

**OMRON**

# ULTRASONIC NEBULIZER

**NE-U780**

For Professional Use

Innovative and ease of infection control ultrasonic nebulizer designed for professional use

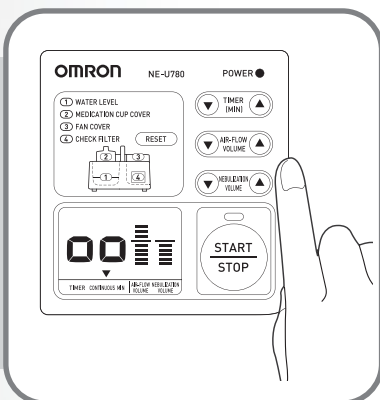


ULTRA *A-I-R* Pro

All for Healthcare

## Removable Water Tank for Better Infection Control

OMRON NE-U780 Ultrasonic Nebulizer features a removable water tank that can be submerged in liquid for disinfection and cleaning purposes.



### Adjustable Nebulization Rate and Air Flow Volume

Adjustable nebulization rate and air flow volume allow users to customize the amount of aerosol and amount of air flowing into the medication cup cover according to the treatment.

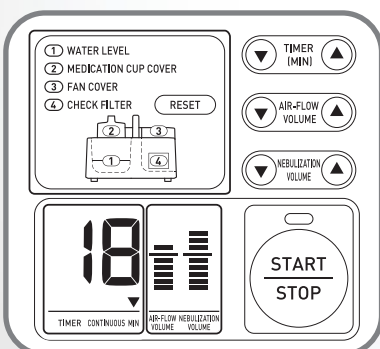


### Autoclave-safe attachments

The medication cup cover, inhalation hose, mouthpiece, and inhalation mask (optional) can be disinfected using either an autoclave or sterilizing liquid.

### Smooth shape for easy cleaning

The main unit is easy to clean and disinfect by using sheet switches and air pathways that can be easily wiped clean and disinfected.



### Audible Alarm

The product warns you with an audible alarm when an error has occurred or when the set time has elapsed. Error LEDs indicate where an error has occurred.

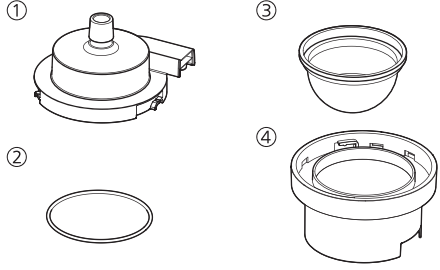
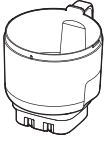


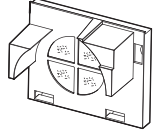
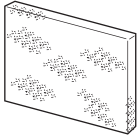
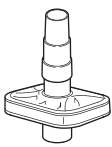
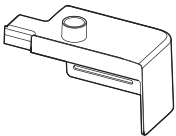
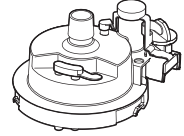



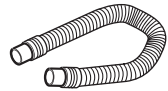
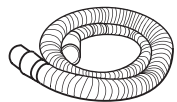
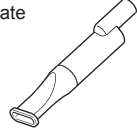
### Large, easy-to-see LCD display

The product features a large LCD display that lets you identify timer, air-flow volume, and nebulization volume settings at a glance. A backlight ensures the display is visible in dark locations, too.

# Optional Medical Accessories

(within the scope of EC Medical Device Directive 93/42/EEC)

The following optional accessories listed below are available.

