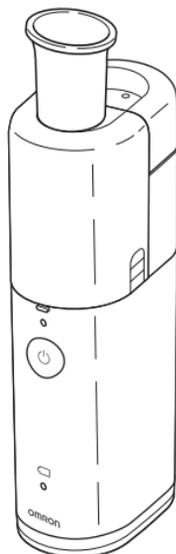


## MESH NEBULIZER

# MicroAIR U100 (NE-U100-E)



- English
- Français
- Deutsch
- Italiano
- Español
- Nederlands
- Русский
- Türkçe
- العربية

EN

FR

DE

IT

ES

NL

RU

TR

AR

**All for Healthcare**

IM-NE-U100-E-07-04/2022  
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: 2022-05-31

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Dear customer,

Thank you for purchasing the OMRON MicroAIR U100 Nebulizer.

By buying the MicroAIR U100 nebulizer, you have chosen a high-quality, innovative device.

During its development, particular attention was given to reliability, easy and convenient handling.

Before using the nebulizer for the first time, please read through this manual carefully.

If you still have any questions regarding its use, contact OMRON customer service at the address shown on the packaging or in this instruction manual. They will be pleased to assist you.

OMRON HEALTHCARE EUROPE B.V.

# Intended use

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Medical Purpose	<p>This product is intended to be used for inhaling medication for respiratory disorders.</p> <p>The main unit, its cover and optional AC adapter are intended to be multiple patient multiple use. Other items are single patient multiple use.</p>												
Intended User	<ul style="list-style-type: none"><li>• Legally certified medical experts, such as doctor, nurse and therapist, or healthcare personnel or patient under the guidance of qualified medical experts.</li><li>• The user should also be capable of understanding general operation of MicroAIR U100 and the content of instruction manual.</li></ul>												
Intended Patients	<p>This product should not be used by patients, who are unconscious or are not breathing spontaneously.</p>												
Environment	<p>This product is intended for use in a medical facility, such as Hospital, clinic and doctor's office, in a room of general household.</p>												
Durable period	<p>Durable periods are as follows, provided the product is used to nebulize a medication twice a day for 10 minutes each time at room temperature (23°C).</p> <p>Durable period may vary depending on usage environment.</p> <p>Frequent use of the product may shorten the durable period.</p> <table><tr><td>Main Unit</td><td>5 years</td></tr><tr><td>Medication Container</td><td>1 year</td></tr><tr><td>Mesh Cap</td><td>1 year</td></tr><tr><td>Mouthpiece</td><td>1 year</td></tr><tr><td>Mask (PVC)(SEBS)</td><td>1 year</td></tr><tr><td>Mask Adapter</td><td>1 year</td></tr></table>	Main Unit	5 years	Medication Container	1 year	Mesh Cap	1 year	Mouthpiece	1 year	Mask (PVC)(SEBS)	1 year	Mask Adapter	1 year
Main Unit	5 years												
Medication Container	1 year												
Mesh Cap	1 year												
Mouthpiece	1 year												
Mask (PVC)(SEBS)	1 year												
Mask Adapter	1 year												
Precautions for use	<p>Warnings and cautions described in the instruction manual should be observed.</p>												

# Important Safety Precautions

---

- This section provides information about how to use the product safely and to prevent injury to yourself and others as well as property damage.

## Keep these instructions for future reference.

 **Warning:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

### (Usage)

- For type, dose, and regime of medication, follow the instructions of your doctor or pharmacist.
- If you experience any allergic reactions or other difficulties during use, stop using the device immediately and consult your doctor.
- Keep the device out of reach of unsupervised infants and children.
- Always dispose of any remaining medication after use, and use fresh medication each time.
- This product should not be used on patients, who are unconscious or are not breathing spontaneously.
- Do not use only water in the nebulizer for inhaling purposes.
- Do not touch the vibrating element while the power is on.
- Do not use the device where it may be exposed to flammable gas.
- Do not use or store the device in a humid location such as a bathroom.
- Do not leave the device or its parts where it will be exposed to extreme temperatures or changes in humidity, such as leaving the device in a vehicle during warm or hot months, or where it will be exposed to direct sunlight.
- Do not use in anaesthetic or ventilator breathing circuits.

### (Power source)

- Do not operate the device with a damaged AC adapter.
- Plug the AC adapter into appropriate voltage outlet.
- Do not use in a multi-outlet plug.
- Never plug or unplug the AC adapter with wet hands.

# Important Safety Precautions

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## (Cleaning and disinfecting)

- Clean and disinfect the product's parts before using the product for the first time, after the product has not been used for an extended period of time and when parts are contaminated.
- Clean product parts after each use and disinfect product parts once a week during normal use.
- When the product is being used by different people, clean and disinfect the product's parts after each person's use.
- Follow the disinfectant manufacturer's instructions and make sure there is no disinfectant left on the product after disinfecting it.
- Allow the product's parts to dry after cleaning and disinfecting before reassembling the product and store in a clean location so that the product will not become contaminated.
- Do not immerse the main unit (except the vibrating element and the area around the vibrating element) and the AC adapter in water or other liquid.
- Do not spill water or medication on the main unit and the AC adapter.

