PULACO PL-400-3000

PULACO 400GPH Submersible Water Pump Instruction Manual

Model: PL-400-3000 | Brand: PULACO

INTRODUCTION

The PULACO 400GPH Submersible Water Pump is designed for various water circulation applications, including pond fountains, aquariums, fish tanks, statuary, and hydroponics. This durable and quiet pump provides a continuous, stable flow, enhancing the environment for aquatic life or creating beautiful water features. It features an adjustable flow rate and a tool-free design for easy maintenance.

Image: The PULACO 400GPH Submersible Water Pump, showing the pump unit, power cord, clear tubing, and two hose adapters.

SAFETY INSTRUCTIONS

- Always disconnect the pump from the power supply before handling, installing, or performing any maintenance.
- Ensure the pump is fully submerged in water during operation. Dry running can cause damage to the pump motor.
- Do not operate the pump if the power cord or plug is damaged.
- This pump is designed for water only. Do not use with flammable liquids.
- Keep out of reach of children.
- Ensure the voltage (120 Volts) matches your power supply.

PACKAGE CONTENTS

- 1 x PULACO 400GPH Submersible Water Pump
- 1 x 5 ft Silicone Tubing (I/D 1/2 inch)
- 2 x Hose Adapters

Flexible tubing

Package include one piece of 5 ft free tubing.(I/D 1/2 inch)

0.5"
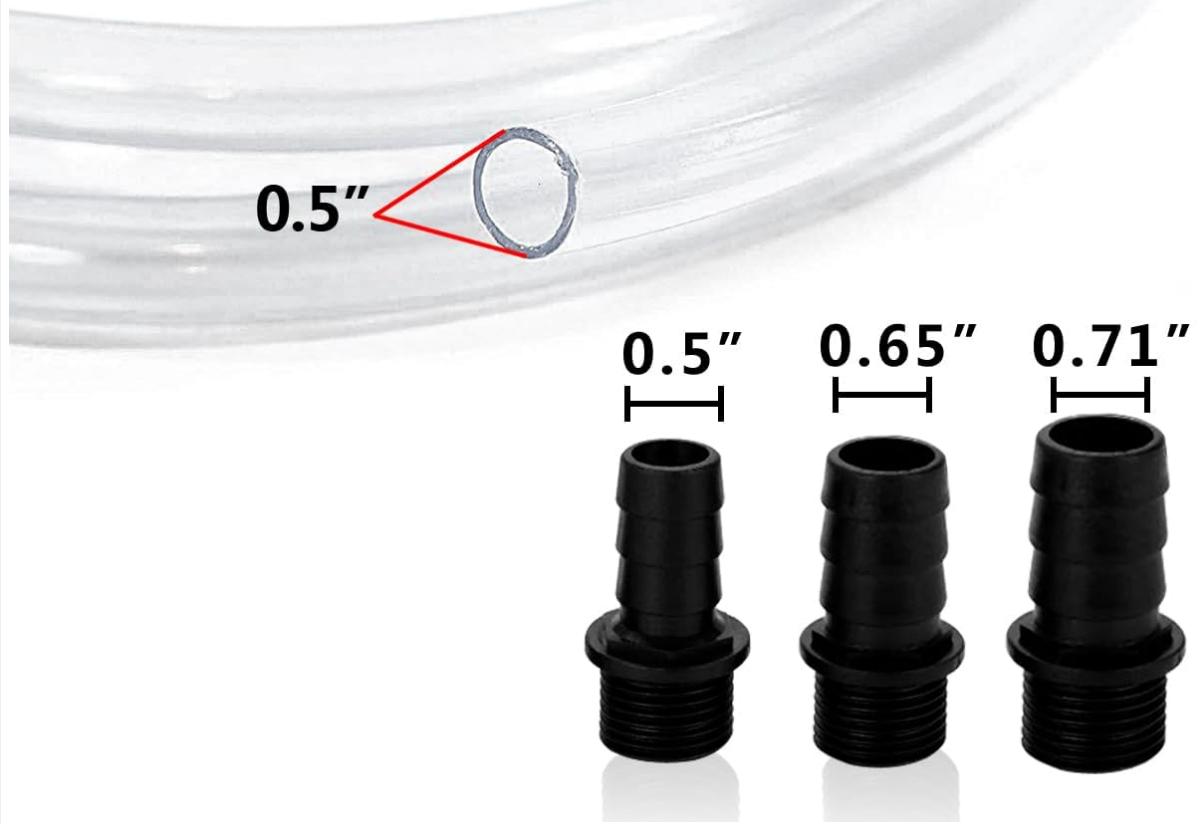
0.5"   **0.65"**   **0.71"**

Image: Close-up of the flexible silicone tubing with 0.5-inch inner diameter, and two hose adapters of different sizes (0.5", 0.65", 0.71").

Setup Instructions

1. **Attach Tubing:** Select the appropriate hose adapter and securely attach it to the pump's outlet. Then, connect the provided 5 ft silicone tubing to the adapter. If the tubing has kinks, stretch it out and leave it on a flat surface for a few hours to restore its shape.

2. **Placement:** Place the pump entirely into the water. The pump is designed to be 100% submerged. The strong suction cups on the bottom of the pump will help secure it to the base of your aquarium, pond, or container.

