

## Omron NEB-MC-10

# Omron NEB-MC-10 Mesh Cap for Nebulizer User Manual

Model: NEB-MC-10

## 1. INTRODUCTION

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This manual provides essential instructions for the proper use, maintenance, and care of your Omron NEB-MC-10 Mesh Cap. This mesh cap is a replacement part designed for use with specific Omron nebulizer models. Please read this manual thoroughly before using the product to ensure safe and effective operation.

**Product Description:** The Omron NEB-MC-10 is a white mesh cap component for compatible Omron nebulizers. It is crucial for the proper function of the nebulizer, facilitating the conversion of liquid medication into a fine mist for inhalation.

**Compatibility:** This mesh cap is compatible with the following Omron nebulizer models:

- Omron NE-U100
- Omron NE-U150



*Figure 1: Top view of the Omron NEB-MC-10 Mesh Cap. This image shows the overall design and the central mesh component.*

## 2. SETUP AND INSTALLATION

Before installing the new mesh cap, ensure your nebulizer unit is turned off and disconnected from its power source. Always handle the mesh cap with clean hands.

1. **Remove Old Mesh Cap:** If replacing an existing mesh cap, carefully twist or pull the old cap off the nebulizer unit according to your specific nebulizer's instructions. Dispose of the old cap properly.
2. **Inspect New Mesh Cap:** Before installation, visually inspect the new NEB-MC-10 Mesh Cap for any signs of damage or manufacturing defects. Do not use if damaged.
3. **Align and Attach:** Align the new mesh cap with the designated slot on your compatible Omron nebulizer (e.g., NE-U100, NE-U150). Gently push and/or twist until it securely clicks into place. Refer to your nebulizer's main instruction manual for precise attachment details.
4. **Verify Secure Fit:** Ensure the mesh cap is firmly attached and does not wobble. A loose cap can affect nebulizer performance.



*Figure 2: Bottom view of the Omron NEB-MC-10 Mesh Cap, showing the connection points. This view helps in understanding how to align it with the nebulizer unit.*

### 3. OPERATING INSTRUCTIONS

The NEB-MC-10 Mesh Cap is an integral part of your nebulizer's medication delivery system. Once installed, its operation is directly tied to the nebulizer unit itself.

1. **Prepare Medication:** Add the prescribed amount of medication into the nebulizer's medication cup, as instructed by your healthcare professional.
2. **Assemble Nebulizer:** Ensure all other nebulizer components (e.g., mouthpiece, mask, medication cup) are correctly assembled with the mesh cap in place.
3. **Connect Power:** Connect the nebulizer to its power source.
4. **Start Nebulization:** Turn on the nebulizer unit. The mesh cap will vibrate at a high frequency, creating a fine aerosol mist from the liquid medication.
5. **Inhale Medication:** Breathe normally through the mouthpiece or mask until all medication has been nebulized.
6. **Turn Off:** Once nebulization is complete, turn off the nebulizer and disconnect it from the power source.

**Important: Always follow your healthcare provider's instructions regarding medication dosage and nebulization duration. Do not operate the nebulizer without medication or with an improperly installed mesh cap.**

## 4. CLEANING AND MAINTENANCE

Regular cleaning of the mesh cap is essential to maintain optimal performance and hygiene. Neglecting cleaning can lead to blockages and reduced nebulizer efficiency.

### 4.1 Daily Cleaning

1. **Disassemble:** After each use, remove the mesh cap from the nebulizer unit.
2. **Rinse:** Rinse the mesh cap thoroughly under warm running water for approximately 10 seconds.
3. **Shake Off Excess Water:** Gently shake off any excess water.
4. **Air Dry:** Allow the mesh cap to air dry completely in a clean, dry place before storing or next use. Do not wipe the mesh part with a cloth or tissue, as this can damage it.

### 4.2 Weekly Cleaning / Disinfection

For thorough cleaning and disinfection, perform the following steps at least once a week, or as recommended by your nebulizer's main manual:

- **Boiling Water Disinfection:** Immerse the mesh cap in boiling water for approximately 10 minutes. Ensure it is fully submerged.
- **Chemical Disinfection:** Alternatively, use a commercially available disinfectant solution suitable for medical devices. Follow the manufacturer's instructions for dilution and soaking time.
- **Rinse and Dry:** After disinfection, rinse the mesh cap thoroughly with sterile water (if available) or clean tap water, then shake off excess water and allow it to air dry completely.

**Caution: Do not use abrasive cleaners, brushes, or sharp objects to clean the mesh cap, as this can damage the delicate mesh and impair its function. Do not sterilize in a microwave oven or dishwasher unless explicitly stated in your nebulizer's main manual.**

## 5. TROUBLESHOOTING

If you experience issues with your nebulizer's performance, the mesh cap may be a contributing factor. Here are some common problems and solutions:

Problem	Possible Cause	Solution
No mist or very little mist produced.	<ul style="list-style-type: none"><li>• Mesh cap is clogged with dried medication.</li><li>• Mesh cap is not securely attached.</li><li>• Insufficient medication in the cup.</li></ul>	<ul style="list-style-type: none"><li>• Perform thorough cleaning/disinfection (Section 4.2).</li><li>• Re-attach the mesh cap securely (Section 2.3).</li><li>• Add the correct amount of medication.</li></ul>
Nebulizer makes noise but no mist.	<ul style="list-style-type: none"><li>• Mesh cap is severely clogged or damaged.</li><li>• Nebulizer unit malfunction (not related to mesh cap).</li></ul>	<ul style="list-style-type: none"><li>• Replace the mesh cap if cleaning does not resolve the issue.</li><li>• Consult your nebulizer's main manual or contact Omron customer support.</li></ul>

Problem	Possible Cause	Solution
Medication leaks from the mesh cap area.	<ul style="list-style-type: none"> <li>• Mesh cap is not properly seated.</li> <li>• Mesh cap is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure the mesh cap is securely attached (Section 2.3).</li> <li>• Replace the mesh cap.</li> </ul>

If problems persist after attempting these solutions, please refer to your main nebulizer instruction manual or contact Omron customer support.

## 6. SPECIFICATIONS

- **Model:** NEB-MC-10
- **Product Type:** Mesh Cap (Replacement Part)
- **Color:** White
- **Compatibility:** Omron NE-U100, NE-U150 Nebulizers
- **Dimensions (Approximate):** 3.15 x 2.52 x 0.94 inches (Package Dimensions)
- **Weight (Approximate):** 0.35 ounces (Package Weight)
- **Material:** (Not specified in product data, assume medical-grade plastic/metal mesh)
- **Contents:** 1 piece

*Note: Specifications are subject to change without notice for product improvement.*

## 7. WARRANTY AND CUSTOMER SUPPORT

For warranty information regarding your Omron NEB-MC-10 Mesh Cap, please refer to the warranty documentation provided with your original Omron nebulizer unit or visit the official Omron website. As a replacement part, its warranty may be covered under the main device's warranty or a separate limited warranty.

If you require further assistance, have questions about the product, or need to report a problem, please contact Omron customer support:

- **Omron Healthcare Official Website:** [www.omronhealthcare.com](http://www.omronhealthcare.com)
- Refer to your nebulizer's main manual for specific contact details for your region.

**Please have your product model number (NEB-MC-10) and, if applicable, your nebulizer's model number ready when contacting support.**