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> Lewisia 10W Solar Water Pump Kit (Model zj-pq04) Instruction Manual

Lewisia zj-pq04

Lewisia 10W Solar Water Pump Kit

Model: zj-pq04

Brand: Lewisia

1. PRODUCT OVERVIEW

The Lewisia 10W Solar Water Pump Kit (Model zj-pq04) is a solar-powered pump system designed for various water features such as ponds, fountains, pools, gardens, patios, hydroponics, aquaculture, and bird baths. It utilizes a 10W solar collector to provide energy for water circulation and features interchangeable spray heads for customizable water patterns. The kit includes a long cable for flexible solar panel placement and a filter bag to prevent blockages.



Image: The Lewisia 10W Solar Water Pump Kit in operation, creating a fountain spray in a pond.

2. PACKAGE CONTENTS

Please verify that all components are present in the package before proceeding with installation:

- 10W Solar Panel
- Water Pump with 16.4 feet (5m) power cord
- Interchangeable Nozzle Accessories (Mushroom, Blossom, and other spray heads)
- Metal Bracket for solar panel mounting
- Mounting Hardware (screws, nuts, wall anchors)
- Filter Bag



Image: All components of the Lewisia 10W Solar Water Pump Kit, including the solar panel, pump, various nozzles, and mounting hardware.

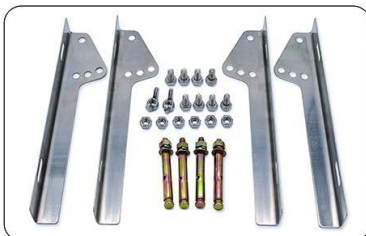
3. SETUP INSTRUCTIONS

3.1. Solar Panel Assembly

1. Attach the metal bracket to the back of the solar panel using the provided screws and nuts.
2. Adjust the angle of the bracket to optimize sunlight exposure. The bracket allows for ground standing or wall mounting.

Assemble the solar panel

0



1



2



3



4



5



Image: A visual guide demonstrating the steps to assemble the metal bracket onto the solar panel.

3.2. Pump and Nozzle Assembly

1. Select your desired nozzle accessory (e.g., Mushroom or Blossom spray head) and securely attach it to the pump outlet.
2. Ensure the filter bag is properly installed around the pump to prevent debris from entering.

32 Kinds of Nozzle Accessories Combination



Image: A diagram illustrating the different nozzle accessories and how they can be combined with the pump to create various water patterns.

3.3. Placement and Connection

1. Place the assembled pump into your water feature (pond, pool, bird bath), ensuring it is fully submerged and stable.
2. Position the solar panel in an area that receives maximum direct sunlight throughout the day. The 16.4-foot (5m) cable allows for flexible placement, enabling the pump to be in shade while the panel is in the sun.
3. Connect the pump's power cord to the solar panel's output port.

4. OPERATING INSTRUCTIONS

The Lewisia 10W Solar Water Pump operates automatically when the solar panel receives sufficient direct sunlight. The pump will start and the water will begin to flow, creating your chosen fountain pattern.

- **Sunlight Dependency:** The height and intensity of the water spray are directly dependent on the amount and strength of direct sunlight hitting the solar panel. Performance may vary on cloudy days or in shaded areas.
- **Water Patterns:** Experiment with different nozzle accessories to achieve various water spray patterns, such as mushroom or blossom shapes.



Image: A solar-powered fountain operating in a garden pond, showcasing a wide spray pattern.

Video: Official product video demonstrating the assembly of the Lewisia 10W Solar Fountain Pump and showcasing various blossom and mushroom spray head patterns. It also illustrates how water height is affected by sunlight intensity.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your solar water pump kit.

- **Clean the Pump:** Periodically remove the pump from the water and clean any debris or algae that may have accumulated on the intake or inside the filter bag. A clogged pump can reduce water flow or stop operation.
- **Clean the Solar Panel:** Wipe the surface of the solar panel with a soft, damp cloth to remove dust, dirt, or water spots. A clean panel ensures maximum sunlight absorption and efficient power generation.
- **Check Water Level:** Ensure your water feature always has sufficient water to keep the pump fully submerged. Running the pump dry can cause damage.



Image: The water pump enclosed in a filter bag, designed to prevent dirt and debris from blocking the pump mechanism.

6. TROUBLESHOOTING

If your solar water pump is not functioning as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
Pump not working or weak flow	Insufficient direct sunlight, clogged pump/filter, low water level.	Ensure solar panel is in full, direct sunlight. Clean the pump and filter bag. Check and refill water feature to ensure pump is fully submerged.
Intermittent operation	Partial shading on solar panel, fluctuating sunlight intensity (e.g., passing clouds).	Relocate solar panel to an area with consistent, unobstructed direct sunlight. The pump requires bright, full sun to function optimally.
No water spray despite pump running	Nozzle blockage, incorrect nozzle attachment.	Remove and clean the nozzle. Ensure the nozzle is securely and correctly attached to the pump outlet.

7. SPECIFICATIONS

- **Brand:** Lewisia
- **Model Number:** zj-pq04
- **Power Source:** Solar Powered
- **Material:** Polycrystalline silicon and ABS
- **Item Weight:** 1.26 Kilograms
- **Maximum Flow Rate:** 5.95 Gallons Per Minute
- **Maximum Lifting Height:** 26 Feet
- **Voltage:** 17 Volts

8. WARRANTY AND SUPPORT

Lewisia is committed to customer satisfaction. While specific warranty details are not provided in this manual, the manufacturer typically offers support for product issues. If you encounter any problems with your Lewisia 10W Solar Water Pump Kit, please contact Lewisia customer service for assistance. Keep your purchase receipt as proof of purchase.