

COMP *A-I-R*<sup>™</sup>  
**Compressor Nebulizer**  
**Model NE-C28P**

- 
- **Instruction Manual**
  - **Mode d'emploi**
  - **Gebrauchsanweisung**
  - **Manuale di istruzioni**
  - **Manual de instrucciones**
  - **Gebruiksaanwijzing**
  - **РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ**

• **كتيب الإرشادات**

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## Introduction

Thank you for purchasing the OMRON COMP AIR.

This product was developed in conjunction with respiratory therapists for the successful treatment of asthma, chronic bronchitis, allergies and other respiratory disorders. The compressor forces air to the nebulizer kit. When the air enters the nebulizer kit, it converts the prescribed medication into an aerosol of microscopic droplets that can easily be inhaled.

This is a medical device. Operate the device only as instructed by your doctor and/or respiratory therapist.

## Intended use

Medical Purpose	This product is intended to be used for inhaling medication for respiratory disorders.																
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 NE-C28P and the content of instruction manual.</li></ul>																
Intended Patients	This product should not be used by patients, who are unconscious or are not breathing spontaneously.																
Environment	This product is intended for use in a medical facility, such as Hospital, clinic and doctor's office, and in a room of general household.																
Durable period	<p>Durable periods are as follows, provided the product is used to nebulize saline 3 times a day for 10 minutes each time at room temperature (23°C).</p> <p>Durable period may vary depending on usage environment.</p> <table><tr><td>Compressor</td><td>5 years</td></tr><tr><td>Nebulizer Kit</td><td>1 year</td></tr><tr><td>Mouthpiece</td><td>1 year</td></tr><tr><td>Nosepiece</td><td>1 year</td></tr><tr><td>Air Tube (PVC, 200cm)</td><td>1 year</td></tr><tr><td>Air Filter</td><td>60 days</td></tr><tr><td>Adult Mask (PVC)</td><td>1 year</td></tr><tr><td>Child Mask (PVC)</td><td>1 year</td></tr></table>	Compressor	5 years	Nebulizer Kit	1 year	Mouthpiece	1 year	Nosepiece	1 year	Air Tube (PVC, 200cm)	1 year	Air Filter	60 days	Adult Mask (PVC)	1 year	Child Mask (PVC)	1 year
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Child Mask (PVC)	1 year																
Precautions for use	Warnings and cautions described in the instruction manual should be observed.																

## Important safety instructions

Read all the information in the instruction manual and any other literature included in the box before using the device.

When using an electrical product, especially when children are present, basic safety precautions should always be followed including the following:

### **Warning:**

Indicates a potentially hazardous situation which, if not avoided, could result in serious injury.

### **(Usage)**

- For type, dose, and regime of medication follow the instructions of your doctor or respiratory therapist.
- If you feel anything unusual during use, stop using the device immediately and consult your doctor.
- Do not use only water in the nebulizer, for inhaling purposes.
- Clean and disinfect the nebulizer kit, mouthpiece and nosepiece or masks before using them for the first time after purchase, if the device has not been used for a long period of time, or if more than one person uses the same device.
- Be sure to wash the parts after use, and ensure that they are thoroughly disinfected and dried, and stored in a clean location.
- Keep the device out of the reach of unsupervised infants and children. The device may contain small pieces that can be swallowed.
- Store the device and accessories in a clean location.
- Do not store the air tube while there is moisture or medication remaining inside it.
- Always rinse the nebulizing parts with clean hot tap water after disinfecting them. Never leave the cleaning solution in the medication tank or mouthpiece.
- Do not use or store the device where it may be exposed to noxious fumes or volatile substances.
- Do not use the device where it may be exposed to flammable gas.
- Do not block the ventilation slots. Never place the device where the ventilation slots may be obstructed during operation. Do not cover the compressor with a blanket or towel etc., during use.
- Make sure that the nebulizer kit is clean before use.
- Always dispose of any remaining medication after use, and use fresh medication each time.
- Do not use in anaesthetic or ventilator breathing circuits.

### **(Risk of electrical shock)**

- Do not use the compressor or power cord while they are wet, or connect them to a power outlet or other devices with wet hands.
- The compressor and power cord are not waterproof. Do not spill water, or other liquids, on these parts. If liquid does spill on these parts, immediately unplug the power cord and wipe off the liquid with gauze or other absorbent material.

- Do not immerse the compressor in water or other liquid.
- Do not use or store the device in humid locations, such as a bathroom.
- Do not operate the device with a damaged power cord or plug.
- Keep the power cord away from heated surfaces.

Read and follow the “Important information regarding Electro Magnetic Compatibility (EMC)” (page 26).

**⚠ Caution:**

Indicates a potentially hazardous situation which if not avoided, may result in minor or moderate injury, or physical damage.

