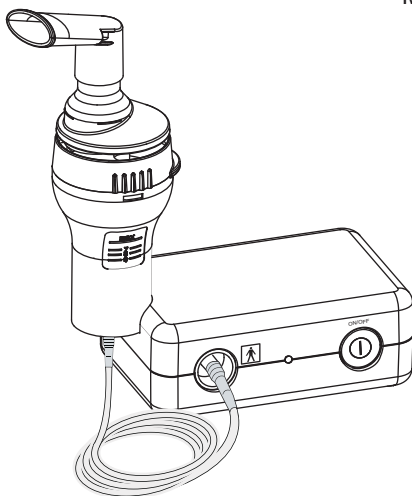


# Instruction Manual

## Compressor Nebuliser

MODEL No.:NE803



- Please keep this instruction manual safe for your future use.
- Please use only USB 5V/1A which complies with the standard of IEC 60601-1, which provide 2 MOPP.
- Limit use to 15 minutes at a time, and allow a 40 minutes interval before using the device again.

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(Before using the device)

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# 1. Introduction

- Thank you for purchasing our Compressor Nebuliser.
- The Device includes a nebuliser kit, an air tube, an instruction manual, a compressor with an air pump that generates compressed air, a mouthpiece and masks (adult & child).  
The nebuliser kit converts the liquid medication into a fine aerosol which is inhaled by the patient via a mouthpiece for the treatment of respiratory disorders.
- The Compressor Nebuliser is a medical device. Operate the device only as instructed by your doctor and/or respiratory therapist.
- The device fulfils the provisions of the EC directive 93/42/EEC (Medical Device Directive) and the European Standard EN13544-1:2007, Respiratory therapy equipment - Part1: Nebulising systems and their components.

## 2. Indications for Use

<b>Intended Use</b>	The device is intended to be used for spraying liquids in aerosol form into gases that are delivered directly to the patient for breathing.
<b>Intended User</b>	Legally certified medical experts, such as doctor, nurse and therapist, or healthcare personnel or patient under the guidance of qualified medical experts for the home treatment. The user should also be capable of understanding general machine operation and the content of instruction manual.
<b>Intended Patients</b>	The device should not be used by patients who are unconscious or are not breathing spontaneously.
<b>Environment</b>	The device is intended for use in a medical facility and general household.
<b>Durable Period</b>	Durable periods are as follows, provided the device is used to nebulize 2 ml of medication twice a day for 7.5 minutes each time at room temperature (23°C). Durable period may vary depending on usage environment. Frequent use of the device may shorten the durable period. Compressor (Main unit)                      2 years Nebulizer Kit                                      1 year Mouthpiece                                        1 year Air Tube (PVC, 100cm)/Mask                1 year Air Filter    60 days
<b>Precautions for use</b>	Warnings and cautions described in the instruction manual should be observed.

### 3. Symbols Use

SYMBOLS USED IN THIS INSTRUCTION MANUAL	
 <b>WARNING</b>	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 <b>CAUTION</b>	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient or damage to the equipment or other property.
	Transport package shall be kept away from rain.
	AUTHORISED REPRESENTATIVE IN THE EUROPEAN COMMUNITY
	Refer to instruction manual/booklet
	MANUFACTURER
	SERIAL NUMBER
	Type BF applied part
	The marking of electrical and electronics devices according to Directive 2002/96/EC. The device, accessories and the packaging have to be disposed of correctly at the end of the usage. Please follow Local Ordinances or Regulations for disposal.

## 4. Important Safety Notes

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

To ensure the correct use of the device, basic safety notes should always be followed including the precautions listed below:

### **⚠ Warning:**

Indicate 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.
- Do not use water in the nebuliser, for nebulising purposes.
- If you feel anything unusual during use, stop using the device immediately and consult your doctor.
- Do not use the device where it may be exposed to flammable gas.
- Make sure that the nebuliser kit is clean before use.
- Do not operate the device in the presence of any anaesthetic, inflammable mixtures or oxygen.
- Clean and disinfect the nebuliser kit, mouthpiece or mask 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 nebuliser kit, mouthpiece or mask after every 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 nebulising parts with clean boiled 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 cover the compressor nebuliser with a blanket or towel etc, during use.
- Always dispose of any remaining medication after use, and use fresh medication each time.
- Do not use in anaesthetic or ventilator breathing circuits.
- Any components, if damaged and not user serviceable, need to be repaired by qualified service personnel.

