

## Drive Medical HUM 001

# Drive Medical Humidifier Bottle (0-15 LPM)

## Instruction Manual

### 1. INTRODUCTION

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This manual provides essential instructions for the safe and effective use, maintenance, and troubleshooting of your Drive Medical Humidifier Bottle (Model HUM 001). Please read this manual thoroughly before initial use and retain it for future reference. This humidifier bottle is designed to provide humidification for oxygen therapy at flow rates from 0 to 15 liters per minute (LPM).

### 2. SAFETY INFORMATION

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- Always use distilled or sterile water to fill the humidifier bottle. Tap water may contain minerals that can damage the device or be inhaled.
- Do not overfill the bottle. Ensure the water level is between the MIN and MAX fill lines.
- Ensure all connections are secure to prevent leaks and maintain proper humidification.
- Regularly inspect the bottle for cracks, damage, or wear. Replace immediately if any damage is observed.
- Keep the humidifier bottle clean to prevent bacterial growth. Refer to the 'Maintenance' section for cleaning instructions.
- This device is intended for use with medical oxygen systems. Consult your healthcare provider for proper oxygen therapy settings.

### 3. PACKAGE CONTENTS

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Verify that the following items are included in your package:

- Drive Medical Humidifier Bottle (Model HUM 001)
- Instruction Manual (this document)

## 4. SETUP

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1. **Unpack the Humidifier Bottle:** Carefully remove the humidifier bottle from its packaging. Inspect for any visible damage.
2. **Fill with Water:** Unscrew the lid from the bottle. Fill the bottle with distilled or sterile water up to the indicated MAX fill line. Do not exceed this line.
3. **Secure the Lid:** Screw the lid back onto the bottle. The multi-threaded design ensures a secure, leak-proof fit. Hand-tighten only; do not overtighten.
4. **Connect to Oxygen Source:** Attach the humidifier bottle to your oxygen flowmeter or concentrator's humidifier outlet. Ensure the connection is firm and airtight.
5. **Connect Oxygen Tubing:** Attach your oxygen delivery tubing (e.g., nasal cannula) to the outlet port on the humidifier bottle lid.





Image 1: Drive Medical Humidifier Bottle. This image shows the clear bottle with a green and yellow lid, illustrating the overall design and connection points for oxygen tubing.

## 5. OPERATING INSTRUCTIONS

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1. **Initiate Oxygen Flow:** Turn on your oxygen flowmeter or concentrator to the prescribed setting (0-15 LPM).
2. **Verify Humidification:** Observe the water in the bottle. Bubbles should be visible, indicating that oxygen is passing through the water and being humidified.
3. **Monitor Water Level:** Regularly check the water level in the bottle. Refill with distilled or sterile water as needed, ensuring it remains between the MIN and MAX lines.
4. **Back Pressure Alarm:** The humidifier bottle is equipped with an audible back pressure alarm that activates at 6 psi (pounds per square inch). If the alarm sounds, it indicates a blockage or excessive pressure in the system. Immediately check for kinks in the tubing, obstructions, or incorrect flowmeter settings.

## 6. MAINTENANCE

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Proper maintenance is crucial for the longevity and hygienic operation of your humidifier bottle.

### Daily Cleaning:

- Disconnect the humidifier bottle from the oxygen source and tubing.

- Empty any remaining water.
- Wash the bottle and lid thoroughly with warm water and a mild dish soap.
- Rinse all components completely with clean water to remove any soap residue.
- Allow all parts to air dry completely before reassembly or storage.

### Weekly Disinfection (or as recommended by your healthcare provider):

- After daily cleaning, soak the bottle and lid in a solution of one part white vinegar to three parts distilled water for 30 minutes.
- Alternatively, use a commercially available medical equipment disinfectant solution, following the manufacturer's instructions.
- Rinse all components thoroughly with sterile water after disinfection.
- Allow all parts to air dry completely before reassembly.

**Note:** Do not use harsh chemicals, abrasive cleaners, or boiling water, as these can damage the plastic components.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Water leaking from bottle or connections	Lid not tightened properly; connections loose; bottle cracked; overfilled.	Ensure lid is securely hand-tightened. Check all tubing connections. Inspect bottle for cracks; replace if damaged. Do not overfill.
Audible back pressure alarm sounds	Oxygen tubing kinked or blocked; excessive oxygen flow rate; humidifier bottle outlet blocked.	Check and straighten oxygen tubing. Ensure flow rate is within 0-15 LPM. Inspect humidifier outlet for obstructions.
No bubbles in water / No humidification	No water in bottle; oxygen flow not initiated; connections loose; diffuser blocked.	Fill bottle with water. Ensure oxygen flowmeter is on. Tighten all connections. Clean diffuser if blocked (refer to Maintenance).
Unpleasant odor from bottle	Insufficient cleaning; bacterial growth.	Perform thorough daily and weekly cleaning/disinfection as per 'Maintenance' section. Use distilled water.

## 8. SPECIFICATIONS

- **Model Name:** HUM 001
- **Brand:** Drive Medical
- **Oxygen Flow Rate Capacity:** 0-15 Liters Per Minute (LPM)
- **Special Feature:** Leakproof design, Audible back pressure alarm (activates at 6 psi)
- **Operation Mode:** Manual
- **Item Weight:** Approximately 0.1 Kilograms (3.52 ounces)
- **Package Dimensions:** 7.4 x 5.94 x 3.74 inches
- **UPC:** 822383116488
- **GTIN:** 822383116488

- **Material:** Durable plastic (no aluminum fitting in stem)

## 9. WARRANTY INFORMATION

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Warranty information for the Drive Medical Humidifier Bottle (Model HUM 001) is typically provided with the product packaging or can be found on the official Drive Medical website. Please refer to these resources for details regarding warranty coverage, terms, and conditions.

## 10. SUPPORT AND CONTACT INFORMATION

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For technical support, replacement parts, or further assistance, please contact Drive Medical customer service. You can find their contact information, including phone numbers and website, on the product packaging or by visiting the official Drive Medical website:

[www.drivemedical.com](http://www.drivemedical.com)