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PULACO PL-128-1

PULACO 95GPH 5W Mini Submersible Water Pump Instruction Manual

Model: PL-128-1

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your PULACO 95GPH 5W Mini Submersible Water Pump. This compact pump is designed for various water circulation applications, including small to medium-sized aquariums, fish tanks, ponds, tabletop fountains, water gardens, and hydroponic systems.

Key Features:

- **Ultra-Quiet Design:** Engineered for minimal noise output, providing a peaceful environment.
- **Adjustable Flow Rate:** Features a knob for controlling water flow, with a maximum rate of 95 GPH (360 L/H).
- **Detachable & Cleanable:** Designed for easy disassembly without tools, simplifying maintenance.
- **Mini Size:** Compact dimensions (1.8 x 1.8 x 1.4 inches) allow for discreet placement.

Important Safety Note: This submersible pump must be fully submerged in water before being powered on. Operating the pump without water (dry running) will cause damage to the motor and shorten its lifespan.



Image 1.1: The PULACO Mini Submersible Water Pump is suitable for diverse applications such as aquariums, pet fountains, pond fountains, and hydroponic setups.

2. PRODUCT COMPONENTS

Carefully unpack the contents and ensure all items are present and undamaged.

- 1 x PULACO Mini Submersible Water Pump (Model PL-128-1)
- 3 x Suction Cups (pre-attached or separate)
- 1 x Nozzle (0.3 inch diameter)
- 1 x Tubing (approximately 3.3 feet / 1 meter in length)



Image 2.1: The PULACO Mini Submersible Water Pump, including its power cord and clear tubing accessory.



Image 2.2: The pump's compact size, shown held in a hand, allows for easy integration into various setups.

3. SETUP INSTRUCTIONS

- Attach Tubing:** Connect the provided nozzle to the pump's outlet. Then, attach the clear tubing to the nozzle. Ensure a secure fit to prevent leaks.
- Placement:** Position the pump in your desired water feature (aquarium, pond, fountain, etc.). The pump is designed to operate fully submerged.
- Secure Pump:** Use the three suction cups located on the bottom of the pump to firmly attach it to a clean, smooth surface within the water. This helps prevent movement and reduces vibration.
- Submerge Completely:** Ensure the pump is entirely underwater before connecting it to a power source. This is critical to prevent motor damage from dry running.
- Connect Power:** Once fully submerged, plug the pump's power cord into a standard 120V electrical outlet.



Image 3.1: Illustration of the adjustable flow rate control and the suction cups for secure installation.

4. OPERATING INSTRUCTIONS

- Power On:** After ensuring the pump is fully submerged, plug it into a 120V power outlet. The pump will begin operating immediately.
- Adjust Flow Rate:** Locate the adjusting knob on the pump. Rotate the knob to increase or decrease the water flow rate according to your application's requirements. The maximum flow rate is 95 GPH (360 L/H) without tubing, and the maximum lift is 3.0 ft (0.9 M).
- Power Off:** To stop the pump, simply unplug it from the electrical outlet.

The pump's reliable motor is designed for quiet operation, making it suitable for environments where noise reduction is desired.

Ultra Quiet Design

High Quality Motor Provides
you a Quiet Environment



Image 4.1: The pump's ultra-quiet operation ensures a peaceful environment, even near sleeping areas.

5. MAINTENANCE

Regular cleaning is essential to maintain the pump's performance and extend its lifespan. It is recommended to clean the pump approximately every two months, or more frequently if debris accumulation is observed.

- 1. Disconnect Power:** Always unplug the pump from the power outlet before performing any maintenance.
- 2. Remove from Water:** Carefully remove the pump from its submerged location.
- 3. Disassemble:** The pump is designed for easy disassembly without tools. Gently separate the pump housing components to access the impeller.
- 4. Clean Components:** Rinse all parts, including the impeller, housing, and inlet screen, under clean water. Use a small brush or cotton swab to remove any accumulated debris, algae, or mineral deposits. Pay close attention to the impeller area, as blockages here can significantly reduce performance or cause noise.
- 5. Reassemble:** Once all parts are clean, reassemble the pump, ensuring all components fit securely.
- 6. Return to Water:** Place the cleaned pump back into the water, ensuring it is fully submerged before

reconnecting power.

Caution: If the pump suddenly stops working or produces unusual noises, it is often due to debris blockage. Promptly clean the pump to prevent further damage.



Attention: This submersible pump should be 100% submerged into water, dry running could damage the pump motor.



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

Long power cord :
6.0 ft (2.0M)

Image 5.1: The pump can be easily detached for cleaning, allowing access to internal components like the impeller.



