MARS HYDRO 15L

MARS HYDRO 15L Ultrasonic Humidifier User Manual

Model: 15L

1. Introduction

Thank you for choosing the MARS HYDRO 15L Ultrasonic Humidifier. This device is designed to provide precise and consistent humidity control for various indoor environments, including grow tents, plant cultivation areas, and bedrooms. Its large capacity, quiet operation, and intelligent features make it an ideal solution for maintaining optimal humidity levels.

This manual provides essential information for the safe and efficient operation of your humidifier. Please read it thoroughly before use and keep it for future reference.

2. Safety Instructions

To ensure safe operation and prevent damage, please observe the following safety precautions:

- Always place the humidifier on a stable, flat, and water-resistant surface.
- Do not place the unit near heat sources, direct sunlight, or in areas with excessive humidity.
- Ensure the power cord is not damaged, pinched, or placed under heavy objects.
- Only use distilled or demineralized water to prevent mineral buildup and ensure optimal performance.
- Do not immerse the main unit in water or other liquids.
- Unplug the humidifier from the power outlet before filling, cleaning, or performing any maintenance.
- Keep out of reach of children and pets.
- Do not block the mist outlet or air intake vents.
- If the unit emits unusual sounds, smells, or smoke, immediately unplug it and contact customer support.

3. Product Overview

3.1 Components

The MARS HYDRO 15L Ultrasonic Humidifier package includes the following components:

- Humidifier Unit
- Flexible Long Hoses (x2)
- Flexible Short Hoses (x4)
- Long Straight Pipe (x1)
- Short Straight Pipes (x4)
- 4-Way Nozzle (x1)
- 3-Way Nozzle (x1)
- 2-Way Nozzle (x1)
- Quad-Directional Nozzle (x1)
- Remote Control (x1)
- Sensor Probe (x1)
- Cleaning and Fastening Kit (x1)
- Power Cable



Figure 3.1: Humidifier unit and all included accessories, including various nozzles, hoses, remote control, and sensor probe.



Figure 3.2: Detailed view of the packaging list, showing each component and its quantity.

3.2 Features

- **Timed Constant Humidification:** Built-in 12-hour timer function with 1-4 mist level settings. Humidity can be adjusted from 35% to 95%.
- **Precise Monitoring with Sensor Probe:** Accurately monitors temperature and humidity with the included external sensor probe, providing real-time environmental data.
- **Large Water Tank Capacity:** Features a 15-liter tank, allowing up to 29 hours of continuous mist output, reducing the need for frequent refills.
- **Quiet and Light-Free Operation:** Operates quietly with a noise level below 40 decibels. The remote control allows the screen light to be turned off, ensuring no light interference.
- **User-Friendly, Movable Design:** Equipped with bottom wheels and side handles for easy movement and positioning.

4. Setup

Follow these steps to set up your MARS HYDRO 15L Ultrasonic Humidifier:

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Positioning:** Place the humidifier on a flat, stable surface. For grow tents, it is recommended to place the unit outside the tent for easier refilling and maintenance.
3. **Assemble Hoses and Nozzles:** Connect the flexible hoses and desired nozzles (2-way, 3-way, 4-way, or quad-directional) to the top mist outlet. Ensure a secure fit. You can use the long straight pipe for extended reach.
4. **Connect Sensor Probe:** Plug the sensor probe into the designated port on the humidifier. Position the probe within your desired humidification area (e.g., inside the grow tent) to ensure accurate readings.
5. **Fill Water Tank:** Open the top-fill lid and carefully pour distilled or demineralized water into the 15-liter tank. Do not exceed the maximum fill line.
6. **Connect Power:** Plug the power cable into the humidifier and then into a suitable electrical outlet.



Figure 4.1: The humidifier positioned outside a grow tent, with the flexible hose extending inside for optimal humidity distribution.



Figure 4.2: Illustration of the humidifier's flexible hose and quad-directional nozzle, providing comprehensive humidity control within the cultivation area.