## 4. Important Safety Notes -1

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

- The compressor nebuliser is not waterproof. Do not spill water, or other liquids on these parts. If liquid does spill on these parts, immediately unplug the USB and wipe off the liquid with gauze or other absorbent material.
- Do not immerse the compressor (main unit) in water or other liquid.
- Do not use or store the device in humid locations, such as a bathroom.
- USB must comply with the standard of IEC 60601-1, which provide 2 MOPP.

### **(Cleaning and disinfecting)**

Observe the rules below when cleaning or disinfecting parts. Failure to observe these rules may result in damage, inefficient nebulisation or infection. For the instructions, refer to “Cleaning and disinfecting” section.

- Clean and disinfect the nebuliser kit, mask, or mouthpiece before using them when as follows:
  - the first time after purchase.
  - the device has not been used for a long period of time.
  - more than one person uses the same device.
- Be sure to wash or wipe the parts after use, and ensure that they are thoroughly disinfected and dried, and stored in a clean location.
- Do not leave the cleaning solution in the parts.

### **Caution**

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

- Provide close supervision when the device is used by, on, or near children and the physically incapable.
- Make sure that the parts are attached correctly.
- 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 nebuliser kit at an angle of greater than 45 degrees 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 nebulising parts, air tube, air filter and air filter cover.
- Do not add more than 10 ml of medication to the medication tank.

## 4. Important Safety Notes -2

- Do not carry or leave the nebuliser kit while the medication tank contains medication.
- Do not leave the device unattended with infants or persons that 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.
- Do not disassemble or attempt to repair the compressor nebuliser.
- Do not block the air filter cover.
- When sterilising the parts by boiling, make sure that the container does not get to such a temperature that the water evaporates.
- Do not leave the device in extreme hot or cold temperature, or under direct sunlight.
- Do not use the device while sleeping or if drowsy.
- The compressor may become hot during operation.
- Limit use to 15 minutes at a time, and allow a 40 minutes interval before using the device again.
- Do not touch the compressor for other than necessary operation such as turning off the power while nebulising.
- To avoid the medication residue on the face, be sure to wipe the face after removing the mask.
- Do not use a damaged nebuliser kit, or mouthpiece.
- 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 device or the parts.
- Approved for human use only.

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

- Always remove the batteries and unplug the USB power cable after use and before cleaning.
- Changes or modifications will void the user warranty.
- When an external USB power supply is used in the device, such as an ME system, only use a USB that complies with the standard of IEC 60601-1, which provide 2 MOPP.

### **(Cleaning and disinfecting)**

Observe the rules below when cleaning or disinfecting parts. Failure to observe these rules may result in damage, inefficient nebulisation or infection. For the instructions, refer to “Cleaning and disinfecting” section.

- Do not use a microwave oven, dish dryer or hair dryer to dry the device or the parts.
- Do not use an autoclave, EOG gas steriliser or low temperature plasma steriliser.

## 4. Important Safety Notes -3

- When disinfecting the parts by boiling, make sure that the container does not get to such a temperature that the water evaporates. Otherwise it may result in fire.