**⚠ Caution:** Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury or physical damage.

## (Usage)

- Close supervision should be provided by a parent or caregiver when this device is used by, on, or near children or disabled individuals.
- To avoid the medication residue on the face, be sure to wipe the face after removing the mask.
- Do not get nebulized medication in your eyes.
- Do not operate the nebulizer with the medication container empty.
- Approved for human use only.
- Use only OMRON original and optional accessories specified for this device.
- Do not add more than 10 ml of medication to the medication container.
- Do not subject the device to any strong shocks such as dropping on the floor.
- Do not cover the main unit with a blanket, towel, or any other type of cover during use.
- Do not disassemble or attempt to repair the main unit or AC adapter.
- Do not poke the mesh with a cotton swab or a pin.
- While using this device, make sure that no mobile phone or any other electrical devices that emit electromagnetic fields is within 30cm. This may result in degradation of performance of the device.
- Accessories such as masks and mouthpiece are intended for use by a single patient. Do not use by multiple patients; Use separate accessories for each patient.

# Important Safety Precautions

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## **(Power source)**

- Use only the original AC adapter.
- Fully insert the power plug into the outlet.
- Wipe the dust off from the power plug.
- When handling the AC adapter, take care not to do the following:
  - Do not damage. Do not break it.
  - Do not tamper with it. Do not forcibly bend or pull.
  - Do not twist. Do not bundle during use.
  - Do not pinch. Do not place under heavy objects.
- Do not use extension cords. Plug the power cord directly into the outlet.
- When disconnecting the power plug from the outlet, do not pull the power cord. Be sure to pull from the power plug safely.
- Unplug the product if it will not be used for an extended period of time.
- Always remove the AC adapter from the device after use and before cleaning.
- Replace old batteries with new ones immediately. Replace both batteries at the same time.
- Remove the batteries if the unit will not be used for three months or more.
- Do not use different types of batteries together.
- Do not use new and used batteries together.
- Do not use lithium batteries.

## **(Cleaning and disinfecting)**

- Do not use a microwave oven to boil or dry parts.
- Do not use a hair dryer to dry parts.
- Do not use a dishwasher to wash or dry parts.
- Do not leave the cleaning solution in the nebulizer parts. Rinse the nebulizer parts with clean tap water after disinfecting.
- Store the device and the components in a clean, safe location.

## **General Safety Precautions**

- Do not use the product for any purpose other than inhalation.
- Never clean with benzene or thinner.

# Features and benefits

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In the MicroAIR U100, aerosol is generated by pushing liquid medication through fine holes in the metal alloy mesh. This is realised by a titanium vibrating element, oscillating at high frequency.

## **True portable, pocket size**

The device will fit in any handbag or briefcase. Running up to approx. 4 hours on just two AA/LR6 batteries, your medication is always within reach wherever you go, whatever you do.

## **Inhalation is possible at various angles**

The device enables inhalation at various angles with stable nebulization. Therefore the device can be used even while in bed or can be used for a baby/child, laying in the arms of the care-taker.

EN

## **Soundless operation**

The soundless operation of the device enables discreet use.

No loud frightening noises, meaning calm treatment even while using it on a sleeping child.

## **Simple one-button operation**

## **Wide medication compliance**

## **Easy to assemble, simple preparation**

# Contents of the OMRON MicroAIR U100 package

The following items are contained in the package:

Main Unit Cover



Main Unit\*



Medication Container\*



Mesh Cap\*



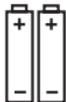
Mask Adapter\*



Mouthpiece\*



Batteries  
(2x AA/LR6)



Child Mask (PVC)\*



Adult Mask (PVC)\*



- Soft Pouch
- Instruction Manual
- Quick Setup Guide

\* These parts comply with EN ISO 27427:2019

# Names and functions of the parts

## Mesh Cap

Contains metal alloy mesh for nebulization.



### Mesh

Nebulized medication exits here through minute pores.

## Medication container



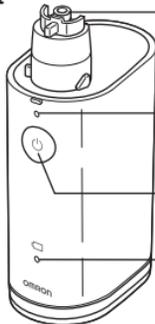
### Air opening

Stabilizes nebulization.

### Medication container lid release button

Medication container can be opened when the buttons on both sides are pressed.

## Main unit



### Vibrating element

The tip of this vibrating element oscillates at high frequency and pushes the medication through the pores of the mesh.

### Power indicator

A green light turns on when the power is on.