**(Usage)**

- Provide close supervision when this device is used by, on, or near children or invalids.
- Make sure that the parts are attached correctly.
- Make sure that the vaporiser head is correctly installed before use.
- Make sure that the air filter is correctly attached.
- Make sure that the air filter is clean. If the air filter has changed colour, or has been used on average for more than 60 days, replace it with a new one.
- Do not spill liquid or medication on the compressor.
- Do not tilt the nebulizer kit at an angle of greater than 45° in all directions, or shake it while in use.
- Do not use or store the device while the air tube is creased.
- Use only original nebulizing parts, air tube, air filter and filter cover.
- Do not add more than 7 ml of medication to the medication tank.
- Do not carry or leave the nebulizer kit while the medication tank contains medication.
- Do not leave the device unattended with infants or persons who cannot express their consent.
- Do not subject the device or the parts to any strong shocks such as dropping the device on the floor.
- Do not distort the vaporiser head, or jab the nozzle of the medication tank with a pin etc.
- Do not insert fingers or objects inside the compressor.
- Do not disassemble or attempt to repair the compressor or power cord.
- Do not leave the device or its parts in extreme hot or cold temperature, or under direct sunlight.
- Do not block the air filter cover.
- When disinfecting parts by boiling, make sure that the container does not boil dry.
- Never place, or attempt to dry the compressor, the power cord or nebulizer kit in a microwave oven.
- Do not use the device while sleeping or if drowsy.

- To avoid injury to the nose mucosa, do not squeeze the nosepiece into the back of the nose.
- Do not block the slit between the cap and the inhalation air inlet.
- Do not use a microwave oven or hair dryer to dry the nebulizing parts.
- Approved for human use only.
- When using the device, the main unit may become hot.
- Do not touch the main unit for other than necessary operation such as turning off the power while nebulizing.
- To avoid the medication residue on the face, be sure to wipe the face after removing the Mask.
- Do not use an autoclave, EOG gas disinfection or low temperature plasma sterilizer to disinfect the device.

### ***(Risk of electrical shock)***

- Always unplug the device from the power outlet after use and before cleaning.
- Plug the device into the appropriate voltage outlet. Do not overload power outlets or use extension cords.
- Do not wind the power cord around the compressor.
- Changes or modifications not approved by OMRON HEALTHCARE will void the user warranty.
- Do not pull the power cord strongly.

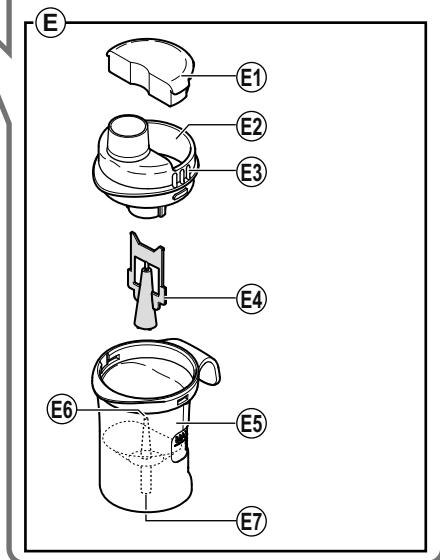
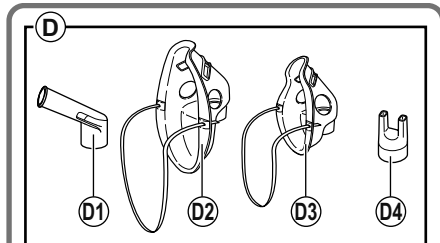
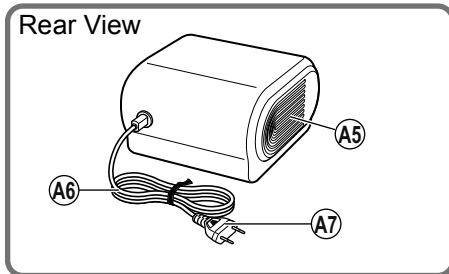
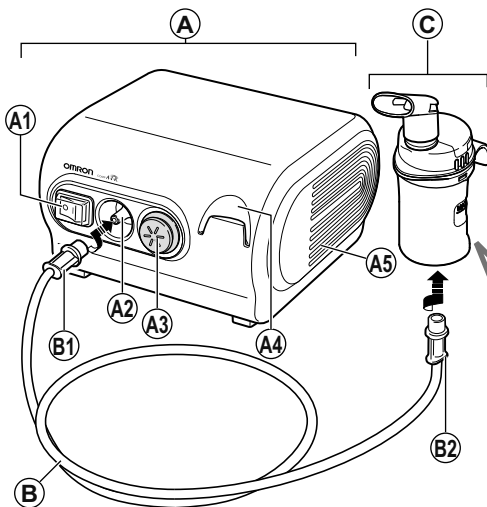
### **General Safety Precautions:**

- Inspect the device and parts before using them each time, and check that there are no problems. In particular, be sure to check the following:
  - That the vaporiser head, nozzle or air tube are not damaged.
  - That the nozzle is not blocked.
  - That the compressor operates normally.
- When using this device, there will be some noise and vibration caused by the pump in the compressor. There will also be some noise caused by the emission of compressed air from the nebulizer kit. This is normal and does not indicate a malfunction.
- Operate the device only as intended. Do not use the device for any other purpose.
- Do not use the device at temperatures greater than +40°C.
- Make sure that the air tube is securely attached to the compressor (main unit) and nebulizer kit, and does not come loose. Twist the air tube plug slightly when inserting it into the connectors to avoid the air tube disconnecting during use.
- To completely isolate the device from the power source unplug the plug from the power source.

