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Gardena 13301-25.000.00

GARDENA AquaBloom Solar-Powered Irrigation System

Model: 13301-25.000.00

Brand: Gardena

INTRODUCTION

The GARDENA AquaBloom Solar-Powered Irrigation System is designed to provide automatic and reliable watering for up to 20 potted plants on balconies and patios. This self-sufficient system operates entirely on solar energy, eliminating the need for external power or water connections. It is ideal for ensuring your plants receive consistent hydration, especially when you are away.

The system integrates a pump, a control unit, and a solar panel into one compact main unit, powered by rechargeable batteries. With 14 pre-defined irrigation programs, you can customize the watering frequency and amount to suit the specific needs of your plants throughout the growing season.

SAFETY INFORMATION

Please read and understand all safety instructions before operating the GARDENA AquaBloom system. Failure to follow these instructions may result in damage to the product or personal injury.

- Always follow the instructions provided with the kit.
- Keep the solar panel clean and unobstructed for optimal performance.
- Do not submerge the main unit in water.
- Ensure all connections are secure to prevent leaks.
- Keep the kit away from children and pets.
- Do not use the kit in areas where water and electrical components could come into contact with each other.
- Always disconnect the kit from the water source before making any adjustments or repairs.

PACKAGE CONTENTS

Verify that all components are present before beginning installation.



Image: All components of the GARDENA AquaBloom Solar-Powered Irrigation System, including the main solar unit, water reservoir, distribution tubing, and various drippers and connectors.

- 1x AquaBloom Main Unit (integrated pump, control unit, solar panel)
- 1x Water Reservoir (approx. 10.5 liters / 2.77 gallons)
- 20m (65 ft) Distribution Tubing (3/16 inch)
- 20x Adjustable Drip Emitters
- 8x 3-way Connectors
- 8x End Caps
- 1x Cleaning Needle

- Rechargeable Batteries (pre-installed or included)

SETUP

1. Positioning the Main Unit and Water Reservoir

Place the AquaBloom main unit and the water reservoir in a location that receives ample direct sunlight throughout the day. The solar panel on the main unit requires direct sun exposure to charge the internal batteries and power the system. Ensure the water reservoir is stable and can hold the required volume of water.



Image: The GARDENA AquaBloom main unit positioned on top of its water reservoir, surrounded by various potted plants on a patio, demonstrating a typical setup.

2. Connecting the Tubing and Drippers

1. Connect one end of the distribution tubing to the outlet on the AquaBloom main unit.
2. Cut the distribution tubing to the desired lengths to reach each plant.
3. Use the 3-way connectors to branch the tubing to multiple plants.
4. Insert an adjustable drip emitter into the end of each tubing section that will water a plant. Ensure the emitter is securely placed in the plant's pot, near the base of the plant.
5. Use end caps to seal any unused tubing ends.

3. Filling the Water Reservoir

Fill the water reservoir with clean water. The system draws water directly from this reservoir. Ensure the water level is sufficient for the chosen watering program and the number of plants.

OPERATING INSTRUCTIONS

Selecting a Watering Program

The AquaBloom main unit features a rotary dial on its solar panel for selecting one of 14 pre-set watering programs. Each program defines the frequency and duration of watering cycles.



Image: A detailed view of the AquaBloom solar panel, highlighting the central dial used to select one of the 14 pre-set watering programs.

1. Locate the rotary dial on the front of the AquaBloom main unit.
2. Turn the dial to select the desired program number. Refer to the user manual included in the package for a detailed description of each program's watering schedule (e.g., frequency and duration).
3. Once a program is selected, the system will automatically begin watering according to the schedule, provided there is sufficient sunlight for charging and water in the reservoir.

Tip: Observe your plants' needs and adjust the program as necessary, especially during different seasons or weather conditions. More frequent or longer watering cycles may be needed during hot, dry periods.

MAINTENANCE

- **Solar Panel Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures optimal solar energy absorption and battery charging.
- **Dripper Maintenance:** Periodically check the drip emitters for clogs. If a dripper is blocked, use the included cleaning needle to clear any obstructions.
- **Water Reservoir Cleaning:** Clean the water reservoir regularly to prevent algae growth and sediment buildup, which can clog the pump or drippers.
- **Tubing Inspection:** Inspect the distribution tubing for kinks, damage, or leaks. Repair or replace damaged sections as needed.
- **Winter Storage:** Before the first frost, drain all water from the system and store the AquaBloom main unit and reservoir in a frost-free location. Clean all components thoroughly before storage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No water flow from drippers.	Empty water reservoir. Clogged drippers or tubing. Insufficient solar charge. Kinked tubing.	Refill water reservoir. Clean drippers with needle; flush tubing. Ensure solar panel is clean and in direct sunlight. Straighten tubing.
Uneven watering.	Partially clogged drippers. Incorrect dripper placement. System not level.	Clean all drippers. Adjust dripper position in pots. Ensure the main unit and reservoir are on a level surface.
System not turning on.	Batteries not charged. Solar panel obstructed. Unit is OFF (dial setting).	Allow unit to charge in direct sunlight for several hours. Clear any obstructions from the solar panel. Turn the dial to a numbered program setting.

SPECIFICATIONS

- **Model Number:** 13301-25.000.00
- **Power Source:** Solar Powered
- **Watering Capacity:** Up to 20 potted plants
- **Hose Length:** 65 Feet (20 meters)
- **Fit Type:** 3/16 inch barbed fittings
- **Water Reservoir Volume:** 2.77 gal. (10.5 liters)
- **Item Weight:** 4.2 Pounds (1.9 kg)
- **Product Dimensions (Main Unit):** Approximately 13 x 17 x 9 inches (L x W x H) *-Note: This dimension seems to be for the package or entire system, not just the main unit.*
- **Watering Programs:** 14 pre-set programs

WARRANTY AND SUPPORT

GARDENA products are manufactured with high-quality materials and undergo rigorous testing. For specific warranty details regarding your AquaBloom Solar-Powered Irrigation System, please refer to the warranty card included in your product packaging or visit the official GARDENA website.

For technical support, troubleshooting assistance, or spare parts, please contact GARDENA customer service. Contact information can typically be found on the GARDENA website or in your product documentation.

GARDENA Official Website: www.gardena.com