

Zerodis AT-707

Zerodis AT-707 Submersible Water Pump User Manual

Model: AT-707

1. PRODUCT OVERVIEW

The Zerodis AT-707 is a mini-sized electric submersible water pump designed for a variety of aquatic applications. Constructed from high-quality engineering plastic and featuring a carbonized stainless steel core and shaft sleeve, this pump offers durability, corrosion resistance, and impact resistance. Its design prioritizes energy efficiency and quiet operation, making it suitable for sensitive environments.

Key Features:

- **Ultra-Quiet Design:** Engineered to produce minimal noise for a peaceful environment.
- **Durable Construction:** High-quality engineering plastic casing and carbonized stainless steel internal components ensure long-term reliability.
- **Safe and Leak-Free:** Motor windings are fully enclosed and resin-potted, completely separated from water to prevent leakage.
- **Removable and Cleanable Filter:** The filter cover is easily detachable, allowing for simple cleaning and maintenance.
- **Versatile Application:** Ideal for freshwater/saltwater aquariums, fountains, ponds, waterfalls, hydroponic systems, and other water features.
- **Energy-Saving:** Designed for high performance with efficient power consumption.
- **Secure Mounting:** Equipped with suction cups for stable placement in various setups.



Image 1.1: Zerodis AT-707 Submersible Water Pump (EU Plug Version)



Image 1.2: The AT-707 pump is suitable for diverse aquatic environments.

2. SAFETY INFORMATION

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

- **Electrical Safety:** Always unplug the pump from the power outlet before performing any installation, maintenance, or cleaning. Do not touch electrical parts, such as the plug, with wet hands. Ensure the power outlet is properly grounded.
- **Submersible Use Only:** This pump is designed for submersible use. Never operate the pump without it being fully submerged in water. Running the pump dry can cause overheating and permanent damage.
- **Power Cord:** Do not modify or damage the power cord. If the power cord is damaged, the pump should not be used. Do not use the power cord to lift or move the pump.
- **Children and Pets:** Keep the pump and its power cord out of reach of children and pets.
- **Water Quality:** This pump is suitable for freshwater, saltwater, and brackish water. Do not use it with flammable liquids or corrosive chemicals.
- **Temperature:** Do not operate the pump in water temperatures exceeding 35°C (95°F) or below 0°C (32°F).

3. PACKAGE CONTENTS

Upon opening the package, please ensure all items are present and undamaged:

- 1 x Zerodis AT-707 Submersible Water Pump

4. SETUP

Follow these steps to set up your AT-707 submersible water pump:

1. **Unpack:** Carefully remove the pump from its packaging.
2. **Attach Outlet Nozzle:** Connect the appropriate diameter hose (8mm or 13mm) to the water outlet nozzle on top of the pump.
3. **Positioning:** Place the pump in the desired location within your aquarium, pond, or water feature. Ensure it is fully submerged in water. The pump is equipped with four strong rubber suction cups on its base for stable vertical or horizontal mounting.



Image 4.1: The pump features four strong rubber suction cups for secure placement.

4. **Power Connection:** Ensure your hands are dry. Plug the pump's power cord into a suitable electrical outlet (110-120V for US plug or 220-240V for EU plug, depending on your model).

5. OPERATING INSTRUCTIONS

Once the pump is set up and fully submerged, operation is straightforward:

1. **Start:** Plug the pump into the power outlet. The pump will begin to operate immediately, circulating water.
2. **Flow Adjustment:** The AT-707 pump features a flow adjustment slider on its side. You can adjust this slider to increase or decrease the water flow rate as needed for your application.
3. **Stop:** To stop the pump, simply unplug it from the power outlet.



Image 5.1: The pump operating while fully submerged in water.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your pump.

1. **Disconnect Power:** Always unplug the pump from the power source before any maintenance.
2. **Clean Filter Cover:** The filter cover effectively prevents foreign objects from entering the motor. It is easily detachable for cleaning. Regularly remove the filter cover and clean any accumulated debris.