Read and follow the “Correct Disposal of This Product” (page 26) when disposing of the device and any used accessories or optional parts.

**Save these instructions for future reference.**

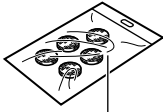
# 1. Know your unit



- A. Compressor (Main Unit)
  - A1. Power Switch
  - A2. Air Tube Connector
  - A3. Air Filter Cover (\* Air filter inside.)
  - A4. Nebulizer Kit Holder
  - A5. Ventilation Slots
  - A6. Power Cord
  - A7. Power Plug
- B. Air Tube (PVC, 200cm)
  - B1. Air Tube Plug
  - B2. Air Tube Plug
- C. Nebulizing Parts

- D. Inhalation Attachments
  - D1. Mouthpiece
  - D2. Adult Mask (PVC)
  - D3. Child Mask (PVC)
  - D4. Nosepiece
- E. Nebulizer Kit
  - E1. Cap
  - E2. Inhalation Air Inlet
  - E3. Inhalation Top
  - E4. Vaporiser Head
  - E5. Medication Tank
  - E6. Nozzle
  - E7. Air Tube Connector

## Accessories



F

F. Spare Air Filters x 5



G

G. Carrying Bag



H

H. Instruction Manual



I

I. Warranty Card



## 2. Guide to using the COMP AIR

### Preparing the Nebulizer for Use - Section 3 (page 10-13)

#### ⚠ Warning:

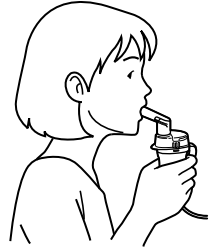
Clean and disinfect the nebulizer kit, mouthpiece and nosepiece or masks before using them for the first time after purchase, if the device has not been used for a long period of time, or if more than one person uses the same device.



### Taking Medication - Section 4 (page 14-16)

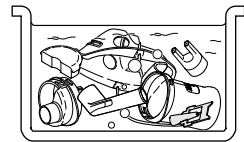
#### ⚠ Caution:

- Do not tilt the nebulizer kit at an angle of greater than 45° in all directions.
- Do not crease or fold the air tube.



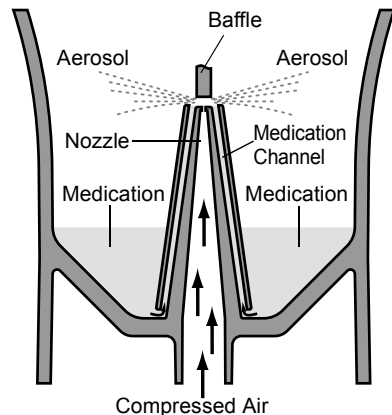
### Cleaning Parts After Use - Section 5 (page 17-20)

**Note:** Failure to clean the nebulizing parts after use may lead to infection.



### 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 tuned into fine particles and sprayed by being impacted to the baffle.



### 3. Preparing the nebulizer for use

**⚠ Warning:**

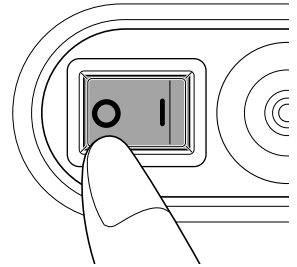
**Clean and disinfect the nebulizer kit, mouthpiece and nosepiece or masks before using them for the first time after purchase, if the device has not been used for a long period of time, or if more than one person uses the same device.**

For directions on cleaning and disinfecting, refer to Section 5 (page 17-20).

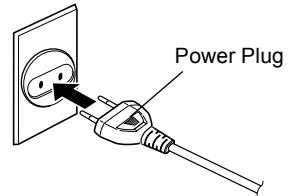
**Note:** Make sure that the air filter is changed regularly. Refer to Section 7 “Changing the air filter” (page 22).

- 
1. Make sure that the power switch is turned off.

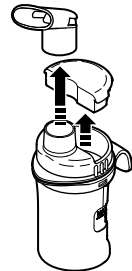
Check that the power switch is in the **○** position.



- 
2. Plug the power plug into a power outlet.

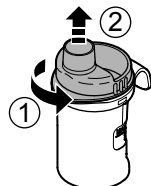


- 
3. Remove the mouthpiece and cap from the nebulizer kit.



- 
4. 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.

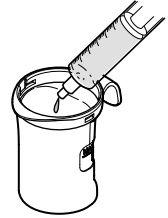


- 
5. Add the correct amount of prescribed medication to the medication tank.

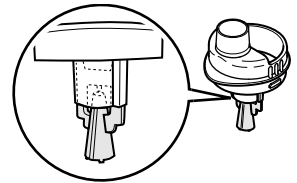
**⚠ Caution:**

The capacity of the medication tank is 2 to 7 ml.

**Note:** Scales on the nebulizer kit are for reference only. The scale on the outside of the tank is with no vaporiser head in place. Please use the scale on your syringe or vial for accurate measurement of medication.