### **General Safety Precautions:**

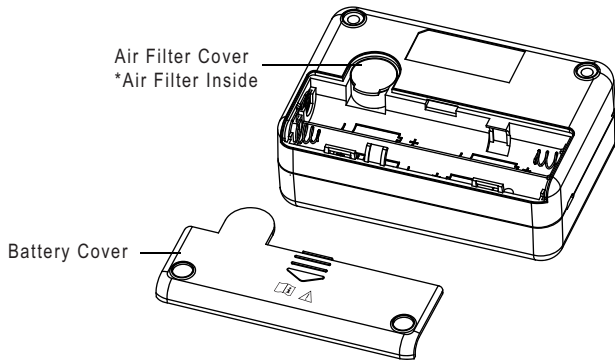
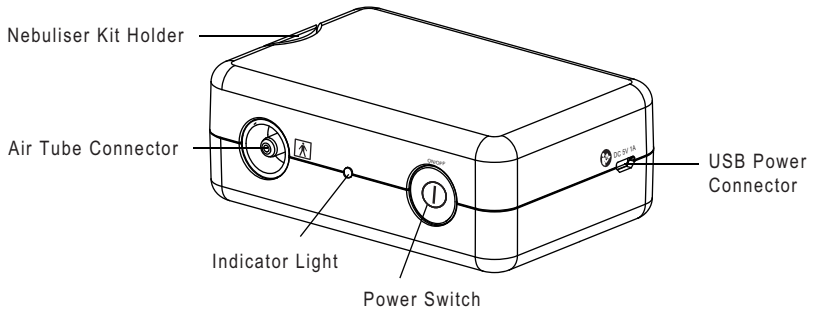
- Inspect the device and the parts before using them each time, and check that there are no problems. In particular, be sure to check the following:
  - That the vaporiser head, nozzle or air tube are not damaged.
  - That the nozzle is not blocked.
  - That the compressor operates normally.
- When using the 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 nebuliser kit, which 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 out of +5°C to +40°C.
- Make sure that the air tube is securely attached to the compressor (main unit) and the nebuliser kit and does not come loose. Twist the air tube plug slightly when inserting it into the connector to avoid the tube disconnecting during use.
- Remove the batteries if the unit will not be used for 3 months or longer.

## Return Policy

Product may be returned if faulty, please contact the Retailer or Kinetik directly if you're experiencing issues with your product. This does not affect your statutory rights. Please note the retailer's own return policy may still be valid, contact the retailer for more information.



## 5. Know your device



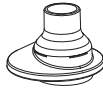
- Air Tube x 1  
(PVC、100cm)



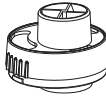
# 5. Know your device -1

Nebuliser Kit x1

Cap



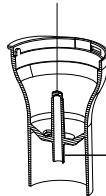
Inhalation Top



Vaporiser Head



Nozzle



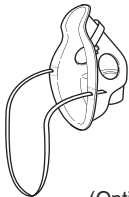
Medication Tank



Air Tube Connector

## Accessories

Adult Mask (PVC)

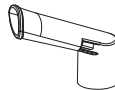


(Option )

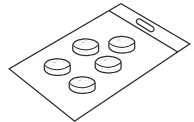
Child Mask (PVC)



Mouthpiece x1



Spare Air Filters x 5



Air Tube (PVC, 100cm)



## Material of attachment

Air tube/Mask:

PVC

Air Filter:

Polyester

Mouthpiece:

PP

• Also applicable Section : Optional parts and accessories

## 6. Guide to using the compressor nebuliser

### Preparing the Nebuliser for Use

**Note:** Clean and disinfect the nebuliser kit and the applicable inhalation attachments before using the device for the first time, or if it has not been used for more than one week.



### Taking Medication

**Notes:**

- Do not tilt the nebuliser kit so that it is at an angle of over 45°.
- Do not crease or fold the air tube.



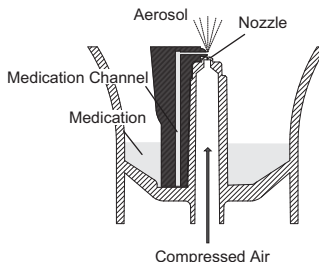
### Cleaning Parts After Use

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



### How does the nebuliser kit work?

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



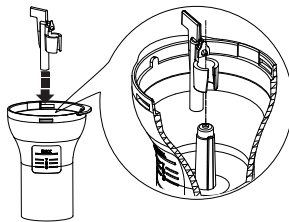
## 7. Preparing the Nebuliser for Use

### **⚠ Warning:**

Clean and disinfect the nebuliser kit, mouthpiece or mask 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 the parts of the device please refer to 'Cleaning and Disinfecting' section of instruction manual.