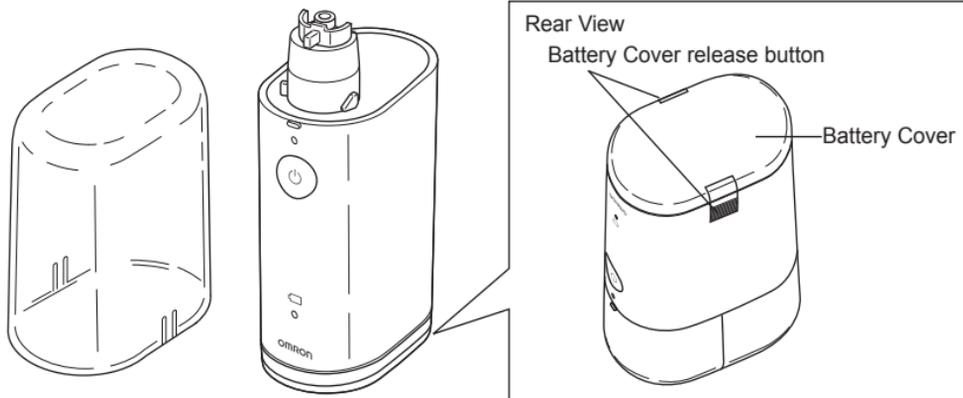
### ON/OFF (⏻) button

### Battery Low Indicator

An orange light blinks when the batteries are low.

# Names and functions of the parts

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## Main unit cover

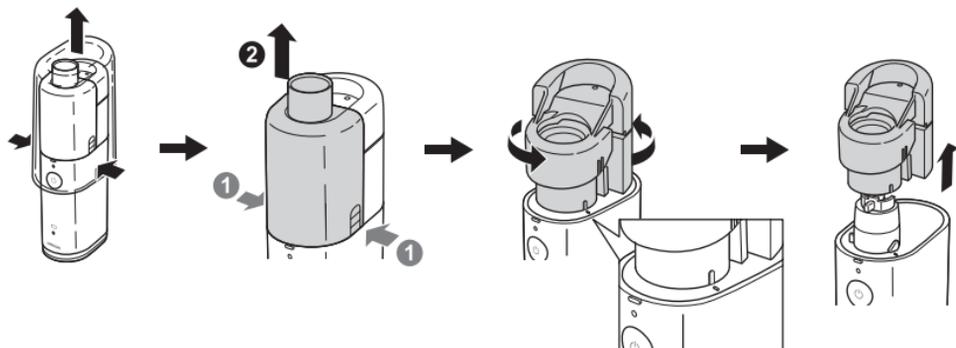
Protects the Main Unit with the attached Medication Container and Mesh Cap during storage.

# Before using the product for the first time

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- Before first use: I ) Carefully read the Instruction Manual  
II ) Disassemble, clean and disinfect the parts

## Disassembly

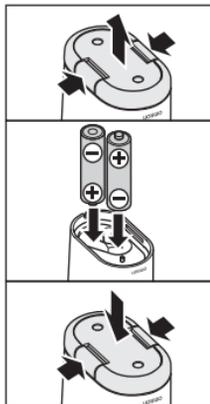


EN

# How to insert or replace the batteries

## Inserting batteries

1. Remove the battery cover on bottom side by pushing on the release buttons on both sides.
2. Insert the batteries according to the battery polarity indicated inside the battery compartment.
3. Replace battery cover by pushing buttons on both sides of the battery cover.



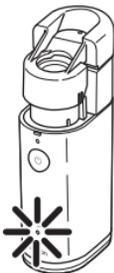
## Battery life and battery replacement

The unit can operate with alkaline batteries or with nickel-metal-hydride (NiMH) rechargeable batteries. Depending on the capacity and condition of the batteries, the unit can operate up to 4 hours on a set of alkaline batteries.

### Battery Low Indicator (orange light)

Flashes	The batteries are low. Replace both batteries with new ones.
Turns on	The batteries are depleted. The device will not nebulize. Immediately replace both batteries with new ones.

- Notes:
- The battery low indicator will turn off if no button is pressed for 10 seconds or if you turn off the device.
  - Remove batteries if the unit is not in use for long periods. Failure to do so could result in damage due to battery leakage.
  - Batteries should be treated as chemical waste; disposal should be done at your retail store or at appropriate collection locations.



# Using the AC adapter (Optional)

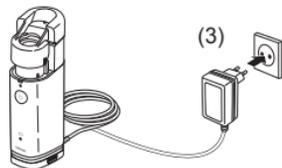
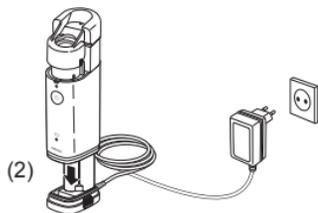
**⚠Caution:** Use only the original AC adapter as indicated in section "Optional Medical Accessories".

## To connect the AC adapter to the main unit

- (1) Remove the battery cover and remove the batteries, see page 12.
- (2) Place the main unit on the AC adapter connection stand as shown in the illustration on the right.  
Note: It will click and lock to the stand.
- (3) Insert the AC adapter power plug into an outlet.