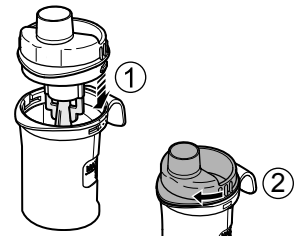


- 
6. Make sure that the vaporiser head is securely attached to the inhalation top.



- 
7. Put the inhalation top back inside the medication tank.

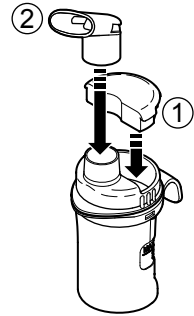
- 1) Align the protrusion on the inhalation top with the indent on the medication tank, as shown.
- 2) Rotate the inhalation top clockwise and align with the medication tank until they click in place.



8. Attach the desired inhalation attachment, as described below.

**Attaching the mouthpiece**

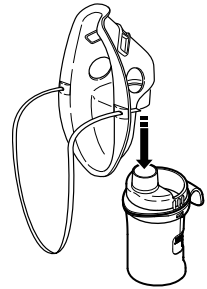
- 1) Attach the cap to the inhalation air inlet.
- 2) Attach the mouthpiece to the inhalation top.



**Attaching the adult mask (PVC)**

Attach the mask to the inhalation top.

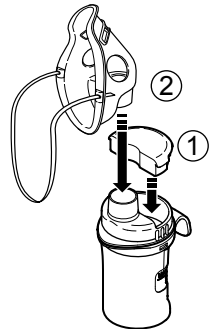
**Note:** If the amount of aerosol is too great, attach the cap.



**Attaching the child mask (PVC)**

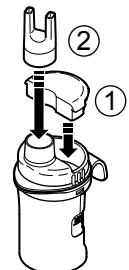
- 1) Attach the cap to the inhalation air inlet.
- 2) Attach the child mask to the inhalation top.

**Note:** If the amount of aerosol is too small, it is not necessary to place the cap.



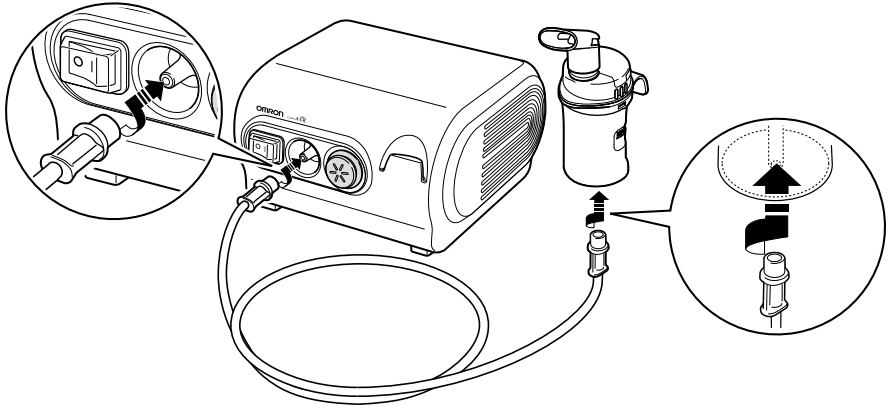
**Attaching the nosepiece**

- 1) Attach the cap to the inhalation air inlet.
- 2) Attach the nosepiece to the inhalation top.



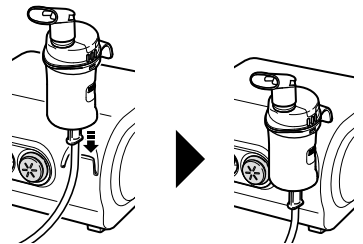
### 9. Attach the air tube.

Twist the air tube plugs slightly and push it firmly into the air tube connectors.



#### Notes:

- Make sure that the air tube is securely attached to the compressor (main unit) and nebulizer kit, and does not come loose. Twist the air tube plug slightly when inserting it into the air tube connectors to avoid the tube disconnecting during use.
- Take care not to spill the medication when attaching the air tube. Keep the nebulizer kit upright.
- Use the nebulizer kit holder as a temporary holder for the nebulizer kit.



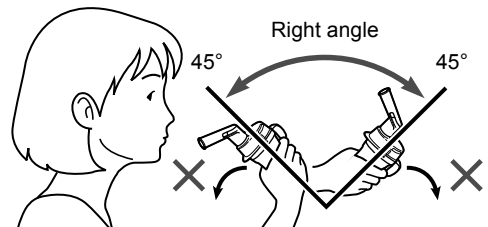
## 4. Taking medication

1. Hold the nebulizer kit as indicated on the right.



**⚠ Caution:**

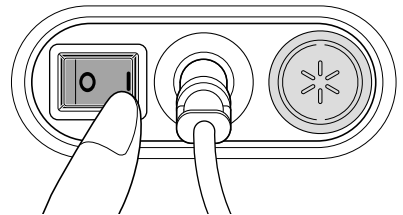
Do not tilt the nebulizer kit at an angle of greater than 45° in all directions. Medication may flow into the mouth.



2. Press the power switch to the on ( | ) position.

The compressor starts and nebulization starts.

**Note:** Observe whether aerosol is generated.



### **To stop nebulization**

Press the power switch to the off (○) position.