5. Operating Instructions

The humidifier can be operated using the control panel on the unit or the included remote control.

5.1 Control Panel and Remote Control

The control panel features touch buttons for On/Off, Timer, Mist Level, and Humidity Setting. The remote control provides convenient access to all functions from a distance.



Figure 5.1: The humidifier's display showing time and humidity settings, with the external sensor probe for precise monitoring.

5.2 Power On/Off

- Press the **On/Off** button on the control panel or remote control to turn the unit on or off.

5.3 Setting Humidity Level

- Press the **Humidity** button to cycle through desired humidity levels from 35% to 95% in 5% increments. The unit will automatically maintain the set humidity.

5.4 Adjusting Mist Output

- Press the **Mist** button to select one of the 4 mist output levels.

5.5 Timer Function

- Press the **Timer** button to set the operating time from 1 to 12 hours. The humidifier will automatically turn off after the set time.

5.6 Screen Light Control

- The screen light can be turned off via the remote control to ensure a dark environment, especially useful for grow tents. The humidifier will continue to operate according to the set parameters.



Figure 5.2: The humidifier providing mist in a dark grow room, demonstrating its light-free operation feature.

6. Maintenance

Regular cleaning and maintenance are crucial for the longevity and optimal performance of your humidifier.

6.1 Daily Maintenance

- Always unplug the unit before refilling.
- Refill with fresh distilled or demineralized water daily.

6.2 Weekly Cleaning

- **Unplug the Unit:** Ensure the humidifier is unplugged from the power outlet.
- **Empty Water Tank:** Drain any remaining water from the tank.
- **Clean Tank:** Use a soft brush or cloth and a mild detergent to clean the inside of the water tank. Rinse

thoroughly with clean water.

- **Clean Transducer:** Gently wipe the ultrasonic transducer (the small disc inside the base) with a soft cloth. Do not use abrasive materials or sharp objects.
- **Clean Sensor Probe:** Wipe the sensor probe with a damp cloth to remove any dust or residue.
- **Air Dry:** Allow all parts to air dry completely before reassembling and refilling.

Note: Using tap water may lead to mineral buildup (white dust) which can affect performance and hygiene. Regular cleaning with a descaling solution (e.g., vinegar and water) may be necessary if mineral buildup occurs.

7. Troubleshooting

If you encounter issues with your humidifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No mist output	Low water level Mineral buildup on transducer Unit not powered on	Refill water tank Clean the transducer Ensure power cable is connected and unit is turned on
Incorrect humidity readings	Sensor probe dirty or obstructed Sensor probe not positioned correctly	Clean the sensor probe Ensure sensor probe is in the desired monitoring area and not blocked
Unusual noise	Unit not on a flat surface Water tank not seated correctly Foreign object inside	Place on a flat, stable surface Reseat the water tank Unplug and check for foreign objects
Error messages on display	Internal malfunction or sensor issue	Unplug the unit for 5 minutes and plug back in. If error persists, contact customer support.

If the problem persists after attempting these solutions, please contact MARS HYDRO customer support for assistance.

8. Specifications

Feature	Specification
Capacity	15 Liters
Voltage	AC100-240V
Power	100W
Noise Level	<40dB(A)
Frequency	50Hz/60Hz
Timer Range	1-12 Hours

Feature	Specification
Max Mist Output	1600ml/h
Humidity Range	35%-95%
Coverage Area	Up to 861 sq ft
Dimensions (L x W x H)	30cm x 23cm x 58cm
Weight	5.1 kg



Figure 8.1: Visual representation of the humidifier's key specifications and dimensions.

9. Warranty and Support

MARS HYDRO provides a worry-free warranty and dedicated customer support for all its products.

- **24-Hour Fast Service:** Our service team is available to provide prompt assistance to all customers.

- **Technical Support:** Comprehensive technical support is available for any operational or troubleshooting needs.

For warranty claims, technical assistance, or any other inquiries, please contact MARS HYDRO customer support through the official website or your purchase platform. Please have your model number and purchase details ready when contacting support.

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