3. **Adjust Flow Rate:** The pump is equipped with a flow valve. Locate the adjustable dial on the side of the pump (refer to image below). Rotate the dial to increase or decrease the water flow rate according to your needs. The maximum flow rate is 400 GPH (Gallons Per Hour) and the maximum lift is 6.6 ft.

4. **Power Connection:** Once the pump is submerged and tubing is set up, plug the power cord into a suitable electrical outlet. Ensure the power cord is routed safely to prevent tripping hazards.

Ultra Quiet Design

High Quality Motor Provides you a Quiet Environment

Adjustable

Flow-Max: 400 GPH

Lift-Max: 6.5 FT

Image: The pump highlighting its ultra-quiet design and adjustable flow feature, showing the dial for flow control.
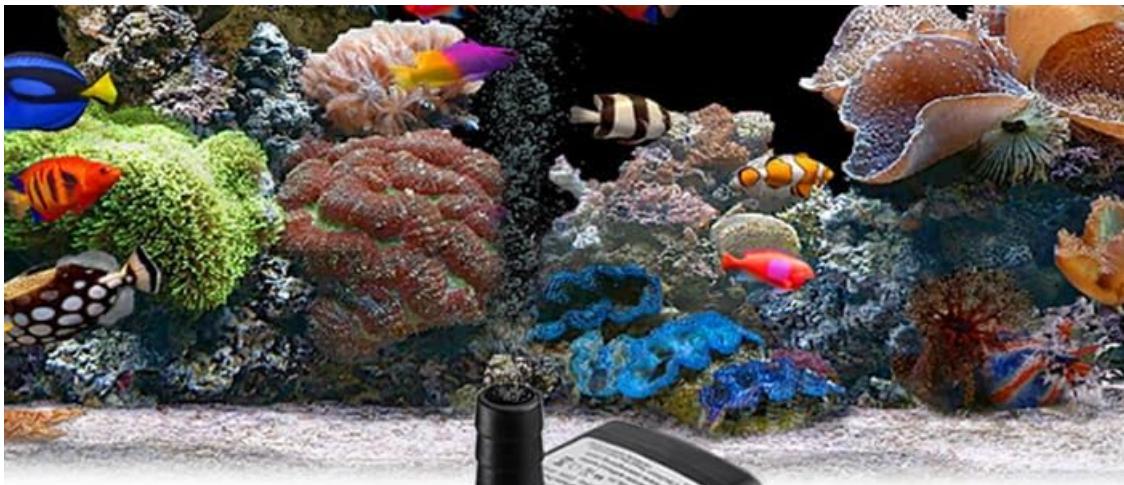
Image: A hand holding the PULACO pump, emphasizing its compact size (3.3x2.3x2.8 inches) and a critical warning: "This submersible pump should be 100% submerged into water, dry running could damage the pump motor."

OPERATING INSTRUCTIONS

Once properly set up and powered on, the PULACO pump will begin circulating water. You can fine-tune the water flow by adjusting the dial on the pump's side. The pump is designed for continuous operation, providing a comfortable and quiet environment due to its high-quality motor.

Image: Collage showing the pump used in various applications: a children's splash pad, an aquarium, a garden fountain, and a water play table.

MAINTENANCE

Regular cleaning is essential to ensure the longevity and optimal performance of your pump. The pump features a flexible structure design that allows for easy, tool-free disassembling and cleaning.

- **Cleaning:** Disconnect the pump from power. Detach the front cover and impeller assembly. Rinse all components under clean water to remove any debris, algae, or mineral buildup. Use a soft brush if necessary. Reassemble the pump securely.
- **Algae Prevention:** If using in an outdoor setting or where algae growth is common, consider periodically cleaning the tubing and pump to prevent buildup that can reduce flow.

Image: An exploded view of the pump demonstrating its detachable and cleanable components, along with an illustration of its strong suction cups for easy installation and a 6.0 ft (2.0 m) long power cord.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump not operating	No power; Impeller jammed; Pump not submerged.	Check power connection; Clean impeller; Ensure pump is fully submerged.
Reduced water flow	Debris in pump/tubing; Kinked tubing; Flow rate set too low.	Clean pump/tubing; Straighten tubing; Adjust flow dial to higher setting.
Excessive noise/vibration	Impeller worn or dirty; Pump not stable; Air in pump.	Clean/inspect impeller; Secure pump with suction cups; Submerge pump fully to release air.

SPECIFICATIONS

Feature	Detail
Brand	PULACO
Model Number	PL-400-3000
Power Source	Corded Electric

Feature	Detail
Voltage	120 Volts
Wattage	25 watts
Maximum Flow Rate	400 GPH (6.66 Gallons Per Minute)
Maximum Lifting Height	6.6 Feet
Product Dimensions	5.1"L x 3"W x 4"H
Item Weight	1.5 Pounds
Material	Plastic

WARRANTY AND SUPPORT

Specific warranty information for this product was not provided in the available documentation. For any support inquiries, troubleshooting assistance, or warranty claims, please contact PULACO customer service directly through their official channels or the retailer from whom the product was purchased.