**⚠ Warning:**

**Do not block the ventilation slots on the compressor. This could result in the compressor overheating or malfunctioning.**

**⚠ Caution:**

- Do not block the air filter cover.
- When using the device, the main unit may become hot.
- Do not touch the main unit for other than necessary operation such as turning off the power while nebulizing.

**Note:** Do not leave the compressor on for a long period of time. This could result in the compressor overheating or malfunctioning.

3. Inhale medication according to your doctor's and/or health care adviser's instructions.

#### ***Using the mouthpiece***

Insert the mouthpiece into your mouth and inhale the medication breathing normally. Exhale as normal through the mouthpiece.



#### ***Using the nosepiece***

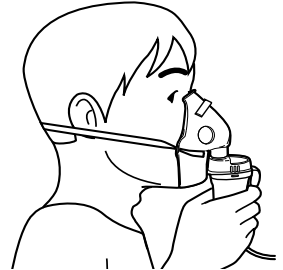
Inhale the medication through the nosepiece, as shown and exhale through the mouth.



#### ***Using the adult mask (PVC)***

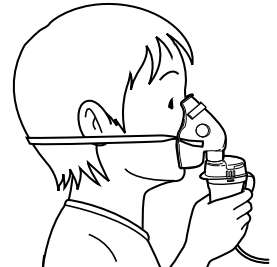
Attach the mask so that it covers your nose and mouth and inhale the medication. Exhale through the mask.

**Note:** If the amount of aerosol is too great, attach the cap.

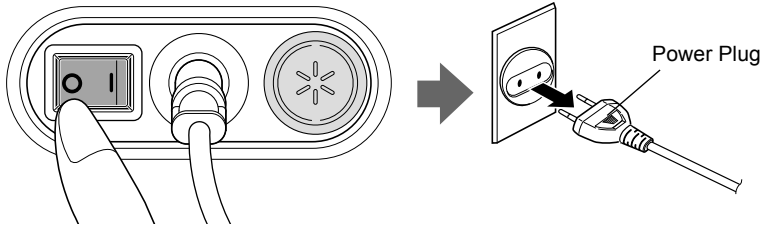


#### ***Using the child mask (PVC)***

Attach the mask so that it covers your nose and mouth and inhale the medication. Exhale through the mask.



4. When treatment is complete, turn the power off. Check that there is no condensation or moisture in the air tube and unplug the device from the power outlet.



**⚠ Warning:**

**Condensation may occur in the air tube. Do not store the air tube while it contains condensation or moisture. This could result in infection via bacteria.**

If there is moisture or liquid remaining in the air tube, be sure to follow the procedure below to remove any moisture from within the air tube.

- 1) Make sure that the air tube is still connected to the air connector on the compressor.
- 2) Unplug the air tube from the nebulizer kit.
- 3) Turn on the compressor and pump air through the air tube to expel the moisture.



## 5. Cleaning and daily disinfecting

### 5.1 Cleaning

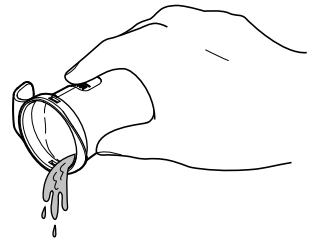
Following the cleaning instructions after each use will prevent any remaining medication in the tank from drying, resulting in the device not nebulizing effectively and also for preventing infections.

**⚠ Warning:**

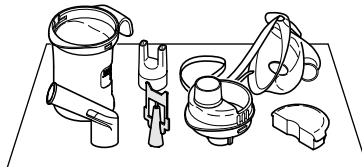
**Thoroughly rinse the nebulizer kit and the mask, nosepiece or mouthpiece with clean hot tap water after each use, and disinfect the parts of the nebulizer kit and applicable inhalation attachments after the last treatment of the day.**

**Note:** Do not start operation before the cleaned parts are completely dried.

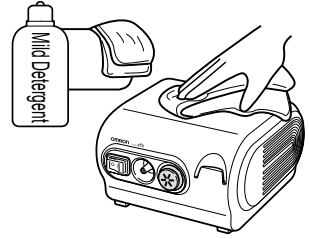
1. Make sure that the power switch is in the **○** (off) position.
2. Unplug the power cord from the electrical outlet.
3. Remove the nebulizer kit from the air tube and disassemble the nebulizer kit. Refer to Section 3 (page 10-13).
4. Discard any remaining medication in the medication tank.



5. Wash all the nebulizing parts in warm water and mild detergent and rinse in clean hot tap water.  
For instructions on how to disinfect the parts, see the following section.
6. After cleaning and disinfecting the parts, rinse them thoroughly with clean water and allow the parts to air dry in a clean environment.



7. If the compressor is dirty, wipe it clean with a soft cloth moistened with water or mild detergent.



**⚠ Caution:**  
The compressor is not waterproof.

- 
8. If the outside of the air tube is dirty, wipe it clean with a soft cloth moistened with water or mild detergent.
- 
9. Reassemble the nebulizer kit. Put the parts in a dry, sealed bag and place in the storage pocket of the carrying bag.

**Note:** Nebulizer kit should be replaced after using for one year.

## 5.2 Disinfecting the nebulizing parts

Always clean before disinfection.

