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Gardena 13300-60

Gardena aquaBloom Solar Irrigation Set (Model 13300-60) Instruction Manual

1. Introduction

The Gardena aquaBloom Solar Irrigation Set provides an automatic and reliable watering solution for your plants, particularly useful during absences or holidays. This system operates independently of electricity and water connections, utilizing solar power for operation. The main unit integrates the pump, control unit, and solar panel, offering flexible placement options. A single day of direct sunlight is sufficient to charge the internal batteries, ensuring optimal watering performance.

2. Safety Information

Please read these instructions carefully before operating the Gardena aquaBloom Solar Irrigation Set. Failure to follow these guidelines may result in damage to the product or personal injury.

- Keep the device out of reach of children and pets.
- Do not immerse the main unit in water. It is designed to be splash-proof, not submersible.
- Use only the specified rechargeable batteries.
- Ensure all connections are secure to prevent leaks.
- Position the solar panel in an area that receives maximum direct sunlight.
- Do not attempt to modify or repair the unit yourself. Contact qualified service personnel for assistance.

3. Package Contents

Verify that all components are present in your Gardena aquaBloom Solar Irrigation Set package:

- Main unit (integrated solar panel, pump, control unit)
- Rechargeable AA batteries
- Water reservoir (not included, but required for operation)
- Irrigation tubing
- Various connectors and end caps
- Drip emitters
- Ground stakes for tubing
- Cleaning needle for drip emitters



The image displays the complete Gardena aquaBloom Solar Irrigation Set. It features the main black unit with an integrated solar panel and control dial, a separate black water reservoir, two AA rechargeable batteries, a roll of black irrigation tubing, various black and blue connectors, drip emitters, and ground stakes.

4. Setup

4.1. Main Unit Placement

The main unit, which integrates the pump, control unit, and solar panel, can be placed flexibly. Options include hanging on a wall, attaching to a pot edge or balcony railing, or standing on a flat surface. Ensure the solar panel receives direct sunlight for optimal charging throughout the day.

4.2. Battery Installation

Open the battery compartment on the main unit and install the provided rechargeable AA batteries. Pay close attention to the correct polarity (+/-) as indicated inside the compartment.

4.3. Water Reservoir Connection

Connect the main unit to a suitable water reservoir (e.g., a bucket, watering can, or dedicated tank). Ensure the pump intake hose is fully submerged in the water and secured to prevent it from floating or falling out.

4.4. Tubing and Drip Emitter Installation

Cut the irrigation tubing to the desired lengths to reach each plant. Connect the tubing to the main unit's outlet. Use the provided connectors (T-connectors, end caps) to create your irrigation layout. Attach drip emitters at each plant location. Secure the tubing and emitters using the ground stakes.

4.5. Drip Emitter Adjustment

Adjust the flow rate of each drip emitter to provide the appropriate amount of water for individual plants. Some emitters may have adjustable settings; refer to their specific instructions if applicable.

5. Operating Instructions

5.1. Initial Charging

Before first use, allow the solar panel to charge the internal batteries for at least one full day (8-10 hours) in direct sunlight. This ensures the batteries are sufficiently powered for operation.

5.2. Setting Watering Program

Use the control dial on the main unit to select your desired watering program. The dial typically offers various durations and frequencies (e.g., daily, every other day, specific duration). Rotate the dial to align the indicator with your chosen setting.

5.3. Monitoring

Regularly check the water level in your reservoir and refill as needed. The system will only operate if there is sufficient water. Observe your plants over the first few days to ensure they are receiving adequate water and adjust the program or emitter settings if necessary.

6. Maintenance

6.1. Cleaning the Solar Panel

Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean solar panel ensures maximum charging efficiency.

6.2. Cleaning Drip Emitters

If you notice reduced water flow or clogging, remove the affected drip emitters and use the provided cleaning needle to clear any blockages. Rinse with clean water before reattaching.

6.3. Winter Storage

Before the first frost or during extended periods of non-use, disconnect the system, drain all water from the tubing and pump, and remove the batteries. Store all components in a dry, frost-free location to prevent damage.

6.4. Battery Care

Ensure rechargeable batteries are fully charged before storing them for long periods. Periodically recharge them every few months to maintain their lifespan and performance.

7. Troubleshooting

7.1. No Water Flow

- **Check water reservoir level:** Ensure there is enough water for the pump to operate.
- **Pump intake blockage:** Verify the pump intake is not obstructed by debris or sediment.
- **Battery charge:** Confirm batteries are charged and correctly installed. Allow more time for solar charging if needed.
- **Tubing issues:** Inspect irrigation tubing for kinks, blockages, or disconnected sections.
- **Clogged emitters:** Clean drip emitters using the provided needle.

7.2. Insufficient Watering

- **Program settings:** Increase the watering duration or frequency setting on the control dial.
- **Leaks:** Check for any leaks in the system that might be diverting water.
- **Solar panel exposure:** Ensure the solar panel is receiving sufficient direct sunlight for optimal battery charging.

7.3. Excessive Watering

- **Program settings:** Decrease the watering duration or frequency setting on the control dial.
- **Drip emitter adjustment:** Adjust the flow rates of individual drip emitters if they are providing too much water.

8. Specifications

- **Brand:** Gardena
- **Model Number:** 13300-60
- **Product Dimensions (L x W x H):** 4.72 x 4.72 x 4.72 inches
- **Item Weight:** 7.72 Pounds
- **Global Trade Identification Number (GTIN):** 04078500050159
- **Power Source:** Solar-powered with rechargeable batteries

9. Warranty and Support

For detailed warranty information, technical support, or to purchase replacement parts, please visit the official Gardena website or contact Gardena customer service directly. Please retain your proof of purchase for any warranty claims.

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