

## Compressor Nebulizer C101 Essential (NE-C101-E) Instruction Manual

All for Healthcare

IM-NE-C101-E-01-02/2017  
3A3621 rev.00

### Intended use

**Medical Purpose:** This product is intended to be used for inhaling medication for respiratory disorders.

### Intended User:

- Legally certified medical experts, such as doctor, nurse and therapist.
- Caregiver or patient under the guidance of qualified medical experts for home treatment.
- The user should also be capable of understanding general operation of C101 Essential and the content of this instruction manual.

**Intended Patients:** Persons who suffer from respiratory disorders and require inhalation of medications.

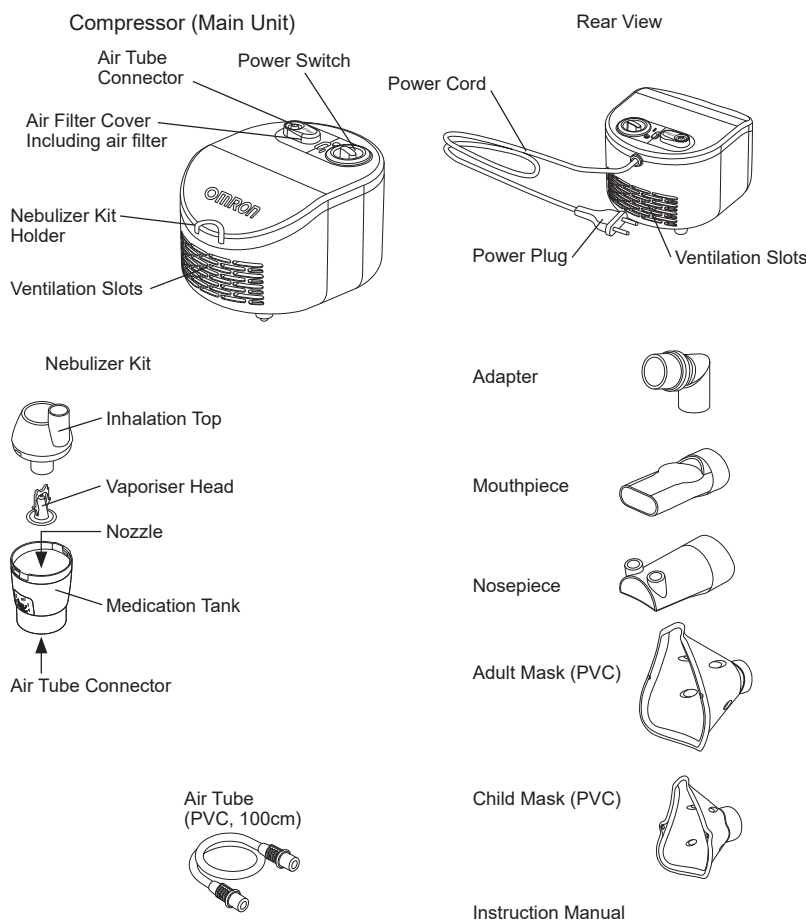
**Environment:** This product is intended for use in a general household.

**Durable period:** Durable periods are as follows, provided the product is used to nebulize 3 times a day for 10 minutes each time at room temperature (23°C). Durable period may vary depending on usage environment.  
Compressor (Main unit): 5 years

Air Tube - Nebulizer Kit - Mouthpiece - Child Mask - Adult Mask - Nosepiece - Adapter: 1 year; Air Filter: 70 applications

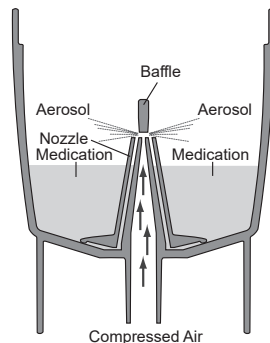
Frequent usage of the product may shorten the durable period.

### Know your unit



### How the nebulizer kit works

The medication that is pumped up through the medication channel is mixed with compressed air which is generated by a compressor pump. The compressed air mixed with medication is turned into fine particles and sprayed when in contact with the baffle.



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### Important safety instructions

⚠ Read the instructions carefully before use.