**Note:** Make sure that the air filter is changed regularly. (See "Changing the air filter".)

- 
1. Attach the vaporiser head to the medication tank.



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

### **⚠ Caution:**

**The capacity of the medication tank is 2 to 10 ml.**

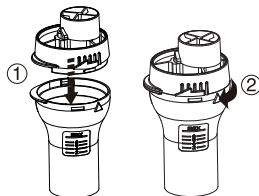
**Note:** Scales on the nebuliser kit are for reference only. Please use the scale on your syringe or vial for accurate measurement of medication.



## 7. Preparing the Nebuliser for Use -1

3. Attach the inhalation top onto the medication tank.

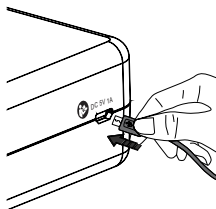
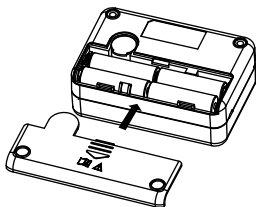
- 1) Put the inhalation top onto the medication tank, as shown.
- 2) Rotate the inhalation top clockwise and align with the medication tank until they click in place.



4. Attach the cap onto the inhalation top



5. Prepare the batteries or the power supply.



External USB Power Supply

⚠ Do not use new batteries with any used battery together.

## 7. Preparing the Nebuliser for Use -2

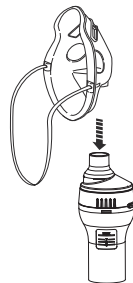
6. Attach the desired inhalation attachment, as described below.

Attach the mouthpiece to the the cap.



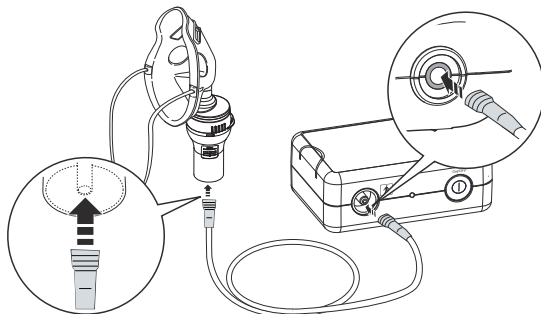
### Attaching the mask (PVC)

Attach the mask to the cap.



7. Attach the air tube.

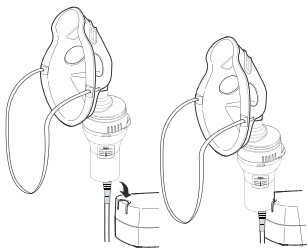
- 1) Attach the air tube to the air connector on the compressor.
- 2) Attach the other end of the air tube to the air tube connector on the medication tank.



## 7. Preparing the Nebuliser for Use -3

### Notes:

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



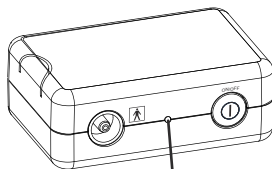
- The status description of the compressor

1) The compressor running starts and the indicator LED lightens once the switch is pressed.

2) The compressor running and the indicator LED lightening stop once the switch is pressed once again, or the compressor running / the indicator LED lightening will continue for about 15 minutes.

3) The compressor running stops and the indicator LED flashes about 2 minutes if the battery voltage gets low.

4) The USB power supply is used in preference to the batteries.