<p><b>Nebulization set</b> Model: NEB-NZU-78E ① + ② + ③ + ④</p>			
<p><b>Medication cup cover</b> ①</p>	<p><b>Medication cup</b> ③ Remarks: For transferring ultrasonic vibrations. (Damage or deformation may prevent nebulization. Handle with care.)</p>		
<p><b>Silicon packing (washer)</b> ②</p>	<p><b>Medication cup holder</b> ④</p>		
<p><b>Removable water tank</b> Model: NEB-RWT-78E Remarks: Includes handle cover.</p> 	<p><b>Silicon packing (washer)</b> Model: NEB-SP-78E</p> 	<p><b>Medication cup</b> Contents: 5 pcs Model: U12-1-E Remarks: For transferring ultrasonic vibrations. (Damage or deformation may prevent nebulization. Handle with care.)</p> 	<p><b>Air Filter set</b> Model: NEB-AFS-78E Remarks: Keeps dust and other contaminants out of the airflow.</p> 
<p><b>Air Filter</b> Contents: 5 pcs Model: U17-4P2-E Remarks: Keeps dust and other contaminants out of the airflow.</p> 	<p><b>Bacterial Filter</b> Model: U17-2-E Remarks: Includes adapter. Used for inhalation when cleansing the respiratory tract, etc. Cannot be reused.</p> 	<p><b>Fan cover for bacterial filter</b> Model: NEB-BFC-78E Remarks: Used with the long time nebulization set (NEB-LMCC-78E) when using the bacterial filter (U17-2-E).</p> 	<p><b>Long time Nebulization set</b> Model: NEB-LMCC-78E Remarks: Used during continuous nebulization. Used with the supply medication set (U10-11-E).</p> 
<p><b>Supply Medication set</b> Stainless steel Model: U10-11-E Remarks: Supplies medication so as to maintain a constant level in the medication cup. Used during extended humidification and inhalation.</p> 	<p><b>Inhalation mask (S) set</b> Contents: 3 pcs Model: NEB-MSISS-78E Remarks: Includes strap. Allows simultaneous inhalation via mouth and nose.</p> 	<p><b>Inhalation mask (L) set</b> Contents: 3 pcs Model: NEB-MSILS-78E Remarks: Includes strap. Allows simultaneous inhalation via mouth and nose.</p> 	<p><b>Inhalation hose M</b> Model: NEB-HS-L70E Length: 700 mm</p> 
<p><b>Inhalation hose L</b> Model: NEB-HS-L15E Length: 1500 mm</p> 	<p><b>Mouthpiece set</b> Contents: 5 pcs Model: NEB-MPSS-78E Remarks: Is placed in mouth to facilitate inhalation.</p> 	<p>Note: All optional accessories are consumables, including when supplied with the main unit.</p>	

# Intended Use

<b>Medical Purpose</b>	This product is intended to be used for inhaling medication for respiratory disorders.
<b>Intended User</b>	<ul style="list-style-type: none"> <li>• Legally certified medical experts, such as doctor, nurse and therapist</li> <li>• Caregiver or patient under the guidance of qualified medical experts</li> </ul>

# Technical Data

<b>Product Category:</b>	Nebulizers
<b>Product Description:</b>	Ultrasonic Nebulizer
<b>Model:</b>	NE-U780
<b>Rating:</b>	220 - 240 V ~ 50/60 Hz
<b>Power Consumption:</b>	Approx. 85 VA
<b>Fuse:</b>	T1.25 A L250 V
<b>Ultrasonic Frequency:</b>	Approx. 1.63 MHz
<b>Particle size:</b>	**MMAD 4.61um (MMAD = Mass Median Aerodynamnic Diameter)
<b>Amount of cooling water:</b>	Approx. 450 ml
<b>Medication cap capacity:</b>	Approx. 150 ml (min. 10 ml)
<b>Sound:</b>	***Less than 40 dB
<b>Nebulization rate:</b>	*Approx. 0.5 ~ 3 ml/min adjustable
<b>Aerosol Output:</b>	**3.04 ml
<b>Aerosol Output Rate:</b>	**0.14 ml/min
<b>Air Volume:</b>	Max. 17 L/min
<b>Dimensions:</b>	Approx. 295 (W) × 219 (H) × 196 (D) mm (main unit only)
<b>Weight:</b>	Approx. 2.5 kg (main unit only)
<b>Package contents:</b>	Main unit, Removable water tank, Medication cup cover, Medication cup holder, Inhalation hose M, Mouthpiece, Medication cup (2 pcs), Power cord, Instruction Manual
<b>Classifications:</b>	Class I (Protection against electric shock), Type BF (Applied part)

Notes: Subject to technical modification without prior notice

\* Representative values from internal data obtained by measuring device operation with 30 ml of saline solution at 26 °C, a room temperature of 23 °C, warm water at 26 °C in the removable water tank, and only inhalation hose M connected.

\*\* Measured values reflect internal data obtained by NEXT GENERATION IMPACTOR (NGI), using 30 ml of NaF aqueous solution.

Measured by OMRON HEALTHCARE Co., Ltd., according to EN13544-1:2007+A1:2009.

\*\*\* Measured by OMRON HEALTHCARE Co., Ltd.

Note: Performance may vary with medication such as suspensions or high viscosity. See medication supplier's data sheet for further details.

**OMRON HEALTHCARE Co., Ltd.**  
53, Kunotsubo, Terado-cho  
Muko, Kyoto, 617-0002 JAPAN

**Asia Pacific HQ**  
**OMRON HEALTHCARE SINGAPORE PTE LTD.**  
438A Alexandra Road, #05-05/08  
Alexandra Technopark, Singapore 119967  
[www.omronhealthcare-ap.com](http://www.omronhealthcare-ap.com)

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