

yuwell 407A

Yuwell 407A / 403H Heavy Duty-Piston Compressor Nebulizer Instruction Manual

Brand: Yuwell | **Models:** 407A, 403H

1. INTRODUCTION

The Yuwell 407A and 403H are heavy-duty piston compressor nebulizers designed for efficient medication delivery to the respiratory system. These models are suitable for continuous utilization in various settings, including hospitals and clinics, as well as home use under medical supervision. They feature a powerful, oil-free, and silent compressor that ensures high airflow for effective nebulization.

Key features include:

- Nebulization pressure of 150 KPA and free air flow greater than 10 LPM.
- Median particle size of 3.9 microns, with over 65 percent of particles less than 5 microns, ensuring effective medication delivery to the lungs.
- Supports continuous operation for extended treatment sessions.

2. PRODUCT COMPONENTS

The Yuwell 407A/403H Nebulizer package typically includes the following items:

- Main Unit (Compressor)
- Nebulization Chamber (Medication Cup)
- Air Tubing
- Adult Mask
- Child Mask
- Mouth Piece
- Spare Air Filter



Figure 2.1: Yuwell 407A/403H Nebulizer with the nebulization chamber, tubing, and mouthpiece assembled, ready for use.

3. SETUP INSTRUCTIONS

3.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect the nebulizer unit and all accessories for any signs of damage. If any damage is found, do not use the device and contact your supplier.
3. Ensure all listed components are present.

3.2 Assembly

1. Place the main compressor unit on a stable, flat surface. Ensure adequate ventilation around the unit.
2. Connect one end of the air tubing to the air outlet connector on the main unit. The air outlet is typically labeled "OUTLET" or has a corresponding symbol.
3. Connect the other end of the air tubing to the base of the nebulization chamber.
4. Attach the desired accessory (mouthpiece, adult mask, or child mask) to the top of the nebulization chamber.



Figure 3.1: The main Yuwell 407A/403H Nebulizer compressor unit, showing the air outlet and filter cap.

4. OPERATING INSTRUCTIONS

4.1 Preparing Medication

1. Ensure your hands are clean before handling medication and the nebulizer chamber.
2. Open the nebulization chamber and pour the prescribed amount of medication into it. Always follow your doctor's instructions regarding medication type and dosage.
3. Securely close the nebulization chamber.

4.2 Starting Nebulization

1. Plug the power cord of the compressor unit into a suitable electrical outlet.
2. Press the power switch to turn on the unit. You should hear the compressor operating and see mist being generated from the nebulization chamber.
3. Place the mouthpiece in your mouth, or fit the mask snugly over your nose and mouth.
4. Breathe normally and deeply until all the medication has been nebulized. This typically takes 5-15 minutes, depending on the medication volume and nebulizer performance.

4.3 After Use

1. Once nebulization is complete, turn off the power switch and unplug the unit from the electrical outlet.
2. Disconnect the air tubing from both the compressor and the nebulization chamber.
3. Disassemble the nebulization chamber and clean all reusable components as described in the Maintenance section.

5. MAINTENANCE

Regular cleaning and maintenance are crucial for the proper functioning and longevity of your nebulizer. Always unplug the unit before cleaning.

5.1 Cleaning the Nebulizer Kit (Chamber, Mouthpiece, Masks, Tubing)

1. After each use, disassemble the nebulization chamber, mouthpiece, and mask.
2. Wash these components thoroughly with warm water and a mild detergent.
3. Rinse them completely under running water to remove all soap residue.
4. For disinfection, soak the components in a solution of one part white vinegar to two parts distilled water for 30 minutes, or use a medical disinfectant as recommended by your physician.
5. Rinse again with sterile water and allow them to air dry completely on a clean paper towel before storing or next use. Do not towel dry.
6. The air tubing does not typically require cleaning unless it becomes visibly soiled. If cleaning is necessary, follow the same steps and ensure it is completely dry before reattaching.

5.2 Cleaning the Compressor Unit

1. Wipe the exterior of the compressor unit with a clean, damp cloth.
2. Do not immerse the compressor unit in water or spray liquids directly onto it.

5.3 Replacing the Air Filter

1. The air filter should be checked regularly and replaced every 30 days of use, or sooner if it appears discolored or clogged.
2. Locate the filter cap on the side of the compressor unit (refer to Figure 3.1).
3. Remove the filter cap and pull out the old filter.
4. Insert a new, clean air filter into the filter compartment.
5. Replace the filter cap securely.
6. Only use Yuwell-approved replacement filters.

6. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Unit does not turn on.	Power cord not properly plugged in. No power from outlet.	Ensure power cord is securely plugged into a working outlet. Check the power switch.
No mist or very little mist produced.	Nebulization chamber empty. Air tubing kinked or disconnected. Air filter clogged. Nebulizer chamber clogged.	Add medication to the chamber. Check air tubing for kinks or disconnections. Replace air filter. Clean or replace nebulizer chamber.
Unit is unusually noisy.	Unit not on a flat surface. Internal issue.	Place the unit on a stable, flat surface. If noise persists, contact customer support.
Medication residue in chamber after treatment.	Treatment stopped too early.	Continue treatment until all medication is nebulized. Ensure proper breathing technique.

7. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Numbers	407A, 403H
Nebulization Pressure	150 KPA
Free Air Flow	> 10 LPM (Liters Per Minute)
Median Particle Size	3.9 microns (> 65% particles < 5 microns)
Operation Mode	Continuous operation
Item Weight	2 kg 900 g
Package Dimensions	26.8 x 26 x 21.6 cm
Manufacturer	Jiangsu Yuyue Medical Equipment & Supply Co., Ltd.

8. WARRANTY AND SUPPORT

The Yuwell 407A/403H Nebulizer typically comes with a **1-year warranty** from the date of purchase. Please retain your purchase receipt as proof of warranty.

For warranty claims, technical support, or inquiries regarding replacement parts, please contact your authorized Yuwell dealer or the manufacturer directly. Refer to the contact information provided with your product packaging.

Manufacturer: Jiangsu Yuyue Medical Equipment & Supply Co., Ltd.