Always disinfect the medication tank, mouthpiece and other nebulizing parts after the last treatment of the day. For appropriate method of disinfecting each part, refer to page 20.

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

- 
1. Submerge the parts in the cleansing solution for the specified period.
- 
2. Remove the parts and discard the solution.
- 
3. Rinse the parts with clean hot tap water, shake off excess water and allow to air dry in a clean environment.

**B.** 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.

**Note:** Do not boil Air tube, Adult mask (PVC), Child mask (PVC), Air filter and Air filter cover.

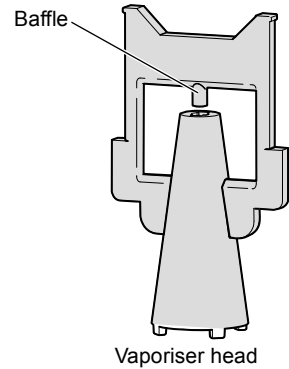
**⚠ Caution:**  
Do not use an autoclave, EOG gas disinfection or low temperature plasma sterilizer to disinfect the device.

## Handling the Vaporiser Head

The vaporiser head is an important part that is used to vaporise medication. Be sure to observe the following precautions when handling it.

### ⚠ Caution:

- Always wash the vaporiser head after each use.
- Do not use a brush or pin etc., to clean the parts.
- When disinfecting the parts by boiling, be sure to boil them in plenty of water.
- Do not boil vaporiser head together with other objects, other than applicable nebulizer accessories.
- Do not use a microwave oven, dish dryer or hair dryer to dry parts.



## 5. Cleaning and daily disinfecting

Use the table below as a guideline to select a method for disinfecting.

O : applicable x: not applicable

Parts	Model	Materials	Boiling	Alcohol	Sodium hypochlorite	Quaternary ammonium	Chlorhexidine	Amphoteric surfactant
				Disinfecting ethanol	Milton* (0.1%)	Osvan* (0.1%)	Hibitane* (0.5%)	Tego* (0.2%)
Mouthpiece	C28-3P-E	PP	O	O	O	O	O	O
Nebulizer Kit Set	C801S- NSE13-E	Cap: PP Inhalation Top: PP Vapouriser Head: PC Medication Tank: PP	O	O	O	O	O	O
Nosepiece	C28-7-E	PP	O	O	O	O	O	O
Air Filter	C28-2-E	Polyester	x	x	x	x	x	x
Air Filter Cover	C28-5-E	ABS	x	O	O	O	O	O
Adult Mask (PVC) Child Mask (PVC)	C28-8-E C28-9-E	Mask: PVC (Phthalate free) Band: Rubber (non-latex)	x	O	O	O	O	O
Adult Mask (SEBS) (optional) Child Mask (SEBS) Set (optional)	U10-1P-E U10-2P-E	Mask: SEBS Band: Rubber (non-latex) Adapter: PP	O	O	O	O	O	O
Air Tube (PVC, 200cm)	NEB-TP- L20E	PVC (Phthalate free)	x	x	x	x	x	x
Air Tube (Silicone, 100cm) (optional)	C28-6-E	Tube: Silicone Connector: PP	O	O	O	O	O	O

\* an example of commercially available disinfectant.

## 6. Maintenance and storage

To keep your device in the best condition and protect the device from damage follow these directions:

### **⚠ Caution:**

- Do not leave the unit unattended with infants or persons who cannot express their consent.
- Do not subject the device or the parts to any strong shocks such as dropping the device on the floor.
- Do not carry or leave the nebulizer while the medication tank contains medication.

### **Notes:**

- Do not store the device in extreme hot or cold temperatures, high humidity or under direct sunlight.
- Do not crease or fold the air tube.
- Dispose of the device and any used accessories or optional parts according to applicable local regulations.
- Never clean with benzene, thinner or a flammable chemical.



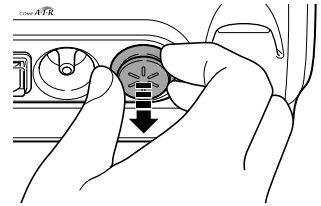
Always transport the device in its carrying bag, and store the device in the bag if it will not be used for a long period.



## 7. Changing the air filter

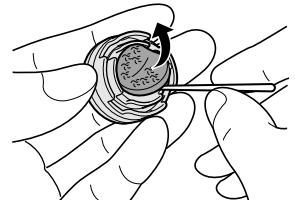
If the air filter has changed colour, or has been used on average for more than 60 days, replace it with a new one.

1. Pull the air filter cover off the compressor.



2. Change the air filter.

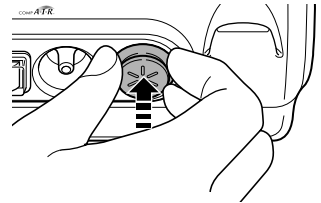
Remove the old air filter with a sharp object, such as a toothpick, and insert the new air filter.