**⚠Caution:** Never plug or unplug the AC adapter with wet hands.

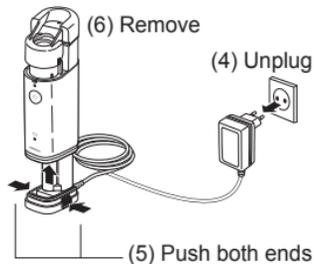
Note: Do not place the device in a location where it is difficult to disconnect the AC adapter.



Connection is completed.

## To remove the AC adapter from the main unit

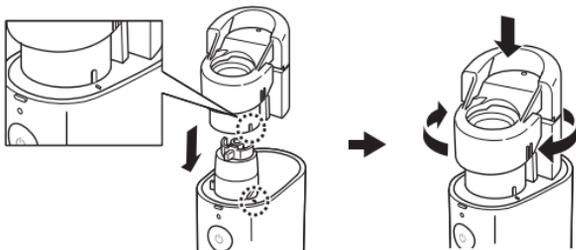
- (4) Disconnect the AC adapter power plug from the outlet.
- (5) Push on both sides of the connection stand to unlock from the main unit.
- (6) Remove the main unit.



# How to assemble the unit and fill the medication container

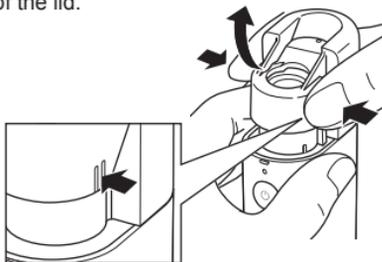
**⚠ Caution:** Clean and disinfect the product's parts before using the product for the first time, after the product has not been used for an extended period of time and when parts are contaminated. (Refer to page 19 for instructions.)

1. Insert batteries, see page 12.
2. Align the mark on the medication container with the mark on the main unit. Push down and rotate the medication container clockwise.



Note: Do not assemble the medication container to the main unit when the mesh cap is installed.

3. Open the medication container by pressing on both sides of the lid.



# How to assemble the unit and fill the medication container

4. Fill the medication container as illustrated.  
The maximum capacity is 10 ml.

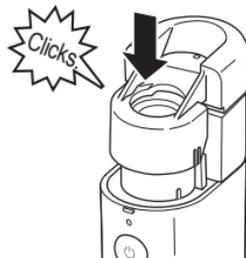


5. Place the mesh cap.

Note: Do not touch the mesh.



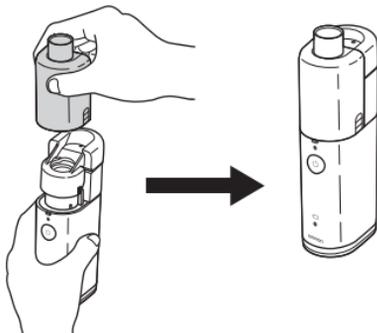
6. Push the lid of medication container into place until it clicks.  
Mesh Cap is fixed.



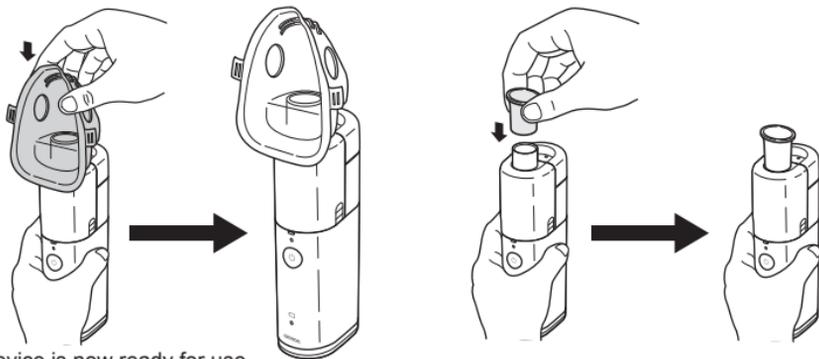
# How to assemble the unit and fill the medication container

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7. Install the mask adapter on the main unit.



8. Install the mask or mouthpiece on the mask adapter.



The device is now ready for use.  
Refer to the next section how to inhale.

# How to inhale with the OMRON MicroAIR U100

**⚠Warning:** For type, dose, and regime of medication, follow the instructions of your doctor or pharmacist.

1. Slightly tilt the unit as illustrated in the figure.  
In this position, the vibrating element is immersed in the medication and nebulization will start after power on.

After the vibrating element has been immersed in the medication, the unit can be used under any angle.

Note: In some positions (e.g. upright), nebulization may stop after a short while. In that case, briefly tilt the unit again in order to re-immers the vibrating element in the medication.

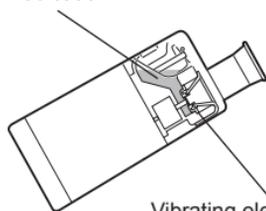
2. Place the mouthpiece in your mouth or place the mask over mouth and nose.

