible Water Pump (Models: 1600GPH Wave Maker, 660GPH Submersible Pump)

FREESEA Aquarium Wave Maker and Submersible Water Pump Instruction Manual

IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before installing and operating this product. Failure to follow these instructions may result in product damage, injury, or electric shock. Keep this manual for future reference.

- Always disconnect power before performing any maintenance or installation.
- This product is designed for indoor aquarium use only. Do not use it for purposes other than its intended use.
- Ensure the power cord and plug are not damaged. Do not operate if any part is damaged.
- Do not operate the pump or wave maker dry. Ensure they are fully submerged in water during operation.
- Keep children and pets away from the product during operation.
- Ensure the voltage and frequency of your power supply match the specifications of the product.
- Never pull the product by its power cord.
- If the product falls into water, do not reach for it. Disconnect power immediately before retrieving.

PRODUCT OVERVIEW

The FREESEA Aquarium Wave Maker and Submersible Water Pump system is designed to enhance water circulation and oxygenation in your aquarium. This package includes two distinct components: an Aquarium Wave Maker for creating natural water flow and a Submersible Water Pump for general water circulation, filtration, and fountain applications.

Key Features

- **Aquarium Wave Maker:** Simulates natural ocean currents, stirs debris, and aids in oxygenation. Features 360° rotation and adjustable water flow.
- **Submersible Water Pump:** Provides powerful suction, capable of pumping water as shallow as 5 mm.

Features a 360° omnidirectional filter and intelligent dry run prevention.

- Versatile for various applications including fish tanks, ponds, aquariums, and hydroponic systems.

Package Contents

- 1 x FREESEA Aquarium Wave Maker
- 1 x FREESEA Submersible Water Pump
- Assorted Nozzles (for Submersible Pump)
- Instruction Manual

PRODUCT COMPONENTS AND DIMENSIONS

FREESEA Aquarium Wave Maker

This section details the physical characteristics and dimensions of the Aquarium Wave Maker.

COMPACT SIZE



MAX FLOW RATE	WATTAGE	VOLTAGE	POWER CORD
1600GPH	8W	110V-120V/60HZ	4.9FT(1.5M)

Figure 1: Aquarium Wave Maker Dimensions. The wave maker measures approximately 122mm in length, with individual pump heads being 61mm wide and 69mm high.

DENSE FILTER COVER

UNIQUE WATER INLET COVER DESIGN EFFECTIVELY PREVENTS FISH FROM BEING INHALED, MAKING IT SAFER TO USE.



Figure 2: Dense Filter Cover. The wave maker features a unique water inlet cover design to prevent fish from being inhaled, ensuring safer operation.

FREESEA Submersible Water Pump

This section details the physical characteristics and dimensions of the Submersible Water Pump.

COMPACT SIZE

660GPH:4 Nozzles for your Option



Figure 3: Submersible Water Pump Dimensions and Nozzles. The pump comes with four nozzle options (1/2", 2/3", 4/5", 1") and has a maximum pumping height of 8.2 feet.

360° WATER ABSORPTION



Low noise



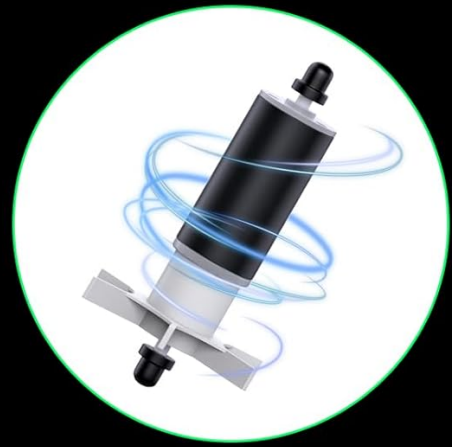
Powerful



Filters Out Fish Poop



Energy taving



High Quality Motor



Low Water Level

Water level height as low as 5mm
for pumping water effectively.

Figure 4: Submersible Water Pump Features. The pump is designed for 360° water absorption, operates with low noise, features a high-quality motor, and can pump water effectively even at levels as low as 5mm.

INSTALLATION

Installing the Aquarium Wave Maker

The wave maker is designed for easy installation using its strong magnetic base.

1. Ensure the aquarium glass is clean and free of algae or debris where the wave maker will be placed.
2. Attach the wave maker to the inside of the aquarium glass. Position the external magnet on the outside of the glass, aligning it with the internal magnet of the wave maker. The strong magnetic force will secure the unit.

STRONG MAGNETIC BASE



PLEASE MIND YOUR HANDS!

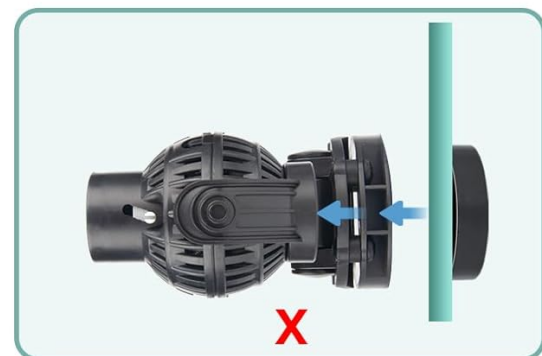


Figure 5: Strong Magnetic Base Installation. Ensure proper alignment of the internal and external magnets for secure attachment. Exercise caution to avoid pinching fingers.