3. Put the air filter cover back in place.

### Notes:

- Use only OMRON air filters designed for this device. Do not operate without a filter.
- There is no front or back orientation for the air filters.
- Check that air filters are clean and free of dust before inserting them.
- Do not attempt to wash or clean the filter. If the air filter becomes wet, replace it. Damp air filters can cause blockages.
- To prevent the air filter cover from becoming blocked, wash the cover regularly. Do not boil the air filter cover. Remove the air filter cover, wash it, and make sure it is dry and reattached correctly.
- Please contact your OMRON dealer for additional air filters, or if the parts supplied with the device are damaged or missing.



## 8. Troubleshooting

Check the following if your unit should fail during operation. You can also refer to the pages of this manual for complete instructions.

Symptom	Cause	Remedy
Nothing happens when the power switch is pressed.	Is the power plug plugged into an electrical outlet?	Check that the plug is inserted in an electrical outlet. Unplug then reinsert the plug if necessary.
No nebulization or low nebulization rate, when the power is on.	Is there medication in the medication tank?	Add the correct amount of medication to the medication tank.
	Is there too much/little medication in the medication tank?	
	Is the vaporiser head missing and not assembled correctly?	Attach the vaporiser head correctly.
	Is the nebulizer kit assembled correctly?	Assemble the nebulizer kit correctly.
	Is the nozzle blocked?	Make sure that the nozzle is free of blockages.
	Is the nebulizer kit tilted at a sharp angle?	Make sure that the nebulizer kit is not tilted at an angle of more than 45 degrees.
	Is the air tube connected correctly?	Make sure that the air tube is correctly connected to the compressor and nebulizer kit.
	Is the air tube folded or damaged?	Make sure that the air tube does not contain kinks.
	Is the air tube blocked?	Make sure that the air tube is free of blockages.
Is the air filter dirty?	Replace the air filter with a new one.	
The device is abnormally loud.	Is the air filter cover attached correctly?	Attach the air filter cover correctly.
The device is very hot.	Are the ventilation slots blocked?	Do not block the ventilation slots.

**Note:** If the suggested remedy does not solve the problem, do not try to repair the device - no parts of the unit are user serviceable.

Return the unit to an authorized OMRON retail outlet or distributor.

## 9. Technical data

<b>Product Description:</b>	Compressor Nebulizer
<b>Model:</b>	NE-C28P (NE-C28P-E)
<b>Electrical:</b>	220 - 240V, 50/60 Hz
<b>Power Consumption:</b>	192VA
<b>Operating Temperature/ Humidity:</b>	+10°C to +40°C 30% to 85% RH
<b>Storage Temperature/ Humidity/Air Pressure:</b>	-20°C to +60°C 10% to 95% RH 700 - 1060 hPa
<b>Weight:</b>	Approx. 1.9kg (compressor only)
<b>Dimensions:</b>	Approx. 170 (W) × 103 (H) × 182 (D) mm
<b>Contents:</b>	Compressor, Nebulizer Kit, Air Tube (PVC, 200cm), 5 pcs Spare Air Filters, Mouthpiece, Adult Mask (PVC), Child Mask (PVC), Nosepiece, Carrying Bag, Instruction Manual, Warranty Card.
<b>Classification:</b>	Class II equipment, Type B applied part



= Class II equipment



= Type B  
applied part



Read the instruction  
manual carefully



= Power off



= Power on

CE 0197

### Notes:

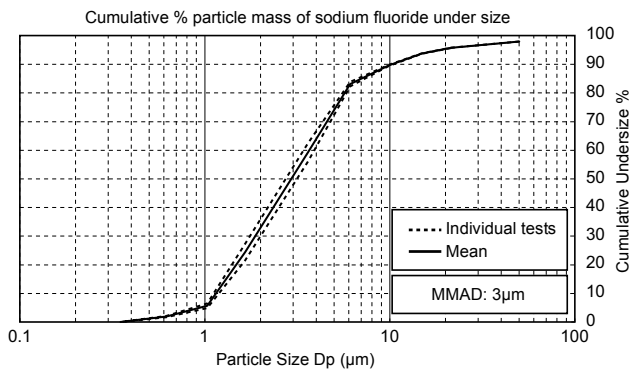
- Subject to technical modification without prior notice.
- This OMRON product is produced under the strict quality system of OMRON HEALTHCARE Co., Ltd., Japan.
- The device may not work if the temperature and voltage conditions are different to those defined in the specifications.
- Do not use the device where it may be exposed to flammable gas.
- This device fulfils the provisions of the EC directive 93/42/EEC (Medical Device Directive) and the European Standard EN13544-1:2007+A1:2009, Respiratory therapy equipment - Part1: Nebulizing systems and their components.