Image 5.2: The impeller, a key component for water movement, should be regularly inspected and cleaned.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start or stops working.	<ul style="list-style-type: none">Not plugged in.Power outage.Debris blockage (e.g., dirt, algae, hair).Dry running (pump operated without water).	<ul style="list-style-type: none">Ensure pump is securely plugged into a working outlet.Check household power supply.Unplug pump, remove from water, disassemble, and thoroughly clean all components, especially the impeller.If dry running occurred, the motor may be damaged.
Reduced water flow or weak output.	<ul style="list-style-type: none">Debris blockage.Flow rate adjustment knob set too low.Pump not fully submerged.Insufficient power/frequency (less common for user).Tubing kinked or obstructed.	<ul style="list-style-type: none">Unplug pump, clean thoroughly as described in Maintenance section.Adjust the flow rate knob to a higher setting.Ensure the pump is completely underwater.Check tubing for kinks or blockages.Note: The stated 95 GPH flow rate is without tubing; connecting tubing will naturally reduce the maximum flow.
Pump makes loud or unusual noises.	<ul style="list-style-type: none">Debris interfering with impeller.Pump not securely mounted (vibration).Dry running.	<ul style="list-style-type: none">Unplug pump, clean impeller and housing thoroughly.Ensure suction cups are firmly attached to a smooth surface.Confirm pump is fully submerged.

7. SPECIFICATIONS

Specification	Value
Brand	PULACO
Model Number	PL-128-1
Power Source	Corded Electric
Wattage	5 Watts
Voltage	120 Volts

Specification	Value
Maximum Flow Rate	95 GPH (1.5 Gallons Per Minute)
Maximum Lifting Height	3.0 ft (0.9 Meters)
Product Dimensions (L x W x H)	1.8" x 1.8" x 1.4"
Item Weight	0.4 Pounds (6.4 ounces)
Material	Plastic
UPC	736139002157

8. SAFETY INFORMATION

- Always ensure the pump is **fully submerged** in water before connecting it to a power source. Dry running will cause irreversible damage.
- Disconnect the power supply before performing any maintenance, cleaning, or when changing water in your setup.
- This pump is designed for use with 120V electrical outlets. Do not use with incompatible voltage.
- Do not operate the pump if the power cord or plug is damaged.
- Keep out of reach of children.

9. WARRANTY AND SUPPORT

Specific warranty details are not provided within this instruction manual. For information regarding warranty coverage, terms, and conditions, please refer to the product packaging or contact PULACO customer support directly.

For technical assistance, troubleshooting beyond this guide, or to inquire about replacement parts, please contact the seller or manufacturer through their official channels.

	<p>Koller Products ASZEP05-PL Aquarium Internal Power Filter - User Guide and Instructions</p> <p>Detailed instructions, installation guide, maintenance tips, safety precautions, and warranty information for the Koller Products ASZEP05-PL Aquarium Internal Power Filter.</p>
	<p>SunSun HXS-03 Aquarium Gravel Vacuum Cleaner - User Manual</p> <p>Comprehensive user guide for the SunSun HXS-03 aquarium gravel vacuum cleaner. This manual details setup, operation, maintenance, and safety instructions for effectively cleaning your aquarium substrate and managing water changes with the integrated 20W pump.</p>
	<p>ProLake Aeration System Installation Guide</p> <p>Comprehensive installation guide for ProLake Aeration Systems, covering product set-ups, installation steps, timer programming, remote installation, maintenance, troubleshooting, and warranty information for models PL-1, PL-2, PL-3, and PL-4.</p>
	<p>fishkeeper Aquarium Gravel Cleaner - 8-in-1 Multi-Function Tool</p> <p>The fishkeeper 8-in-1 Aquarium Gravel Cleaner is a versatile tool designed for comprehensive aquarium maintenance. It facilitates water changes, sand washing, water circulation, and filtration, featuring multiple interchangeable heads for various cleaning tasks. Suitable for freshwater and turtle tanks.</p>
	<p>ProLake Aeration System Installation Guide Keeton Industries</p> <p>Comprehensive installation guide for ProLake aeration systems by Keeton Industries. Learn how to set up, maintain, and troubleshoot your pond or lake aeration equipment.</p>
	<p>VEVOR Pond Liner Installation and Maintenance Guide</p> <p>Comprehensive guide for VEVOR Pond Liners, covering installation, advantages, product parameters, maintenance, and troubleshooting for models HH225-1520-1, HH225-2020-1, HH225-2025-1, and HH225-2530-1. Essential for creating durable and leak-free fish ponds and water features.</p>