#### Warning

1. Use the device only as inhalator for therapeutic purposes. Any other use is improper and may be dangerous. The manufacturer is not liable for improper uses.
2. Do not use in anaesthetic or ventilator breathing circuits.
3. Always disconnect the power plug after use.
4. Do not cover the ventilation slots during use. The compressor could get hot and there is a possible risk of a burn if touched.
5. The compressor and power plug are not waterproof. Do not spill water or other liquids on these parts. If liquid does spill on these parts, immediately unplug the power plug and wipe off the liquid.
6. Do not attempt to repair the device. See Troubleshooting section.
7. Keep the device out of reach of unsupervised infants and children. The device may contain small pieces that can be swallowed.
8. Provide close supervision when this device is used by, on, or near children or invalids.
9. For type, dose, and regime of medication follow the instructions of your doctor or respiratory therapist.
10. This product should not be used on patients, who are unconscious or are not breathing spontaneously.
11. After finishing the treatment remember to disconnect the air tube from the nebulizer and from the compressor.
12. In view of their length, the power plug and air tube could constitute a strangulation hazard.
13. Be sure to use the compressor at a place where the power plug is easily accessible during treatment.
14. If you experience any allergic reactions or other difficulties during use, stop using the device immediately and consult your doctor.
15. 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.

### How to use

1. Make sure that the power switch is in the off (○) position.
2. Plug the power plug into a power outlet.  
**Note:** Do not place the device in a location where it is difficult to disconnect the power cord.
3. Remove the inhalation top from the medication tank.  
1) Rotate the inhalation top anti-clockwise.  
2) Lift the inhalation top out of the medication tank.
4. Add the correct amount of prescribed medication into the medication tank.
5. Verify the presence of the vaporiser head inside the medication tank.
6. Put the inhalation top back onto the medication tank.  
1) Lower the inhalation top on the medication tank.  
2) Rotate the inhalation top clockwise.
7. Attach the adapter, and the mask, mouthpiece or nosepiece to the nebulizer kit tightly.
8. Attach the air tube. While twisting the air tube plug slightly, push it firmly into the air tube connector.
9. Hold the nebulizer kit as indicated on the right.  
Follow the instructions of your doctor or respiratory therapist.

#### ⚠ Caution:

Do not tilt the nebulizer kit at an angle greater than 30 degrees in all directions. Medication may flow into the mouth or it may result in ineffective nebulization.

10. Turn the power switch to the on (|) position. As the compressor starts, nebulization begins and aerosol is generated. Gently inhale the medication. Exhale through the nebulizer kit.

11. When treatment is completed, turn the power off and unplug the compressor from the power outlet.

### Cleaning and daily disinfecting

Carefully wash your hands before cleaning and disinfecting the nebulizer parts. Clean the parts after each use to remove residual medication. This will prevent inefficient nebulization and reduce risk of infection.

#### • Cleaning the Nebulizer Kit, Mask, Mouthpiece, Nosepiece and Adapter:

Wash them in warm water and mild, neutral detergent. Rinse them thoroughly with clean hot tap water, gently tap to remove excess water and allow to air dry in a clean place. It is advisable to replace the Nebulizer Kit after some 100 to 120 treatments or after about 20 boiling cycles.

#### • Cleaning the Compressor and Air Tube:

Firstly, make sure that the power plug is unplugged from the power outlet. Wipe clean with a soft cloth moistened with water or mild, neutral detergent.

#### • Disinfecting the Nebulizer Kit, Mask, Mouthpiece, Nosepiece and Adapter:

Always disinfect the parts before using the product for the first time and after the product has not been used for an extended period of time as well as after the last treatment of the day. If the parts are heavily stained, replace them with new ones. The Nebulizer Kit, Mask, Mouthpiece, Nosepiece and Adapter can be disinfected by using a chemical disinfectant such as ethanol, sodium hypochlorite (Milton), Quaternary ammonium (Osvan), Chlorhexidine (Hibitane) and Amphoteric Surfactant (Tego), following product instructions and rinsing off with clean warm water. Leave to air-dry. **Note:** Never clean with benzene, thinner or a flammable chemical.

• **Boiling:** The Nebulizer Kit, Mouthpiece, Nosepiece and Adapter can also be disinfected by boiling between 15 to 20 minutes in plenty of water. After boiling, carefully remove the parts, shake off excess water and allow to air-dry in a clean environment.

**Note:** Do not boil the Mask and the Air Tube.

### Replacing the Air Filter:

If the air filter has changed colour, or has been used for more than 70 applications, replace it with a new one. To purchase the filters – see Other Optional/Replacement Parts paragraph.

Remove the air filter cover using a flat screwdriver as shown in figure; remove the filter and fit the new filter as shown.

Put the air filter cover back in place.

**Note:** Do not wash or clean the air filter. If the air filter becomes wet, replace it. Damp air filters can cause blockages.