3. If you push the ON/OFF (⏻) button, nebulization starts.  
If you push the ON/OFF (⏻) button again, nebulization stops.

The green power indicator lights up during nebulization.

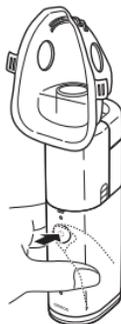
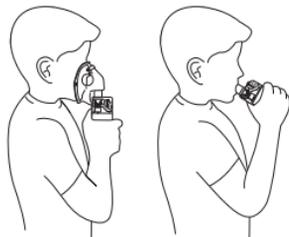
Always be calm and relaxed when you inhale. Breathe in slowly and deeply so that the medication can reach deep into the lungs. Hold your breath briefly, then breathe out slowly while removing the mouthpiece from your mouth. Do not breathe too quickly. Pause when you feel like having a rest.

Medication



Vibrating element

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# How to inhale with the OMRON MicroAIR U100

Note: If high-viscosity medication is used, nebulization may be reduced.

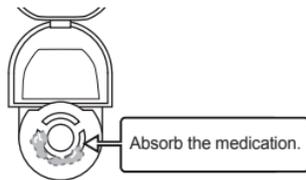
Depending on your usage, you may see condensation on the inside of the mask adapter during use.

If condensation is seen, wipe the mask adapter with a clean cloth to avoid leakage of the medication.



If excessive medication collects on the mesh, nebulization may stop. In that case, turn off the power and remove the mask adapter. Absorb the medication by means of a lint-free cloth.

Note: Do not poke the mesh with a cotton swab or a pin; the mesh may be permanently damaged.



After inhalation always switch off the nebulizer by pressing the ON/OFF (⏻) button.

Note: The device automatically turns off after 30 minutes.

# How to clean the unit after each inhalation

The following items should be be disassembled and cleaned after each use:  
Medication container, mesh cap, mask adapter, mouthpiece and mask.

Note: if the device is not cleaned and disinfected correctly and frequently, micro-organisms may remain in the unit, causing risk of infection.

1. Remove the mask adapter from the main unit by pressing both sides of the mask adapter.

2. Open the medication container and remove the mesh cap.

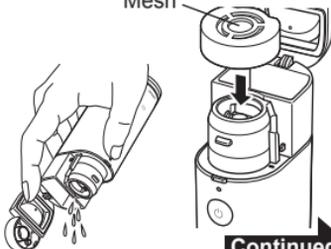
Note: Do not touch the mesh.



3. Discard the medication, then re-install the mesh cap.



Mesh

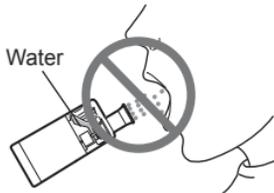


Continued

# How to clean the unit after each inhalation

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4. Fill the medication container with water and nebulize the water.  
To prevent medication from drying and adhering to the mesh after use, nebulize the water for 1 to 2 minutes.



Do not inhale water.

5. Remove the mesh cap from the medication container, then disassemble the medication container from the main unit by rotating counter-clockwise and pulling-up.

Note: Remove the medication container after discarding the medication.



# How to clean the unit after each inhalation

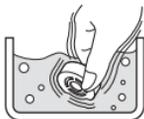
6. Follow the below instructions to clean all parts.

## • Mesh Cap

Wash the mesh cap in mild (neutral) detergent, then rinse off with clean water. Remove excess water and allow to air dry in a clean place.

Some types of medications can easily remain on the mesh, therefore pay close attention during washing.

Do not wash under running water.



## • Medication Container, Mouthpiece, Mask and Mask adapter

Wash them in water and mild (neutral) detergent.

Rinse them thoroughly with clean tap water and allow to air dry in a clean place.



## • Vibrating element and its surrounding

Wash with running water.

Note: Make sure the battery cover is installed to prevent liquid entering the device.



## • Main Unit

Clean the main unit by wiping it off with a (moistened) lint free cloth.

Use a dry lint free cloth to wipe the main unit dry.

Never clean with benzene or thinner.



# How to disinfect the parts

Note: if the device is not cleaned and disinfected correctly and as frequently as indicated, microorganisms may remain in the unit, causing risk of infection.

**The Medication Container, Mesh Cap, Mouthpiece, Mask and Mask Adapter should be disinfected before using the unit for the first time, after the unit has not been used for a long period of time, or once a week during normal use. The Vibrating element is expected to withstand 260 cycles of disinfection during the 5-year durable period, and other parts are expected to withstand 52 cycles of disinfection during the 1-year durable period.**

To select a method for disinfection, refer to the table below.

