

OMRON



Compressor Nebulizer CompAIR ECO (NE-C302-E) Instruction Manual

All for Healthcare

IM-NE-C302-E-01-05/2016
3A3445 rev.00

Intended use

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

Intended User

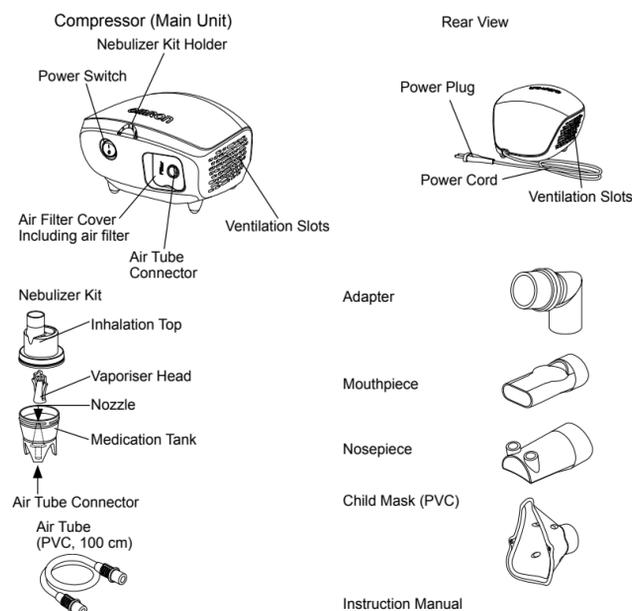
- Legally certified medical experts, such as doctor, nurse and therapist.
- Caregiver or patient under the guidance of qualified medical experts for home treatment.
- The user should also be capable of understanding general operation of CompAIR ECO and the content of this instruction manual.

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

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

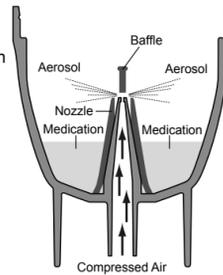
Durable period: Durable periods are as follows, provided the product is used to nebulize 3 times a day for 10 minutes each time at room temperature (23°C). Durable period may vary depending on usage environment. Compressor (Main unit): 5 years; Air Tube - Nebulizer Kit - Mouthpiece - Child Mask - Nosepiece - Adapter: 1 year; Air Filter: 70 applications

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. The correct functioning of the device may be affected by electromagnetic interference caused by malfunctioning television sets, radios, etc. If this occurs, move the source of interference away from the device or use a different plug.
4. Always disconnect the power plug after use.
5. Do not to cover the ventilation slots during use.
6. 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.
7. Do not attempt to repair the device. See Troubleshooting section.
8. Keep the device out of the reach of unsupervised infants and children. The device may contain small pieces that can be swallowed.
9. Provide close supervision when this device is used by, on, or near children or invalids.
10. For type, dose, and regime of medication follow the instructions of your doctor or respiratory therapist.
11. This product should not be used on patients, who are unconscious or are not breathing spontaneously.
12. After finishing the treatment remember to disconnect the air tube from the nebulizer and from the compressor.
13. In view of their length, the power plug and air tube could constitute a strangulation hazard.

How to use

1. Make sure that the power switch is in the off (○) position.
2. Plug the power plug into a power outlet.
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 of greater than 60 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 (I) 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 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.

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



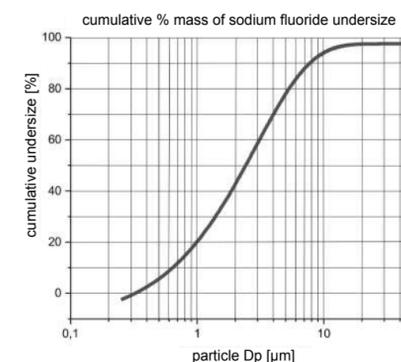
Technical data

Product Description:	Compressor Nebulizer
Model (code):	CompAIR ECO (NE-C302-E)
Rating:	230V, ~50Hz
Power Consumption:	150VA
Operating Temperature/ Humidity/Air Pressure:	+10°C to +40°C 10% to 95%RH / 690-1060 hPa
Storage/Transport conditions:	-20°C to +70°C / 5% to 95%RH / 690-1060 hPa
Temperature/Humidity/ Air Pressure:	
Weight:	Approx. 1.1 kg (compressor only)
Dimensions:	Approx. 163 (W) × 110 (H) × 195 (D) mm
Contents:	Compressor, Nebulizer Kit, Air tube (PVC, 100 cm), Mouthpiece, Nosepiece, Adapter, Child Mask (PVC), Instruction Manual

	= Class II equipment		= Type BF applied part		= Power off
	Consult the instruction for use		= Keep dry		= Power on
	Alternating current	IP20	CE 0434		

Appropriate Medication Quantities:	2 ml minimum - 12 ml maximum
Sound:Noise level (at 1 m distance):	61.5 dB
Particle Size (MMAD):	Approx. 2.6 µm
Nebulization Rate (by weight loss):	Approx. 0.35 ml/min (NaCl 0.9%)
Aerosol Output (2ml, 1%NaF):	Approx. 0.14 ml
Aerosol Output Rate (2ml, 1%NaF):	Approx. 0.09 ml/min
MMAD = Mass Median Aerodynamic Diameter	

Result of cascade impactor measurements for particle size



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

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 (I).

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 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 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 unauthorized persons.
 - c. Periodic check-ups and maintenance.
 - d. Failure or wear of optional parts 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.
- 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
CompAIR ECO Accessory Set (contents: nebulizer kit, air tube, mouthpiece, adult mask, child mask, nosepiece, adapter)	NEB224

Other Optional/Replacement Parts

Product description	Model
Air Filter Set (contents: 3 pieces)	3AC408



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.

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