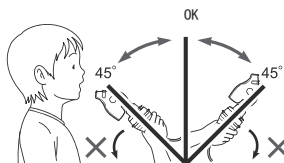
Indicator Light

## 8. Taking Medication

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

**⚠ Caution:**

**Do not tilt the nebuliser kit so that it is at an angle of over 45°. Medication may flow into the mouth.**



2. Press the power switch ①  
The compressor starts and nebulisation starts.

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

**To stop nebulisation**

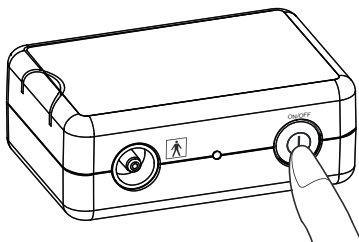
Press the power switch ① when nebulising.

**⚠ Warning:**

Do not cover the compressor with a blanket or towel etc during use, which could result in the compressor overheating or malfunctioning.

**⚠ Caution:**

Do not block the air filter cover.



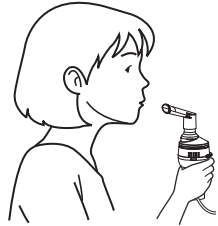


## 8. Taking Medication -1

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

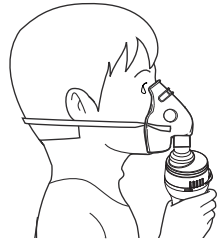
### Using the mouthpiece

Put the mouthpiece in your mouth and inhale the medication breathing normally. Exhale as normal through the mouthpiece.



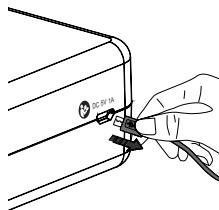
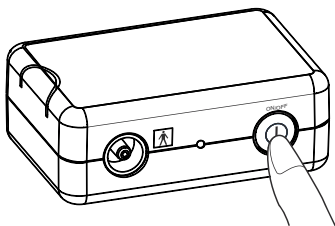
### Using the mask (PVC)

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



## 8. Taking Medication -2

4. When the treatment is complete, turn the power off. Check that there is no condensation or moisture in the air tube and remove the batteries and/or unplug the USB power cable.



External USB Power Supply

### **⚠ Warning:**

**Condensation may occur in the air tube. Do not store the air tube while it contains condensation or moisture, otherwise it may 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) Make sure that the compressor is connected with an appropriate USB or the batteries are put in the battery compartment.
- 3) Unplug the air tube from the nebuliser kit.
- 4) Turn on the compressor and pump air through the air tube to expel the moisture.

## 9. Cleaning and Daily Disinfecting

### 9.1 Cleaning

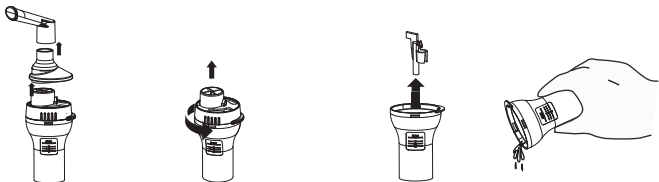
Follow the cleaning instructions after each use to prevent from resulting in damage, inefficient nebulisation or infection.

#### **⚠ Warning:**

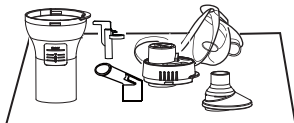
**Thoroughly rinse the nebuliser kit and the mask or mouthpiece with clean hot tap water after each use. Disinfect the parts of the nebuliser kit and applicable inhalation attachments after the last treatment of the day.**

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

1. Make sure that the compressor is switch off.
2. Unplug the USB from the USB Power Connector and/or remove the batteries.
3. Remove the nebuliser kit from the air tube and disassemble the nebuliser kit.

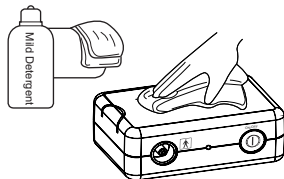


4. Discard any remaining medication in the medication tank.
5. Wash all the nebulising parts in warm water and mild detergent and rinse in clean hot tap water, or wash in a dishwasher. For instructions on how to disinfect the parts, see the following section.
6. After cleaning and disinfecting the parts, rinse them thoroughly with clean water and allow the parts to air dry in a clean environment.