Parts		Materials	Boiling	Alcohol	Sodium hypochlorite
				Disinfecting ethanol	Milton*1 (0.1% 15min)
Mouthpiece		SEBS	○	○	○
Mask Adapter		PC	○	○	○
Medication Container		Body: PC Hinges: Titanium	○	○	○
Mesh Cap		Packing: Silicone Mesh Holder: PC Mesh: NiPd	○	○	×
Adult Mask (PVC) Child Mask (PVC)		Mask: PVC*3 Band: Rubber*4	×	○*2	○*2
Adult Mask (SEBS) (Optional) Child Mask (SEBS) (Optional)		Mask: SEBS Band: Rubber*4	○*2	○*2	○*2
Vibrating element		Titanium	×	○	○

○ : applicable    × : not applicable

# How to disinfect the parts

## ■ Disinfection by commercially available disinfectant

Use a commercially available disinfectant. Follow the instructions provided by the disinfectant manufacturer.

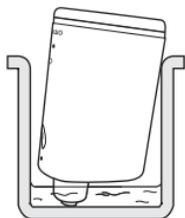
Note: Never clean with benzene or thinner.

### • Vibrating element and its surrounding

Soak the vibrating element and the area around the vibrating element in disinfectant.

### • Medication Container, Mouthpiece, Mesh Cap, Mask Adapter and Mask

Soak the parts in disinfectant.



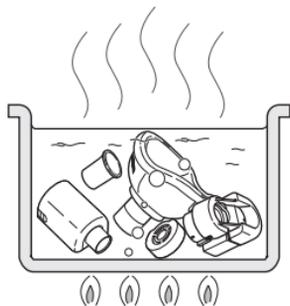
EN

## ■ Disinfection by boiling

### • Medication Container, Mouthpiece, Mesh Cap, Mask Adapter and Mask (SEBS) (Optional)\*2

Parts may be boiled between 15 to 20 minutes.

After boiling, carefully remove the parts, shake off excess water and allow to air dry in a clean environment.



\*1 An example of commercially available disinfectant. (The concentration and residence time specified in the table are under the conditions where the service life of the parts is tested with each disinfectant used as described in its instruction manual. Please note that the testing was not performed for the purpose of ensuring the effectiveness of the disinfectants. There is no intention of suggesting that such disinfectants be used. Conditions of use and ingredients of disinfectant vary for manufacturers. Please read the instruction manuals carefully before use and apply disinfectant to each part in an appropriate way. Please notice that service life of the parts may be shorter depending on conditions, environments and frequency of use.)

\*2 Remove the rubber band from mask before disinfecting.

\*3 The mask is phthalate free.

\*4 The band is not made with natural rubber latex.

# How to replace the mesh cap

---

The mesh cap is a consumable part.

OMRON recommends to exchange the mesh cap after approximately 1 year (Please refer to page 3 “Durable period”).

Remove the mesh cap and install a new one as described on page 14 (section “How to assemble the unit and fill the medication container”).

## Optional Medical Accessories

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Product description	Model
Adult Mask (PVC)*	NEB-MSLP-E
Child Mask (PVC)*	NEB-MSMP-E
Infant Mask (PVC) *	NEB-MSSP-E
Adult Mask (SEBS)*	NEB-MSLS-E
Child Mask (SEBS) set*	NEB-MSSS-E
Mesh Cap*	NEB-MC-10E
Medication Container*	NEB-BTL-10E
Mask Adapter*	NEB-MSA-10E
Mouthpiece*	U22-1-E
AC Adapter	NEB-AC-10E
AC Adapter (UK)	NEB-AC-10UK

\* These parts comply with EN ISO 27427:2019.

# Troubleshooting

In case of any of the below problems occur during use, first check that no other electrical device is within 30cm.

If the problem persists, please refer to the table below.

<b>Trouble</b>	<b>Possible cause</b>	<b>Corrective action</b>
The nebulization rate is extremely low.	Batteries are low (the orange battery low indicator flashes).	Replace the batteries with new ones. Refer to page 12.
	The mesh is stained or clogged.	<ol style="list-style-type: none"><li>1. Clean the mesh by boiling. Refer to page 22.</li><li>2. Replace the mesh cap with a new one. Refer to page 14.</li></ol>
The green power indicator does not turn on and the unit does not nebulize.	The batteries are depleted (the orange battery low indicator turns on).	Replace the batteries with new ones or use the AC adapter (Optional). Refer to page 12 or 13.
	The capacity of rechargeable batteries is low.	Charge the batteries with a commercially available recharger.
	The batteries are inserted in the wrong direction.	Re-insert the batteries in the correct direction. Refer to page 12.
	The AC adapter (Optional) is not connected correctly to a power outlet.	Check that the AC adapter is connected to a power outlet and main unit. Unplug then reinsert the plug if necessary.
	The contact on the AC adapter (Optional) is contaminated.	Wipe away any contamination with a cloth that has been moistened with water or sanitizing alcohol and then wrung out lightly.