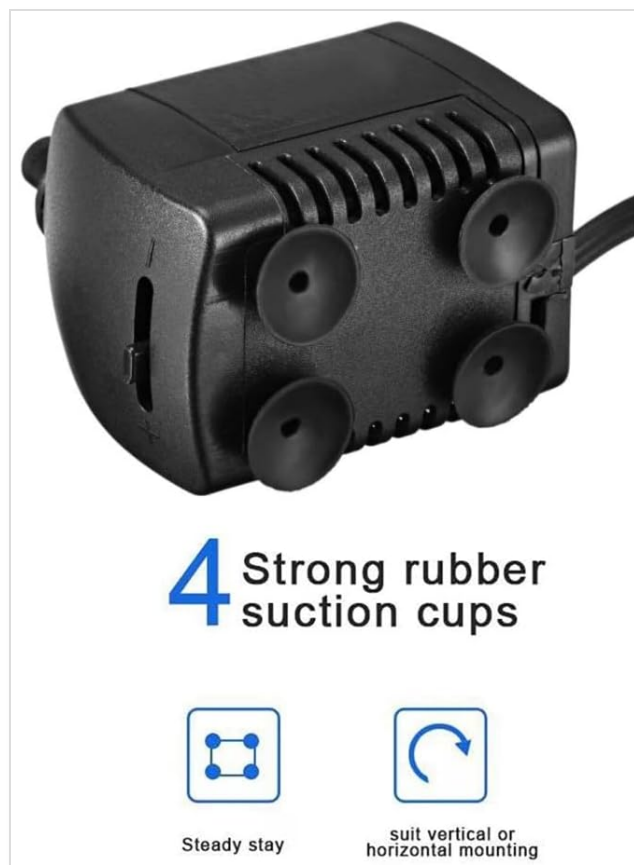


Image 6.1: The filter cover can be easily removed for cleaning.

3. **Clear Debris:** Regularly clean any debris from the pump's intake screen to prevent performance

degradation due to blockages.

4. **Impeller Cleaning:** If the pump's performance significantly drops, the impeller may be clogged. Carefully disassemble the pump (refer to diagrams if available, or consult manufacturer support) to access and clean the impeller.
5. **Storage:** If storing the pump for an extended period, clean it thoroughly, dry it, and store it in a cool, dry place.

7. TROUBLESHOOTING

If you encounter issues with your AT-707 pump, refer to the following common problems and solutions:

- **Pump Not Starting:**

- Ensure the pump is properly plugged into a functional power outlet.
- Check for power supply issues (e.g., tripped circuit breaker).
- Verify the pump is fully submerged in water.

- **Reduced Water Flow:**

- Clean the intake screen and filter cover for any debris or blockages.
- Check the impeller for obstructions.
- Ensure the flow adjustment slider is set to the desired level.

- **Excessive Noise:**

- While the pump is designed to be ultra-quiet, some mechanical operating noise is normal.
- Check for any foreign objects caught in the impeller.
- Ensure the pump is securely placed and not vibrating against hard surfaces.

- **Pump Running Dry:**

- Immediately unplug the pump.
- Allow it to cool down.
- Ensure it is fully submerged before plugging it back in. Running dry can cause irreversible damage.

8. SPECIFICATIONS

Technical specifications for the Zerodis AT-707 Submersible Water Pump:

Specification	Value
Model	AT-707
Voltage Options	110-120V (US Plug) / 220-240V (EU Plug)
Frequency	60Hz / 50Hz
Power	7W
Max Flow Rate (Output)	400 L/H
Max Lift (H-Max)	0-1.0 M (100 cm)

Specification	Value
Water Outlet Diameter	8 MM / 13 MM
Power Cord Length	1.45 M (approx. 57 inches)
Main Material	ABS Engineering Plastic
Core & Shaft Sleeve Material	Carbonized Stainless Steel
Dimensions (approx.)	6.4 cm (L) x 4.3 cm (W) x 5.6 cm (H)



Image 8.1: Approximate dimensions of the AT-707 pump.

9. WARRANTY AND SUPPORT

Specific warranty information for the Zerodis AT-707 Submersible Water Pump is not provided in this manual. For details regarding warranty coverage, returns, or technical support, please refer to the product packaging, the seller's website, or contact Zerodis customer service directly.

When contacting support, please have your product model (AT-707) and purchase information readily available.