

## yuwell 405B

# yuwell 405B Compressor Nebulizer Instruction Manual

Model: 405B

## 1. INTRODUCTION

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Thank you for choosing the yuwell 405B Compressor Nebulizer. This device is designed to deliver medication in a fine mist for inhalation, targeting the upper and lower respiratory tracts. Please read this instruction manual thoroughly before use to ensure safe and effective operation. Keep this manual for future reference.

## 2. PRODUCT OVERVIEW AND COMPONENTS

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The yuwell 405B Compressor Nebulizer is a compact and efficient device for respiratory therapy. It includes the main compressor unit, nebulizer cup, air tube, mouthpiece, and masks for both adults and children.

# Silent Steady Mist & Whisper Operation

≤45dB(A)

Low noise operation



**Figure 2.1:** The yuwell 405B Compressor Nebulizer with its components, including the main unit, nebulizer cup, and tubing.

## Key Features:

- **Efficient Nebulisation:** Produces drug particles with a median diameter of 3.9 $\mu$ m, ensuring effective delivery to the lower respiratory tract.
- **Low Noise Operation:** Operates at less than 45 dB, suitable for quiet environments and nighttime use.
- **Ultra-Low Medication Residue:** Designed to minimize residual medication to approximately 0.6 ml, reducing waste.
- **Adjustable Mist Rate:** Features a rotary knob to regulate airflow and adjust the nebulization rate.
- **Compact and Lightweight:** Weighs only 220g, making it portable and energy-efficient with a 12V DC power supply.

# Clinical-Grade Efficiency & Mist Quality

**60%**

Effective particle proportion

**$\geq 0.2\text{ml/min}$**

Nebulization rate

**$3.9\mu\text{m}$**

Median particle diameter



**Figure 2.2:** Close-up of the yuwell 405B nebulizer cup, highlighting its clinical-grade efficiency with a median particle diameter of  $3.9\mu\text{m}$  and a nebulization rate of  $\geq 0.2\text{ml/min}$ .

# Highly Efficient Atomisation with Low Residue

0.6ml ultra-low residual volume



**Figure 2.3:** Diagram illustrating the highly efficient atomisation design of the yuwell 405B nebulizer cup, resulting in an ultra-low residual volume of approximately 0.6ml.

## 3. SAFETY INFORMATION

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Please observe the following safety precautions to prevent injury or damage to the device:

- Always consult your physician or a qualified healthcare professional for proper diagnosis and treatment recommendations before using this device.
- Use only medications prescribed by your doctor for nebulization.
- Do not immerse the main compressor unit in water or any other liquid.
- Keep the device out of reach of children and pets.
- Ensure the power cord is not damaged and is connected to a suitable power outlet.
- Do not block the air vents on the compressor unit during operation.
- Disconnect the power plug from the outlet immediately after use and before cleaning.
- Do not use the device in the presence of flammable gases or anesthetics.

## 4. SETUP

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Follow these steps to set up your yuwell 405B Compressor Nebulizer:

1. **Unpack:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Place the Compressor:** Place the main compressor unit on a flat, stable surface, ensuring adequate ventilation.
3. **Assemble Nebulizer Cup:** Open the nebulizer cup and ensure all internal parts (baffle, medication reservoir) are correctly seated.
4. **Connect Air Tube:** Firmly attach one end of the air tube to the air outlet connector on the compressor unit and the other end to the bottom of the nebulizer cup.
5. **Attach Mouthpiece/Mask:** Connect the desired mouthpiece or mask (adult or child) to the top of the nebulizer cup.
6. **Connect Power:** Plug the 12V DC power adapter into the compressor unit, then plug the adapter into a suitable electrical outlet.



**Figure 4.1:** The yuwell 405B Compressor Nebulizer, showing its compact design and the adjustable airflow dial for different age groups, which can be set during setup.

## 5. OPERATING INSTRUCTIONS

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Once the device is set up, follow these steps for operation:

1. **Add Medication:** Open the nebulizer cup and pour the prescribed amount of medication into the medication reservoir. Do not overfill.
2. **Close Nebulizer Cup:** Securely close the nebulizer cup to prevent leakage.
3. **Position Yourself:** Sit upright and comfortably. If using a mask, ensure it fits snugly over your nose and mouth. If using a mouthpiece, place it between your teeth and seal your lips around it.
4. **Turn On:** Press the power button on the compressor unit to start the nebulization. You should see a fine mist being produced.
5. **Adjust Mist Rate:** If your model has an adjustable mist rate dial, rotate it to achieve the desired airflow and mist intensity as recommended by your physician.
6. **Inhale:** Breathe slowly and deeply through your mouth until all the medication has been nebulized. This typically takes 5-15 minutes, depending on the medication volume and mist rate.
7. **Turn Off:** Once the medication is fully nebulized and no more mist is visible, turn off the compressor unit and disconnect it from the power outlet.

