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SPIDER FARMER 16L Humidifier

Spider Farmer 16L Humidifier User Manual

Model: 16L Humidifier

1. PRODUCT OVERVIEW

The Spider Farmer 16L Humidifier is an ultrasonic device designed to maintain optimal humidity levels in various environments, including grow tents and commercial planting setups. It features a large capacity tank, adjustable mist output, and intelligent controls for precise environmental management.



Image 1.1: The Spider Farmer 16L Humidifier with its extended tubes and digital control panel.

Key Features:

- **Digital Humidity Regulator:** Adjust mist volume (1-4 levels) and humidity (35% to 95% in 5% increments) with a built-in hygrometer.
- **Sensor Probe & Expandable Tubes:** The external probe displays ambient temperature and humidity. Four extended tubes ensure uniform humidification, allowing the unit to be placed outside the grow tent.
- **12-Hour Timer:** Set the operating time from 1 to 12 hours in 1-hour increments.
- **Large Capacity:** 16L (4.2 Gals) tank for extended operation, with a maximum mist output of 1400 ml/h.
- **360° Nozzle & Wheels:** Equipped with four tubes for 360° mist distribution and wheels for easy mobility.

2. PACKAGE CONTENTS

Verify that all components are present in the package before setup.

PACKAGE INCLUDING



Image 2.1: All components included in the humidifier package, such as the main unit, various conversion adapters, flexible hoses, straight pipes, hanging ropes, power cord, humidity sensor, and a tool bag.

- Humidifier Main Unit
- Two-way Conversion Adapter
- Three-way Conversion Adapter
- Four-way Conversion Adapter
- Quad Directional Nozzle
- Flexible Short Hoses (x2): 22cm (8.7")-80cm (31.5")
- Flexible Long Hoses (x2): 48.5cm (19.1")-157cm (61.8")
- Short Straight Pipes (x4): 22.5cm (8.9")
- Long Straight Pipe: 37cm (14.6")
- Hanging Ropes (x3)
- Power Cord: 250cm (98.5")
- Humidity Sensor: 360cm (142.0")
- Tool Bag

3. SETUP INSTRUCTIONS

3.1 Placement

Place the humidifier on a flat, stable surface. For grow tents, the humidifier can be positioned outside the tent, with the extended tubes and humidity sensor routed inside to distribute mist effectively.



HUMIDIFIER FOR GROW TENT

Under the condition of not occupying the space for planting tents, full humidification can be achieved through pipeline spray

Image 3.1: The humidifier positioned outside a grow tent, demonstrating how the extended tubes deliver mist to plants inside.

3.2 Assembling the Extended Tubes

1. Connect the desired combination of short and long straight pipes using the two-way, three-way, or four-way conversion adapters to achieve the required length and distribution.
2. Attach the flexible hoses to the ends of the pipe assembly.
3. Secure the quad directional nozzle to the end of the flexible hoses for optimal mist spread.
4. Use the hanging ropes to suspend the tubes within your grow tent or desired area, ensuring even mist distribution.

3.3 Filling the Water Tank

The humidifier features a convenient top-fill design and a split structure for easy refilling and cleaning.

SPLIT DESIGN

- Two Ways to Add Water



- Easy to Clean



Image 3.2: Two methods for adding water to the humidifier: direct top-fill or by detaching the top section for easier access.

1. Ensure the humidifier is unplugged before filling.
2. **Method 1 (Direct Top-Fill):** Open the top cover and pour clean water directly into the tank.
3. **Method 2 (Split Design):** Remove the top section of the humidifier to access the water tank directly. Fill the tank with clean water.
4. Do not exceed the 'MAX' water level indicator.
5. Replace the top cover securely after filling.

3.4 Connecting the Humidity Sensor

Plug the humidity sensor into its designated port on the humidifier. Position the sensor within the area you wish to monitor and humidify to ensure accurate readings and effective control.



Image 3.3: The humidity sensor probe connected to the humidifier, which also features wheels for mobility.

4. OPERATING INSTRUCTIONS

The humidifier features a user-friendly control panel for easy operation.



Image 4.1: Detailed view of the control panel, highlighting the digital display, mist level controls, timer, and humidity settings.

4.1 Power On/Off

- Press the **On/Off** button to turn the humidifier on or off.

4.2 Adjusting Mist Levels

- The humidifier offers 4 levels of mist output. Press the **Mist** button repeatedly to cycle through the different mist intensity settings.

4.3 Setting Desired Humidity

- Press the **Humidity** button to set your desired humidity level. The humidity can be adjusted in 5% increments from 35% to 95%. The humidifier will automatically maintain the set humidity.

4.4 Using the Timer Function

- Press the **Timer** button to set an operating duration from 1 to 12 hours. The humidifier will automatically turn

off once the set time has elapsed.

4.5 Sleep Mode

- The humidifier features a sleep mode for quiet operation. The screen automatically shuts off after 30 seconds of inactivity.

5. MAINTENANCE

5.1 Cleaning the Humidifier

Regular cleaning is essential for optimal performance and longevity of your humidifier. The split design facilitates easy cleaning.



Image 5.1: The humidifier's split design allows for easy access to the water tank and internal components for thorough cleaning.

1. Unplug the humidifier from the power outlet.
2. Remove the top section and empty any remaining water from the tank and base.
3. Wipe down the inside of the water tank and base with a soft cloth and mild detergent. Rinse thoroughly to

remove any residue.

4. Clean the ultrasonic transducer (the small disc in the base) gently with a soft brush to remove mineral buildup. Do not use abrasive materials.
5. Allow all parts to air dry completely before reassembling.

5.2 Water Shortage Alarm

The humidifier is equipped with a water shortage alarm. When the water level is too low, the unit will indicate a water shortage, prompting you to refill the tank. This feature helps prevent damage to the unit.

6. TROUBLESHOOTING

If you encounter issues with your Spider Farmer 16L Humidifier, please refer to the following common problems and solutions:

- **No Mist Output:**

- Check if the power cord is securely plugged in.
- Ensure there is enough water in the tank. Refill if necessary.
- Clean the ultrasonic transducer for any mineral buildup.

- **Weak Mist Output:**

- Increase the mist level setting.
- Clean the ultrasonic transducer and mist outlet.

- **Unusual Odor:**

- Empty and clean the water tank thoroughly.
- Use fresh, clean water.

- **Humidity Reading Inaccurate:**

- Ensure the humidity sensor probe is placed correctly and not obstructed.
- Avoid placing the humidifier directly next to a heat source or in direct sunlight.

If the problem persists after attempting these solutions, please contact customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	SPIDER FARMER
Model	Spider Farmer 16L Humidificateur
Color	Black
Product Dimensions	24 x 24 x 63 cm (9.4 x 9.4 x 24.8 inches)
Item Weight	5 kg (11 lbs)
Wattage	90 watts

Voltage	100 Volts
Auto Shut-off	Yes
Autonomy	Up to 12 hours (on highest setting), longer on lower settings
Special Features	Adjustable Humidity Control, Timer, Extended Tubes, Wheels
Operating Mode	Manual

8. WARRANTY AND SUPPORT

Spider Farmer provides a **1-year quality warranty** for this product. We are committed to ensuring customer satisfaction.

If you have any questions, concerns, or require assistance with your humidifier, please do not hesitate to contact our customer service team. We aim to respond to all inquiries within 24 hours to help resolve any issues you may encounter.

For support, please visit the [SPIDER FARMER Store on Amazon](#) or refer to the contact information provided in your product packaging.

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