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MARS HYDRO TS1000 / 32x32x63 Grow Tent Kit

MARS HYDRO 3x3 Grow Tent Kit Instruction Manual

MODEL: TS1000 / 32"x32"x63" GROW TENT KIT

Brand: MARS HYDRO

Product Overview

The MARS HYDRO 3x3 Grow Tent Kit is a complete indoor growing solution designed for efficient plant cultivation. This comprehensive system includes a high-quality grow tent, a powerful LED grow light, an efficient ventilation system, a plant humidifier, and various essential accessories to create an optimal growing environment.

Kit Components:

- TS1000 LED Grow Light
- 32"x32"x63" Grow Tent (1680D High Reflective Mylar)
- 5L Plant Humidifier
- 4-inch 205 CFM Inline Fan with Speed Controller
- Carbon Filter
- 25ft Ducting
- 6-inch Clip Fan
- Grow Room Glasses
- Elastic Trellis Netting
- 2pcs Vent Covers
- 3pcs Stainless Clamps
- 4pcs Grow Bags
- Timer
- Humidity Thermometer
- Pruning Shear
- 2pcs Corner Shelf
- 2pcs Rope Hangers



Figure 1: Complete MARS HYDRO 3x3 Grow Tent Kit showing all included components.

Setup Instructions

Follow these steps to properly set up your MARS HYDRO Grow Tent Kit.

1. Grow Tent Assembly

- Assemble the Frame:** Connect the metal poles according to the included diagram to form the base, sides, and roof of the tent frame. Ensure all connections are secure.

- 2. Attach the Fabric:** Carefully pull the tent fabric over the assembled frame. Start from the bottom and work your way up, ensuring the zippers are aligned.
- 3. Secure the Fabric:** Zip up the tent completely. Ensure there are no gaps or light leaks.



Figure 2: Exploded view of the grow tent components, illustrating the frame and fabric.

2. LED Grow Light Installation (TS1000)

- 1. Attach Rope Hangers:** Securely attach the provided rope hangers to the top corners of the TS1000 LED grow light.
- 2. Mount the Light:** Hang the light inside the tent from the top crossbars using the rope hangers. Adjust the height as needed for your plants' growth stage.
- 3. Connect Power:** Plug the power cord into the LED light and then into a grounded power outlet or timer.



Figure 3: The TS1000 LED grow light, ready for installation.

3. Ventilation System Setup

- 1. Install Inline Fan:** Hang the 4-inch inline fan inside the tent using the provided straps or hangers. Position it near an exhaust port.
- 2. Connect Carbon Filter:** Attach one end of the 25ft ducting to the carbon filter and the other end to the intake side of the inline fan. Use stainless clamps to secure connections.
- 3. Connect Exhaust Ducting:** Attach another section of ducting to the exhaust side of the inline fan and route it out of the tent through an exhaust port.
- 4. Connect Speed Controller:** Plug the inline fan into the speed controller, and then plug the speed controller into a power outlet.

ADJUSTABLE ULTRASONIC COOL MIST

4 Levels of mist control to the ideal humidity

 Level 1--155mL/h  Level 2--340mL/h  Level 3--470mL/h  Level 4--580mL/h



Figure 4: The 4-inch inline fan and carbon filter, essential for air purification and circulation.

4. Humidifier Setup

- Place Humidifier:** Position the 5L plant humidifier on a stable, flat surface inside the grow tent, away from direct water splashes.
- Fill Water Tank:** Remove the water tank, fill it with distilled or purified water, and place it back onto the base.
- Connect Power:** Plug the humidifier into a power outlet.

AUTOMATIC HUMIDIFICATION PRECISE DETECTION



Figure 5: The 5L plant humidifier, showing its main unit, remote control, and mist output hose.

5. Accessory Placement

- Clip Fan:** Attach the 6-inch clip fan to a tent pole to provide air circulation within the canopy.
- Humidity Thermometer:** Place the thermometer at plant level to monitor temperature and humidity.
- Grow Bags:** Fill the grow bags with your preferred growing medium and place your plants inside.
- Trellis Netting:** Install the elastic trellis netting above your plants for support as they grow.

Operating Instructions

Learn how to operate the various components of your grow tent kit for optimal performance.