# Troubleshooting

<b>Trouble</b>	<b>Possible cause</b>	<b>Corrective action</b>
The green power indicator turns on but the unit does not nebulize.	The vibrating element is not immersed in the medication.	Tilt the main unit in order to immerse the vibrating element in the medication.
	The medication container is not filled with medication.	Fill with medication. Refer to page 14.
	The mesh is broken.	Replace with a new one. Refer to page 14.
	Excessive medication is collected on the mesh	Remove excessive medication. Refer to page 18. Remove visible liquid with a soft cloth and a very light touch so as not to damage the mesh.
The green power indicator turns on but it nebulizes weakly, or is taking too long for treatment.	Nebulization rates vary based on the medication used.	Treatment times may vary among medications and patients.

If the unit does not nebulize properly after checking the possible causes above, contact your OMRON dealer.

# Technical data

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<b>Product Category:</b>	Nebulizers
<b>Product Description:</b>	Mesh Nebulizer
<b>Model (code):</b>	MicroAIR U100 (NE-U100-E)
<b>Rating:</b>	100-240V~ 0.12-0.05A 50-60Hz (Optional AC adapter) 3 VDC (two batteries/Type AA/LR6)
<b>Power Consumption:</b>	Approx. 1.2 W
<b>Residual Volume:</b>	Approx. 0.5 ml
<b>Operating Mode:</b>	Continuous Use
<b>Battery Life:</b>	Approx. 4 hours
<b>Operating Temperature/ Humidity/Air Pressure:</b>	+10°C to +40°C, 30 to 85%RH (non-condensing), 800 - 1060hPa
<b>Storage and Transport Temperature/Humidity:</b>	-20°C to +60°C, 10 to 90%RH (non-condensing)
<b>Weight:</b>	Approx. 120g (excl. batteries)
<b>Dimensions:</b>	Approx. 38 (W) x 130 (H) x 60 (D) mm (Main Unit assembled with Medication Container and Mask Adapter)
<b>Contents:</b>	Main Unit, Main Unit Cover, Medication Container, Mesh Cap, Mask Adapter, Mouthpiece, 2 Batteries (AA/LR6), Adult Mask (PVC), Child Mask (PVC), Soft Pouch, Instruction Manual, Quick Setup Guide
<b>Classifications:</b>	Internally powered ME equipment (When using only the batteries) Class II ME equipment (When using the optional AC adapter) Type BF (Applied part); Mouthpiece, Mask IP55 (When using only the batteries) IP22 (When using the optional AC adapter)

CE 0197 UK  
CA 0086

IP classification is degrees of protection provided by enclosures in accordance with IEC 60529. The device is protected against ingress of dust which would cause issues during a normal operation and against water jets which may cause issues during a normal operation. The optional AC adapter is protected against solid foreign objects of 12.5mm diameter and greater such as a finger, and against oblique falling water drops which may cause issues during a normal operation.

# Technical data

## Notes:

- Subject to technical modification without prior notice.
- This OMRON product is produced under the strict quality system of OMRON HEALTHCARE Co., Ltd., Japan.
- The device may not work if the temperature and voltage conditions are different to those defined in the specifications.
- If the device is stored at the maximum or minimum storage and transport temperature and is moved to an environment with a temperature of 20°C, we recommend waiting for approx. 1 hour before using the device.
- This device complies with the provisions of the European Standard EN13544-1:2007, Respiratory therapy equipment - Part1: Nebulizing systems and their components and EN ISO 27427:2019 Anaesthetic and respiratory equipment - Nebulizing systems and components.
- Please report to the manufacturer and the competent authority of the Member State in which you are established about any serious incident that has occurred in relation to this device.

## Symbols description

	Need for the user to follow this instruction manual thoroughly for your safety.		UKCA Marking
	Need for the user to consult the instructions for use		Unique device identifier
	Applied part - Type BF Degree of protection against electric shock (leakage current)		Serial number
	Class II Protection against electric shock		Temperature limitation
IPXX	Ingress protection degree provided by IEC 60529		Humidity limitation
	CE Marking		Atmospheric pressure limitation

# Technical data

	Power ON / OFF		Medical device
	Alternating current		Date of manufacture
	Direct current		

**Type of medication liquid:**

solution, suspension

**Particle Size:**

\*MMAD 4.5 µm

**Medication Container Capacity:**

10 ml maximum

**Appropriate Medication Quantities:**

1ml minimum - 10ml maximum

**Sound:**

Approx. 20 dB

**Nebulization rate:**

\*\*0.25-0.9 ml/min (by weight loss)

**Aerosol Output:**

0.5 ml (2 ml, 1%NaF)

**Aerosol Output Rate:**

0.1 ml/min (2 ml, 1%NaF)