## Using Skin-friendly and Odourless Mask

Made of PP, comes with two types of mask to meet the needs of your family



**Figure 5.1:** A child using the yuwell 405B nebulizer with a mask, demonstrating the skin-friendly and odorless mask design suitable for family use during operation.



**Figure 5.2:** The yuwell 405B Compressor Nebulizer in a bedroom setting, demonstrating its quiet operation (less than 45dB) during use.

## 6. MAINTENANCE AND CLEANING

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Proper cleaning and maintenance are crucial for the longevity and hygienic operation of your nebulizer.

### After Each Use:

1. **Disassemble:** Disconnect the air tube, mouthpiece/mask, and open the nebulizer cup.
2. **Rinse:** Rinse the nebulizer cup, mouthpiece/mask, and baffle thoroughly with warm tap water.
3. **Dry:** Shake off excess water and allow all parts to air dry completely on a clean paper towel.

### Daily/Weekly Cleaning (or as recommended by your physician):

1. **Wash:** Wash the nebulizer cup, mouthpiece/mask, and baffle in warm soapy water. Use a mild dish soap.
2. **Rinse Thoroughly:** Rinse all parts thoroughly under warm running water to remove all soap residue.
3. **Disinfect (Optional):** For additional disinfection, soak the cleaned parts in a solution of one part white vinegar to two parts distilled water for 30 minutes, or use a commercially available nebulizer disinfectant. Rinse thoroughly with sterile water afterwards.

4. **Air Dry:** Allow all parts to air dry completely before reassembling or storing.

## Compressor Unit Cleaning:

- Wipe the exterior of the compressor unit with a clean, damp cloth. Do not use abrasive cleaners or immerse the unit in water.

## Storage:

- Store the clean, dry nebulizer and its accessories in a clean, dry, dust-free place.

## 7. TROUBLESHOOTING

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If you encounter any issues with your yuwell 405B Nebulizer, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No mist produced	<ul style="list-style-type: none"><li>• Power not connected</li><li>• Air tube kinked or disconnected</li><li>• Nebulizer cup incorrectly assembled or clogged</li><li>• No medication in cup</li></ul>	<ul style="list-style-type: none"><li>• Check power connection</li><li>• Ensure air tube is securely connected and not kinked</li><li>• Disassemble, clean, and reassemble nebulizer cup</li><li>• Add prescribed medication</li></ul>
Weak mist production	<ul style="list-style-type: none"><li>• Nebulizer cup or air tube partially clogged</li><li>• Insufficient medication</li><li>• Air filter dirty (if applicable)</li></ul>	<ul style="list-style-type: none"><li>• Clean nebulizer cup and air tube thoroughly</li><li>• Ensure correct medication volume</li><li>• Refer to maintenance for air filter cleaning/replacement (if applicable)</li></ul>
Device not turning on	<ul style="list-style-type: none"><li>• Power cord disconnected</li><li>• Power outlet issue</li><li>• Device malfunction</li></ul>	<ul style="list-style-type: none"><li>• Check power cord connection to unit and outlet</li><li>• Test outlet with another appliance</li><li>• Contact customer support if problem persists</li></ul>

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

## 8. SPECIFICATIONS

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<b>Model Number</b>	405B
<b>Particle Size</b>	3.9µm (Median)
<b>Nebulization Rate</b>	≥0.2 ml/min
<b>Noise Level</b>	<45 dB(A)

<b>Residual Volume</b>	Approx. 0.6 ml
<b>Power Supply</b>	12V DC
<b>Product Dimensions</b>	4 x 4 x 8 cm
<b>Net Weight</b>	Approx. 220 g



**Figure 8.1:** The compact and lightweight yuwell 405B Compressor Nebulizer held in a hand next to a bag, emphasizing its portability and energy-efficient 12V DC power supply.

## 9. WARRANTY AND SUPPORT

yuwell provides a limited warranty for this product against defects in materials and workmanship under normal use. Please refer to the warranty card included with your purchase for specific terms and conditions, including the warranty period and coverage details.

### Customer Support:

For technical assistance, troubleshooting, or warranty claims, please contact yuwell customer support through the contact information provided on your product packaging or the official yuwell website.

