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PULACO PL-3000

PULACO 800GPH Submersible Water Pump (Model PL-3000) Instruction Manual

Your guide to installation, operation, and maintenance.

1. PRODUCT OVERVIEW

The PULACO 800GPH Submersible Water Pump (Model PL-3000) is a versatile and durable pump designed for various water circulation applications. Its compact size and quiet operation make it suitable for both indoor and outdoor use, including aquariums, fish tanks, pond fountains, statuary, and hydroponic systems.

This pump is engineered for efficiency and ease of maintenance, ensuring a continuous and reliable water flow for your specific needs.



Image 1: PULACO 800GPH Submersible Water Pump demonstrating its multi-purpose applications in fountains, aquariums, pond fountains, and hydroponics.

2. PRODUCT FEATURES

- **Multi-Usage:** Ideal for garden statuary fountains, waterfalls, aquariums, ponds, fish tanks, patio drip irrigation systems, and hydroponic setups.
- **Ultra Quiet Design:** Equipped with a reliable and durable motor that operates with minimal noise, providing a peaceful environment.
- **Easy Disassembly & Cleaning:** Features a flexible structure for tool-free disassembly and cleaning, simplifying maintenance.
- **Adjustable Flow:** Allows for control over the water flow rate to suit different application requirements.
- **Durable Construction:** Made from high-quality plastic for long-lasting performance.

🔊 Ultra Quiet Design

High Quality Motor Provides
you a Quiet Environment



Adjustable

Flow-Max: 800 GPH

Lift-Max: 10 FT

👍 PUMP SIZE

Size: 4.2x2.7x3.9 in



Image 2: The pump's features, including its quiet operation, adjustable flow (up to 800 GPH), and compact dimensions (4.2x2.7x3.9 inches).

3. PACKAGE CONTENTS

Please ensure all items are present and in good condition upon opening the package:

- 1 x PULACO 800GPH Submersible Water Pump (Model PL-3000)
- 1 x 6.5 ft (1.9m) Silicone Tubing
- 4 x Nozzles (0.5", 0.63", 0.75", 1")
- 1 x Filter Bag

Flexible tubing

Package include one piece of 6.5 ft free tubing.(I/D 0.6 inch)



Image 3: The included flexible silicone tubing and the four interchangeable nozzles, illustrating their various sizes.

Filter Bag

Each order package include a free filter bag, The filter bag can effectively filtering leafs or other garbage impurities in the water, reduce pump blockage and prolong the pump service life.



Image 4: The complimentary filter bag, designed to protect the pump from debris and prolong its service life.

4. SPECIFICATIONS

Specification	Value
Model Number	PL-3000
Max. Flow Rate	800 GPH (3000 L/H)
Max. Lift Height	10 ft
Wattage	45W
Voltage	110-120V (AC)
Dimensions (L x W x H)	4.2 x 2.7 x 3.9 inches (10.67 x 7.37 x 9.91 cm)
Power Cord Length	6.5 ft (1.9m)
Nozzle Sizes Included	0.5", 0.63", 0.75", 1"
Material	Plastic

5. SETUP INSTRUCTIONS

- Choose a Location:** Place the pump in a stable position within your water feature, ensuring it is fully submerged in water. The pump features suction cups on its base for secure attachment to smooth surfaces.
- Attach Tubing and Nozzle:** Select the appropriate nozzle size (0.5", 0.63", 0.75", or 1") for your desired water flow and attach it to the pump's outlet. Connect the provided silicone tubing to the nozzle. If the tubing has kinks, stretch it out and leave it on a flat surface for a few hours to restore its shape.
- Submerge the Pump:** Carefully lower the pump into the water, ensuring it is completely submerged before connecting to power. This prevents dry running, which can damage the pump.
- Connect to Power:** Plug the pump's power cord into a suitable electrical outlet. Ensure the outlet is protected from water and is appropriate for the pump's voltage (110-120V).
- Test Operation:** Once connected, the pump should begin circulating water. Observe the flow and adjust the nozzle or pump placement as needed.

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Video 1: Demonstrates the setup and operation of a PULACO submersible pump in an aquarium, showing water circulation and flow.

6. OPERATING INSTRUCTIONS

- Ensure Submergence:** Always ensure the pump is fully submerged in water during operation. Running the pump dry can lead to overheating and permanent damage.
- Adjust Flow:** If your application requires a specific flow rate, you can adjust it by selecting different nozzle sizes or, if available on your model, using an integrated flow control switch.
- Continuous Operation:** The pump is designed for continuous operation. However, regular checks for debris and proper water levels are recommended.

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Video 2: Shows a submersible water pump operating in a fountain, demonstrating its water circulation capabilities.

7. MAINTENANCE

Regular maintenance is crucial for extending the lifespan and ensuring optimal performance of your PULACO water pump.

- Disconnect Power:** Always unplug the pump from the power source before performing any maintenance or cleaning.
- Disassemble for Cleaning:** The pump's flexible structure allows for easy disassembly without tools. Gently separate the pump components, including the impeller cover and impeller.
- Clean Components:** Rinse all components with clean water. Use a soft brush or cloth to remove any accumulated debris, algae, or mineral deposits from the impeller, impeller housing, and intake screen. Pay special attention to the impeller to ensure it spins freely.
- Check Tubing and Nozzles:** Inspect the silicone tubing and nozzles for any blockages or damage. Clean them as needed.
- Reassemble:** Carefully reassemble the pump components, ensuring all parts fit securely.
- Use Filter Bag:** Utilize the provided filter bag to prevent larger debris from entering the pump, reducing the frequency of cleaning.



Detachable & Cleanable

No need any tools to detach it, easy to separate, easy to clean.



If the pump stop working accidentally or unstable, please try to dis-assemble the pump and clean it, and install it back, normally the pump will back to working again.

Image 5: Visual guide for disassembling and cleaning the pump, emphasizing its tool-free design for easy maintenance.

8. TROUBLESHOOTING

If you encounter issues with your pump, refer to the following common troubleshooting steps:

- **Pump Not Running:**

- Ensure the power cord is securely plugged into a working outlet.
- Check for any tripped circuit breakers or blown fuses.
- Verify the pump is fully submerged in water.
- Disassemble and clean the impeller and housing for any blockages.

- **Weak or No Water Flow:**

- Check the water level; the pump must be fully submerged.
- Inspect the intake screen, impeller, tubing, and nozzles for blockages or debris.
- Ensure the flow adjustment (if present) is set to the desired level.
- Confirm the tubing is not kinked or restricted.

- **Excessive Noise:**

- Ensure the pump is placed on a stable, flat surface and is fully submerged.
- Check the impeller for any foreign objects or damage.
- Verify that the pump is not running dry.

9. WARRANTY AND SUPPORT

Your PULACO 800GPH Submersible Water Pump comes with a **12-month warranty** from the date of purchase, covering manufacturing defects.

We are committed to providing excellent customer service. If you have any questions, concerns, or require assistance with your product, please do not hesitate to contact our professional after-sales service team. We offer **24-hour support** to ensure your satisfaction.

For support, please refer to the contact information provided on your product packaging or the retailer's website.