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- › [AquaMiracle](#) /
- › [AquaMiracle WD800 Aquarium Powerhead Pump Instruction Manual](#)

AquaMiracle WD800

AquaMiracle WD800 Aquarium Powerhead Pump Instruction Manual

Model: WD800

INTRODUCTION

The AquaMiracle WD800 Aquarium Powerhead Pump is designed to provide essential water circulation and aeration for aquariums ranging from 40 to 60 gallons. This pump features a fully epoxy-sealed motor for safe submersible use, ensuring no electricity leakage. Its energy-efficient design, utilizing a permanent magnet rotor and a specially engineered impeller, delivers high performance with low noise levels. The powerhead also assists in maintaining consistent water temperature by circulating water throughout the tank, preventing 'cold spots' and ensuring efficient heater operation. It is suitable for both fresh and marine water environments.

Circulating · Aerating · Help Heating



Image: AquaMiracle powerhead pump operating in an aquarium, demonstrating water circulation and aeration.

PRODUCT FEATURES

- **Safety:** Fully submersible with an epoxy-sealed motor, tested for high voltage to prevent electricity leakage.
- **Performance:** Energy-efficient design with a permanent magnet rotor and specially designed impeller. Max. Flow 210 GPH (800 L/H), Max lift 4.2 ft (1.27 m), and 10.5 W power. Ideal for 40-60 gallon tanks.
- **Aeration:** Includes air tubing and an air venturi to supplement oxygen supply in the aquarium, eliminating the need for an extra air pump and air stone.
- **Water Movement:** Creates a beneficial underwater current, providing exercise for active fish and helping to transport fish waste to the filter for a healthier environment.
- **Heating Assistance:** Improves water circulation to ensure uniform temperature distribution throughout the tank, optimizing heater performance and preventing cold spots.

PACKAGE CONTENTS

Please ensure all components are present before proceeding with installation:

- AquaMiracle Powerhead Pump (Model WD800)
- Inlet Strainer

- Adjustable Air Regulator
- Air Tubing
- Pump Locator with Suction Cups (4 pcs)



Image: Exploded view of the AquaMiracle powerhead pump components.

SETUP INSTRUCTIONS

Follow these steps to properly set up your AquaMiracle powerhead pump:

1. **Attach Inlet Strainer:** Securely attach the inlet strainer to the bottom of the pump body.
2. **Assemble Pump Locator:** Insert the four suction cups into the designated holes on the pump locator. Then, slide the pump locator onto the side of the pump body until it clicks into place.
3. **Connect Air Tubing:** Connect one end of the air tubing to the adjustable air regulator. Connect the other end of the air tubing to the air intake nozzle on the pump body.
4. **Position in Aquarium:** Submerge the pump completely in your aquarium water. Use the suction cups to firmly attach the pump to the inside wall of the aquarium. Ensure the pump is positioned to create optimal water flow and aeration.
5. **Power Connection:** Once the pump is securely placed and fully submerged, plug the power cord into a suitable electrical outlet.

Your browser does not support the video tag.

Video: Detailed guide on assembling and installing the AquaMiracle Aquarium Powerhead Pump.

OPERATING INSTRUCTIONS

The AquaMiracle powerhead pump is designed for continuous operation. Once plugged in, it will immediately begin circulating water and providing aeration.

- **Adjusting Aeration:** The adjustable air regulator allows you to control the amount of air introduced into the aquarium. Rotate the small knob on the air regulator to increase or decrease the airflow, thereby adjusting the bubble intensity.
- **Water Flow:** The pump provides a consistent water flow rate of 210 GPH. Ensure the pump outlet is not obstructed to maintain optimal performance.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your powerhead pump:

- **Cleaning the Impeller:** Periodically unplug the pump and remove the impeller cover. Carefully remove the impeller and clean it, as well as the impeller well, of any debris or mineral buildup. This helps maintain optimal flow.
- **Cleaning the Inlet Strainer:** Rinse the inlet strainer regularly to remove any trapped debris, which can restrict water intake.
- **Checking Air Tubing:** Ensure the air tubing and air regulator are free from blockages to maintain proper aeration.
- **General Cleaning:** Wipe down the exterior of the pump and suction cups as needed to prevent algae buildup.

TROUBLESHOOTING

If you encounter issues with your AquaMiracle powerhead pump, consider the following:

- **Pump Not Running:** Ensure the power cord is securely plugged into a working outlet. Check for any power outages or tripped circuit breakers.
- **Low Flow/No Flow:** Unplug the pump and inspect the impeller for obstructions (e.g., gravel, plant matter). Clean the impeller and impeller well. Check the inlet strainer for blockages.
- **Reduced Aeration:** Check the air tubing and adjustable air regulator for kinks or blockages. Ensure the air intake nozzle on the pump is clear.
- **Excessive Noise:** Unplug the pump and check the impeller for proper seating and any damage. Clean the impeller and impeller well. Ensure the pump is securely attached to the aquarium wall and not vibrating against other surfaces.

SPECIFICATIONS

Feature	Specification
Model Number	WD800
Max. Flow Rate	210 GPH (800 L/H)

Feature	Specification
Max. Lift	4.2 ft (1.27 m)
Power	10.5 W
Voltage	120 Volts
Recommended Tank Size	40-60 Gallons
Material	Plastic, Polypropylene (PP)
Product Dimensions	12.7 x 5.33 x 10.92 cm
Item Weight	333 Grams



Image: Dimensions and key specifications of the AquaMiracle powerhead pump.

	Power	Flow rate	Lift
	4.8Watt	135GPH	2.5ft
	10.5Watt	210GPH	4.2ft
	12Watt	265GPH	4.6ft

Image: Comparison of AquaMiracle powerhead pump models by power, flow rate, and lift.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official AquaMiracle website. Keep your purchase receipt as proof of purchase.