1. LED Grow Light Operation

- Power On/Off:** Use the power switch on the light or connect it to a timer for automated cycles.
- Dimming Function:** The TS1000 features a dimming knob (0-100%) to adjust light intensity. Rotate the knob to

increase or decrease brightness. This allows for energy saving and adaptation to different plant growth stages.

POWERFUL & EFFICIENCY EC MOTOR

4 inch inline fan with a fan speed of 3000 RPM for an air flow of 205 CFM. It uses an EC motor, which has a longer service life compared to an ACmotor, and is safer to operate with low noise level.



Figure 6: Detail of the TS1000 LED light's dimming knob and control ports.

2. Ventilation System Operation

- **Adjust Fan Speed:** Use the speed controller to adjust the inline fan's RPM from 0 to 100%. This controls the airflow (up to 205 CFM) and helps manage temperature and humidity.
- **Airflow Management:** Ensure proper air exchange to remove stale air, excess heat, and odors. The carbon filter effectively removes impurities.

TOUCH & REMOTE CONTROL

Intuitive interface, Easy operation, User-friendly



Figure 7: Internal view of the inline fan, highlighting its efficient EC motor and low noise operation (26.8 dB).

3. Humidifier Operation

- **Power On/Off:** Press the power button on the humidifier or use the remote control.
- **Adjust Humidity Levels:** Use the control panel or remote to set desired humidity levels (35%-95%). The humidifier will automatically maintain this level.
- **Mist Output:** Select from 4 levels of mist output (155mL/h to 580mL/h) to achieve the ideal humidity.
- **Timer Function:** Set the humidifier to operate for a specific duration (1-12 hours) using the timer function.

LASTING NOURISHMENT ON A SINGLE FILL

32H(MAX)

5L

269FT²

Figure 8: The humidifier's intuitive touch control panel and remote control for easy operation.

DIMMING OPERATION

Effortlessly save energy by adjusting light intensity with the dimming knob



Figure 9: Visual representation of the four adjustable mist output levels of the humidifier.

Maintenance

Regular maintenance ensures the longevity and efficiency of your grow tent kit.

- **Grow Tent Cleaning:** Periodically wipe down the interior mylar lining with a damp cloth to remove dust and debris. Ensure the tent is dry before zipping it up.
- **LED Light Cleaning:** Gently wipe the LED board and reflector with a soft, dry cloth to remove any dust. Do not use liquid cleaners.
- **Carbon Filter Replacement:** The carbon filter's effectiveness diminishes over time. Replace it every 6-12 months depending on usage and air quality.
- **Humidifier Cleaning:** Clean the water tank and base regularly to prevent mineral buildup and mold growth. Refer to the humidifier's specific manual for detailed cleaning instructions. Refill with fresh, clean water as needed.

Troubleshooting

Here are solutions to common issues you might encounter.

Problem	Possible Cause	Solution
LED Light Not Turning On	Loose power connection, faulty outlet, light switch off, timer issue.	Check all power connections. Test the outlet with another device. Ensure the light's power switch is on. Verify timer settings.
Fan Not Operating	Power disconnected, speed controller off/faulty, fan motor issue.	Ensure fan and speed controller are plugged in. Adjust speed controller. Check for obstructions in the fan blades.
Humidity Too Low/High	Humidifier settings incorrect, water tank empty, tent ventilation too high/low.	Adjust humidifier settings. Refill water tank. Adjust inline fan speed to control air exchange.
Unpleasant Odors	Carbon filter saturated, insufficient ventilation.	Replace carbon filter. Increase inline fan speed to improve air exchange.

Specifications

Component	Specification
Grow Tent Dimensions	32"L x 32"W x 63"H
Grow Tent Material (Inner)	1680D Diamond Mylar (High Reflective)
Grow Tent Material (Outer)	Polyester
Grow Tent Frame Material	Metal (0.8mm thickness)
LED Grow Light Model	TS1000
LED Grow Light Wattage	150W (with 354 LEDs)
Humidifier Capacity	5 Liters
Inline Fan Size	4 inch
Inline Fan Airflow	205 CFM
Inline Fan Noise Level	26.8 dB

Warranty and Support

MARS HYDRO products typically come with a manufacturer's warranty. Please refer to the official MARS HYDRO website or the warranty card included with your purchase for specific warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact MARS HYDRO customer service directly. Contact information can usually be found on their official website or on the product packaging.

Website: www.mars-hydro.com (Please verify the most current contact information on their official site.)

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