### Technical data

Product Category:	Nebulizers
Product Description:	Compressor Nebulizer
Model (code):	C101 Essential (NE-C101-E)
Rating:	230V ~50Hz, (fuse: T1.6AL250V)
Power Consumption:	150VA
Operating Mode:	Continuous Use
Operating Temperature/Humidity/Air Pressure:	+5°C to +40°C / 15% to 85%RH / 700 to 1060 hPa
Storage and Transport Temperature/Humidity/Air Pressure:	-20°C to +60°C / 5% to 95%RH / 500 to 1060 hPa
Weight:	Approx. 1.05kg (compressor only)
Dimensions:	Approx. 145 (W) × 124 (H) × 182 (D) mm
Classifications:	Type BF (Applied part): Mouthpiece, Nosepiece and Masks IP21 (Ingress Protection)

Contents:

Compressor, Nebulizer Kit, Air Tube (PVC, 100cm), Mouthpiece, Nosepiece, Adapter, Adult Mask (PVC), Child Mask (PVC), Instruction Manual

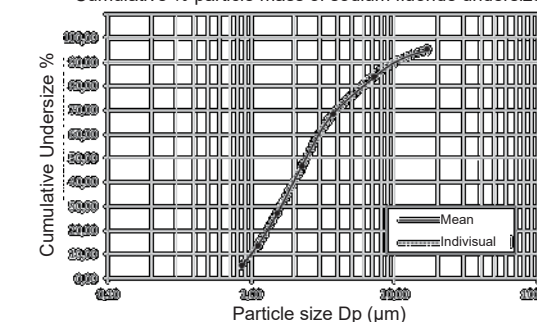
	= Class II equipment		= Type BF applied part		= Ingress Protection		= Power off
	= Serial number		= Consult the instructions for use		= Alternating current		= Power on



Appropriate Medication Quantities:	2ml minimum - 12ml maximum
Residual volume of medication:	Approx. 0.7ml
Sound:Noise level (at 1m distance):	Approx. 58dB
Particle Size (MMAD):	Approx. 2.6µm
Nebulization Rate (by weight loss):	Approx. 0.35ml/min (NaCl 0.9%)
Aerosol Output (2ml, 1%NaF):	Approx. 0.25ml
Aerosol Output Rate (2ml, 1%NaF):	Approx. 0.07ml/min

MMAD = Mass Median Aerodynamic Diameter

Result of cascade impactor measurements for particle size Cumulative % particle mass of sodium fluoride undersize



This device fulfils the provisions of the EC Directive 93/42/EEC (Medical Device Directive). Performance may vary with drugs such as suspensions or high viscosity. See drug supplier's data sheet for further details.

### Troubleshooting

In case of any of the below problems occur during use, first check that no other electrical device is within 30 cm. If the problem persists, please refer to the below.

*The device does not switch on*

- Check that the power plug is properly fitted to the power outlet.
- Make sure the power switch is in the on position (|).

*The device switches on but does not nebulize*

- Make sure the vaporizer head is fitted in the nebulizer kit.
- Make sure the air tube is not squashed or crooked.
- Check the air filter for blockage and dirt. Replace if necessary.
- Check that sufficient amount of medication has been put into the nebulizer kit.

*The device suddenly stops working during operation.*

- The thermal cut-out has shut the device down for one of the following reasons:
  - the device was working in an environment with temperatures higher than 40°C;
  - the ventilation slots were covered.

Do not attempt to repair the device. Do not open and/or tamper with the device. No parts of the device are user serviceable. Return the device to an authorized OMRON retail outlet or distributor.

### Warranty

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 the highest level of comfort, provided 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 does not cover any of the following:

- Transport costs and risks of transport.
- Costs for repairs and / or defects resulting from repairs done by unauthorized persons.
- Periodic check-ups and maintenance.
- Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly guaranteed above.
- Costs arising due to non-acceptance of a claim (those will be charged for).
- 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.

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 / cash ticket issued to the consumer by the retailer. OMRON reserves the right to refuse the guarantee service if any unclear information has been given.

### Optional Medical Accessories

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

Product Description	Model
Nebulizer Accessory Set (Contents: Nebulizer Kit, Adapter, Mouthpiece, Nosepiece, Adult Mask (PVC), Child Mask (PVC), Air Tube, Air Filter)	NEB-ASKIT-11

### Other Optional/Replacement Parts

Product Description	Model
Air Filter Set (Contents: 3 pieces)	3AC408

### Important information regarding Electro Magnetic Compatibility (EMC)

This device conforms to EN60601-1-2:2015 Electro Magnetic 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).

### DISPOSAL PROCEDURE (Dir. 2012/19/EU-WEEE)

This product is not to be treated as regular household waste but must be returned to a collection point for recycling electric and electronic devices. Further information is available from your municipality, your municipality's waste disposal services, or the retailer where you purchased your product.

	<b>3A HEALTH CARE S.r.l.</b> Via Marziale Cerutti, 90F/G 25017 Lonato del Garda (BS), Italy
<b>Distributor</b>	<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>

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