## Technical data for the OMRON NE-C28P Compressor with the OMRON V.V.T. (Virtual Valve Technology) Nebulizer kit N-01:

<b>Particle Size:</b>	*MMAD **approximately 3 $\mu$ m
<b>Medication Tank Capacity:</b>	7 ml maximum
<b>Appropriate Medication Quantities:</b>	2 ml minimum - 7 ml maximum
<b>Sound:</b>	Noise level (at 1 m distance) 60 dB
<b>Nebulization Rate:</b>	0.5 ml/min (by weight loss)
<b>Aerosol Output:</b>	**0.4 ml (2ml, 1%NaF)
<b>Aerosol Output Rate:</b>	**0.09 ml/min (2ml, 1%NaF)

Result of cascade impactor measurements for particle size\*\*



\*MMAD = Mass Median Aerodynamic Diameter

\*\*Independently measured by Prof. Dr. Hiroshi Takano, Department of Chemical Engineering and Materials Science, Faculty of Science and Engineering, Doshisha University, Kyoto, Japan, according to EN13544-1:2007+A1:2009

### Notes:

- Performance may vary with drugs such as suspensions or high viscosity. See drug supplier's data sheet for further details.
- See website of OMRON HEALTHCARE EUROPE to update technical information.  
 URL: [www.omron-healthcare.com](http://www.omron-healthcare.com)

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

With the increased number of electronic devices such as PC's and mobile (cellular) telephones, medical devices in use may be susceptible to electromagnetic interference from other devices. Electromagnetic interference may result in incorrect operation of the medical device and create a potentially unsafe situation.

Medical devices should also not interfere with other devices.

In order to regulate the requirements for EMC (Electro Magnetic Compatibility) with the aim to prevent unsafe product situations, the EN60601-1-2:2007 standard has been implemented. This standard defines the levels of immunity to electromagnetic interferences as well as maximum levels of electromagnetic emissions for medical devices.

This medical device manufactured by OMRON HEALTHCARE conforms to this EN60601-1-2:2007 standard for both immunity and emissions.

Nevertheless, special precautions need to be observed:

- Do not use mobile (cellular) telephones and other devices, which generate strong electrical or electromagnetic fields, near the medical device. This may result in incorrect operation of the unit and create a potentially unsafe situation. Recommendation is to keep a minimum distance of 7 m. Verify correct operation of the device in case the distance is shorter.

Further documentation in accordance with EN60601-1-2:2007 is available at OMRON HEALTHCARE EUROPE at the address mentioned in this instruction manual.

Documentation is also available at [www.omron-healthcare.com](http://www.omron-healthcare.com).



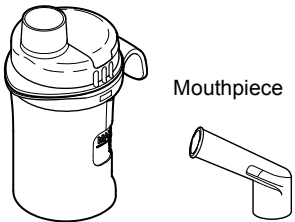
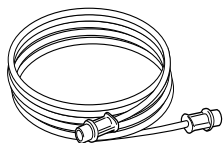


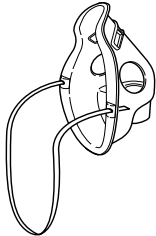
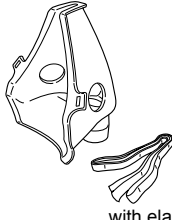
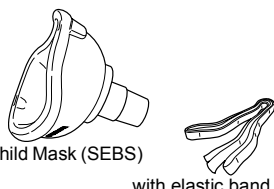

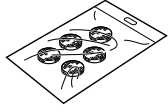
**Correct Disposal of This Product  
(Waste Electrical & Electronic Equipment)**


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 product 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 return 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 wastes for disposal.

# 10. Accessories

<p><b>Omron V.V.T. Nebulizer Kit N-01 Set</b>          Model: C801S-NSET3-E          Order No.: 9515573-6</p>  <p>Mouthpiece</p> <p>Nebulizer Kit No. : N-01</p>	<p><b>Air Tube (PVC, 200cm)</b>          Model: NEB-TP-L20E          Order No.: 9520606-3</p> 	<p><b>Mouthpiece</b>          Model: C28-3P-E          Order No.: 9956273-5</p> 
<p><b>Adult Mask (PVC)</b>          Model: C28-8-E          Order No.: 9956275-1</p> 	<p><b>Child Mask (PVC)</b>          Model: C28-9-E          Order No.: 9956276-0</p> 	<p><b>Adult Mask (SEBS)</b>          Model: U10-1P-E          Order No.: 9956312-0</p>  <p>with elastic band</p>
<p><b>Child Mask (SEBS) Set</b>          Model: U10-2P-E          Order No.: 9956281-6</p>  <p>Child Mask (SEBS) with elastic band</p>  <p>Adapter for Child Mask (SEBS)</p>	<p><b>Air Filters (x 5)</b>          Model: C28-2-E          Order No.: 9956271-9</p> 	

<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="116 319 273 382"> <tr> <td data-bbox="116 319 194 382">EC</td> <td data-bbox="194 319 273 382">REP</td> </tr> </table>	EC	REP	<b>OMRON HEALTHCARE EUROPE B.V.</b> Scorpius 33, 2132 LR Hoofddorp, THE NETHERLANDS www.omron-healthcare.com
EC	REP		
<b>Production facility</b>	<b>OMRON (DALIAN) Co., Ltd.</b> Dalian, CHINA		
<b>Subsidiary</b>	<b>OMRON HEALTHCARE UK LTD.</b> Opal Drive Fox Milne, Milton Keynes, MK15 0DG, U.K.		
	<b>OMRON MEDIZINTECHNIK HANDELSGESELLSCHAFT mbH</b> John-Deere-Str. 81a 68163 Mannheim, GERMANY www.omron-medizintechnik.de		
	<b>OMRON SANTÉ FRANCE SAS</b> 14, rue de Lisbonne, 93561 Rosny-sous-Bois Cedex, FRANCE		

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