3. Adjust the direction of water flow. The wave maker features 360-degree rotation, allowing you to direct the flow as needed to eliminate dead spots in the aquarium.

360 DEGREE ROTATION

EASY TO ADJUST THE DIRECTION, NO DEAD ANGLE IN THE CYLINDER



Figure 6: 360-Degree Rotation. The wave maker heads can be rotated to direct water flow in any desired direction.

Installing the Submersible Water Pump

The submersible pump is designed for placement at the bottom of your aquarium or water feature.

1. Select an appropriate nozzle size from the provided options (1/2", 2/3", 4/5", 1") based on your desired water pipe diameter and flow requirements.
2. Attach the chosen nozzle to the water outlet of the pump.
3. Place the pump at the desired location at the bottom of your aquarium or water feature. Ensure it is fully submerged before connecting to power.

Aquarium pump

The submersible water pump can quick water change in a short time.

Keep the Fish Tank **Clean**



Figure 7: Submersible Pump Placement. The pump should be placed fully submerged at the bottom of the tank for optimal operation.

OPERATION

Operating the Aquarium Wave Maker

1. After installation and ensuring the wave maker is fully submerged, plug the power cord into a suitable electrical outlet.
2. The wave maker will begin operating, creating water flow.
3. To adjust the intensity of the water flow, use the water flow switch located on the unit. Slide the switch to increase or decrease the flow as desired.

360 DEGREE ROTATION

EASY TO ADJUST THE DIRECTION, NO DEAD ANGLE IN THE CYLINDER



Figure 8: Water Flow Switch. Adjust the switch to control the water output from large to small.

Operating the Submersible Water Pump

1. Ensure the pump is fully submerged in water and the desired nozzle is attached.
2. Plug the power cord into a suitable electrical outlet. The pump will begin to circulate water.
3. The pump is designed to operate effectively even at low water levels, down to 5mm, thanks to its 360° water absorption design.

360° WATER ABSORPTION



Low noise



Powerful



Filters Out Fish Poop



Energy taving



High Quality Motor



Low Water Level

Water level height as low as 5mm
for pumping water effectively.

Figure 9: Low Water Level Pumping. The pump can effectively move water even when the water level is very low.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your FREESEA products. Always disconnect power before cleaning.

Cleaning the Aquarium Wave Maker

1. Disconnect the wave maker from power and remove it from the aquarium.
2. Carefully detach the dense filter cover (refer to Figure 2).
3. Clean any accumulated algae or debris from the impeller and the filter cover using a soft brush and clean water. Do not use soap or detergents.
4. Rinse all components thoroughly and reassemble.

Cleaning the Submersible Water Pump

1. Disconnect the pump from power and remove it from the water.

2. Disassemble the pump casing and remove the impeller.
3. Clean any debris, slime, or mineral deposits from the impeller, impeller housing, and filter intake using a soft brush and clean water.
4. Rinse all components thoroughly and reassemble.

TROUBLESHOOTING

If you encounter issues with your FREESEA product, refer to the following common problems and solutions.

- **Pump/Wave Maker Not Starting:**

- Check if the power cord is securely plugged into a working outlet.
- Ensure there is power to the outlet.
- Inspect the impeller for any obstructions or damage. Clean if necessary.

- **Low Water Flow/Weak Current:**

- For the wave maker, check the water flow switch setting (refer to Figure 8).
- Clean the impeller and filter covers of both units to remove any debris or algae buildup.
- Ensure the pump/wave maker is fully submerged and the water level is adequate.

- **Unusual Noise:**

- Disconnect power and check for any foreign objects lodged in the impeller.
- Ensure the unit is securely mounted and not vibrating against the aquarium glass.

- **Submersible Pump Stops Operating (Dry Run Prevention):**

- The submersible pump features intelligent dry run prevention. If the water temperature reaches 80°C due to low water levels or dry operation, the pump will stop.
- If the temperature drops to 60°C, the pump will resume operation.
- Ensure adequate water levels to prevent dry running and overheating.



Figure 10: Intelligent Dry Run Prevention. This feature protects the submersible pump from damage due to insufficient water.

SPECIFICATIONS

FREESEA Aquarium Wave Maker Specifications

Feature	Specification
Max Flow Rate	1600 GPH
Wattage	8 W
Voltage	110V-120V / 60Hz
Power Cord Length	4.9 FT (1.5 M)
Rotation	360 Degree Adjustable
Mounting	Strong Magnetic Base

FREESEA Submersible Water Pump Specifications

Feature	Specification
Max Flow Rate	660 GPH
Wattage	40 W
Nozzle Options	1/2", 2/3", 4/5", 1"
Minimum Water Level	5 mm
Filter	360° Omnidirectional Filter
Protection	Intelligent Dry Run Prevention

General Product Information

Feature	Specification
ASIN	B0DQ87TZP6
Date First Available	December 12, 2024