

Mesh Nebulizer Model NE-U22

MICRO *A-I-R*™



Omron Mesh Technology for Effective Nebulization

- ▶ **Generate very fine mist**
 - Ensures medication reach deep into the respiratory tract
- ▶ **Nebulization at any angle**
 - Can inhale at any angle, even when tilted or lying down.
- ▶ **Very Quiet Operation**
 - Suitable for home, clinic or outdoor use and inhalation at night.
- ▶ **Portable**
 - Lightweight and compact, easy to take along anywhere.

*** World's Smallest and Lightest Nebulizer**

Usage: Respiration therapy for asthma, bronchopulmonary and other obstructive respiratory disorders.



Ultra-compact - Designed for all ages, personal or clinical use

Newly developed Mesh Technology from Omron:

Using alloy mesh and titanium vibrator to achieve superior nebulization efficiency

- Generate very fine medication mist; each droplet size is about 5µm
- High nebulization rate at more than 0.25ml per minute
- Minimal residual medication; minimize wastage



Medication Bottle - Unique Design:

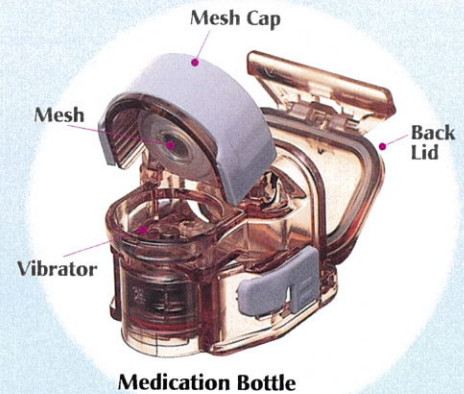
- Mesh protected and detachable
- Vibrator - vibrates at high frequency and pushes out medication through the pores of the mesh
- Back lid opens for easy cleaning
- Whole bottle can be removed from main unit

2 Modes of Operation:

- Continuous : For continuous nebulization
- Synchronized : For intermittent inhalation that synchronize with breathing

Power Source Options:

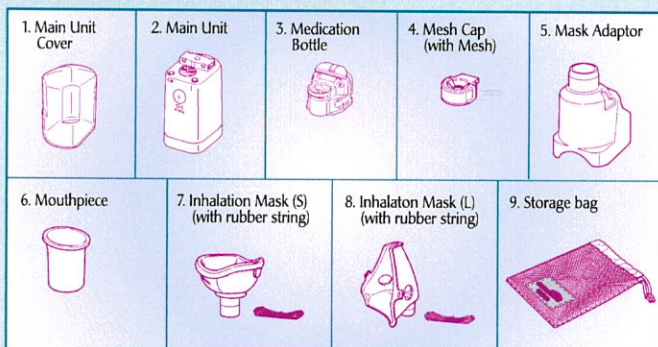
- 3 VDC (two AA alkaline batteries) or
- 2.4 VDC (two AA nickel-hydrogen rechargeable batteries) or
- AC adapter (optional part from Omron)



Medication that can be Nebulized by NE-U22 (tested by Omron)

Orcinoprenaline sulfite, Isoproterenol hypochlorite, Ipratropium bromide, Bromhexine Hydrochloride, Epinephrine, Gentamicin sulfate, Trimetoquinol hydrochloride, Sodium Cromoglycate, Procaterol hydrochloride, Acetylcysteine, Budesonide, Salbutamol hemisulfate.

Product Contents



Accessories that can be sterilized by boiling:
 Mesh cap, Mouthpiece, Inhalation Masks, and Mask Adapter

Specifications

Power source	3 VDC (two AA alkaline batteries) / 2.4 VDC (two AA nickel-hydrogen batteries) / optional AC adapter
Power consumption	Approximately 1.5 W*
Ultrasonic frequency	Approximately 180 kHz
Nebulization rate	0.25 ml / minute or more*
Particle size	MMAD approximately 5 µm (Measured by OMRON based on CEN/TC215)
Capacity of Medication Bottle	Maximum of 7 ml
External dimensions	Approximately 38 (W) x 104 (H) x 51 (D) mm
Weight	Approximately 97 g (not including batteries)
Battery life	Approximately 4 hours* with continuous nebulization Approximately 8 days when used about 30 minutes a day (with the use of alkaline batteries)
Operating temperature and humidity	10 to 40°C, 30 to 85% RH

* Under normal temperature of 23°C. When nebulizing physiological saline. (Varies with the type of medication.)
 - Nebulization rate is lowered at low temperature.
 - The unit turns off automatically in approximately 30 minutes after the power is turned on.
 - Specifications and appearance may be changed without prior notice for improvement.

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