**Percentage of fill volume emitted per minute:**

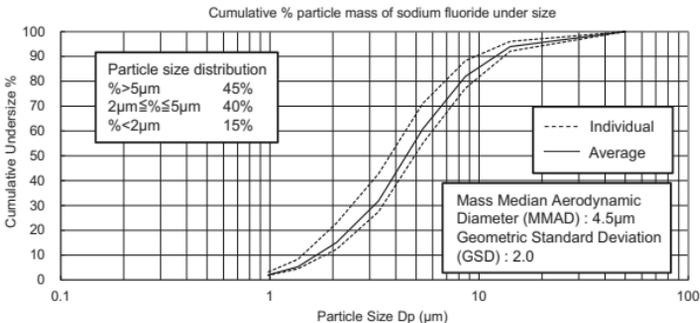
5%

EN

## Notes:

- The distribution of particle size is measured with 2.5% NaF aqueous solution. The particle size distribution and aerosol output may vary by combination of product, medication and ambient conditions such as temperature, humidity and atmospheric pressure.
- Performance may vary with the mesh and medication used such as suspensions or high viscosity. See medication supplier's data sheet for further details.
- The disclosures for nebulizer performance are based upon testing that utilizes adult ventilatory patterns and are likely to be different from those stated for paediatric or infant populations.
- \* Measured values reflect internal data obtained by NEXT GENERATION IMPACTOR (NGI), according to EN13544-1:2007 + A1:2009 and EN ISO 27427:2019.
- \*\* The Nebulization rate is measured with saline 0.9% solution at 23°C at spray angle of 30° with 3 ml of medication. It can vary with medication and ambient conditions.

# Technical data



## **Important information regarding Electromagnetic Compatibility (EMC)**

NE-U100-E manufactured by OMRON HEALTHCARE Co., Ltd. conforms to EN60601-1-2:2015 Electromagnetic Compatibility (EMC) standard.

Further documentation in accordance with this EMC standard is available at OMRON HEALTHCARE EUROPE at the address mentioned in this instruction manual or at [www.omron-healthcare.com](http://www.omron-healthcare.com). Refer to the EMC information for NE-U100-E on the website.

## **Correct Disposal of This Product (Waste Electrical & Electronic Equipment)**

This marking shown on the product or its literature, indicates that it should not be disposed of, with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.



Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial waste for disposal.

# Warranty

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Thank you for buying an OMRON product. This product is constructed of high quality materials and great care has been taken in its manufacturing. It is designed to give you a high level of comfort, provided that it is properly operated and maintained as described in the instruction manual.

This product is guaranteed by OMRON for a period of 3 years after the date of purchase. The proper construction, workmanship and materials of this product is guaranteed by OMRON. During this period of guarantee OMRON will, without charge for labour or parts, repair or replace the defect product or any defective parts.

**The guarantee covers only products purchased in Europe, Russia and other CIS countries, Middle East and Africa.**

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The guarantee does not cover any of the following:

- a. Transport costs and risks of transport.
- b. Costs for repairs and / or defects resulting from repairs done by unauthorised persons.
- c. Periodic check-ups and maintenance.
- d. Failure or wear of accessories or other attachments other than the main device itself, unless explicitly guaranteed above.
- e. Costs arising due to non-acceptance of a claim (those will be charged for).
- f. Damages of any kind including personal caused accidentally or from misuse.

Should guarantee service be required please apply to the dealer whom the product was purchased from or an authorised OMRON distributor. For the address refer to the product packaging / literature or to your specialised retailer. If you have difficulties in finding OMRON customer services, visit our website ([www.omron-healthcare.com](http://www.omron-healthcare.com)) for contact information.

Repair or replacement under the guarantee does not give rise to any extension or renewal of the guarantee period.

The guarantee will be granted only if the complete product is returned together with the original invoice / cashticket issued to the consumer by the retailer. OMRON reserves the right to refuse the guarantee service if any unclear information has been given.

<b>Manufacturer</b> 	<b>OMRON HEALTHCARE Co., Ltd.</b> 53, Kunotsubo, Terado-cho, Muko, KYOTO, 617-0002 JAPAN		
<b>EU-representative</b> <table border="1" data-bbox="112 282 252 329"> <tr> <td data-bbox="112 282 181 329">EC</td> <td data-bbox="181 282 252 329">REP</td> </tr> </table>	EC	REP	<b>OMRON HEALTHCARE EUROPE B.V.</b> Scorpius 33, 2132 LR Hoofddorp, THE NETHERLANDS <a href="http://www.omron-healthcare.com">www.omron-healthcare.com</a>
EC	REP		
<b>Importer in EU</b>			
<b>Production facility</b>	<b>OMRON HEALTHCARE Co., Ltd.</b> Matsusaka Factory 1855-370, Kubo-cho, Matsusaka-shi, Mie, 515-8503 Japan		
<b>Subsidiary</b>  <b>Importer in the United Kingdom and UK responsible person</b>	<b>OMRON HEALTHCARE UK LTD.</b> Opal Drive, Fox Milne, Milton Keynes, MK15 0DG, UK <a href="http://www.omron-healthcare.com/distributors">www.omron-healthcare.com/distributors</a>		
<b>Subsidiaries</b>	<b>OMRON MEDIZINTECHNIK HANDELSGESELLSCHAFT mbH</b> <b>OMRON SANTÉ FRANCE SAS</b> <a href="http://www.omron-healthcare.com/distributors">www.omron-healthcare.com/distributors</a>		

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