## 9. Cleaning and Daily Disinfecting -1

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

9. Store the device in a clean and dry location.

Note: Make sure that the parts are clean and dry.

**Note:** The nebuliser kit accessories should be replaced after using for 1 year.

### 9.2 Disinfecting the nebulising parts

Always disinfect the medication tank, mouthpiece and other nebulising parts after the last treatment of the day. To disinfect the parts, use one of the methods described below:

- 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. The parts may be boiled between 15 to 20 minutes (except for PVC mask). After boiling, carefully remove the parts, shake off excess water and allow to air dry in a clean environment.

## 9. Cleaning and Daily Disinfecting -2

### Handling the Vaporiser Head

The vaporiser head is used to vaporise medication.

Be sure to observe the following precautions when handling it.

#### **⚠ Caution:**

- **Always wash the vaporiser head after each use. Failure to do so could cause blockages and a deterioration in your condition due to a failure to vaporise medication effectively.**
- **Do not use a brush or pin to clean the parts, otherwise it may damage the vaporiser head and cause a deterioration in your condition due to a failure to vaporise medication effectively.**
- **When disinfecting the parts by boiling, be sure to boil them in plenty of water. If there is insufficient water, the parts could become distorted due to the high temperature. Distorted parts could cause a deterioration in your condition due to a failure to vaporise medication effectively.**
- **Do not boil vaporiser head together with other objects, other than applicable nebuliser accessories, otherwise it may damage the vaporiser head and cause a deterioration in your condition due to a failure to vaporise medication effectively.**
- **Do not use a microwave oven, dish dryer or hair dryer to dry parts. The parts could become distorted due to the high temperature and cause a deterioration in your condition due to failure to vaporise medication effectively.**



Vaporiser Head

## 10. Maintenance and Storage

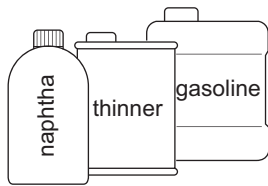
To keep the device in the best condition and protect the device from damage, follow these directions:

### **Caution:**

- **Do not leave the device unattended with infants or persons that cannot express 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 nebuliser 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 parts according to applicable local regulations.
- Never clean with benzene, thinner or a flammable chemical.

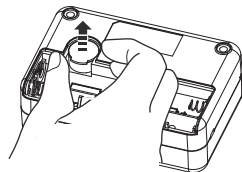


## 11. Changing the Air Filter

On average, the air filter should be changed every 60 days or so, or when the air filter has changed colour from white.

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1. Pull the air filter cover off the compressor.



2. Change the air filter.

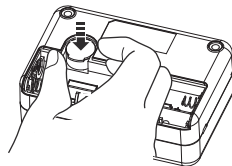
Remove the used air filter with a sharp object, such as a toothpick, and insert the new air filter.



3. Put the air filter cover back in place.

### Notes:

- Use only the air filters designed for the device. Do not operate without a filter.
- There is no front or back orientation for the air filters.
- Check that air filter is clean and free of dust before inserting.
- Do not attempt to wash or clean the air filter. If the air filter becomes wet, replace it. Damp air filter can cause blockage.
- 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 that it is dry and reattached correctly.
- Please contact Kinetik Wellbeing for additional air filters or the parts supplied with the device if damaged or missing.



## 12. Troubleshooting

Check the following if the device fails 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.	Are there batteries in the battery compartment or is a USB power supply connected to the USB connector on the compressor?	Put AA batteries in the battery compartment or connect a USB power supply to the USB connector on the compressor.
Nebulisation stops automatically in 10 seconds after the power switch is pressed.	The batteries are not new.	Change new batteries or connect a USB power supply after pulling out the batteries from the battery compartment.
No nebulisation or low nebulisation rate, when the power is on.	Is there medication in the medication tank?	Fill the medication tank.
	Is there too much/little medication in the medication tank?	Add the correct amount of medication to the medication tank.
	Is the vaporiser head missing and not assembled correctly?	Attach the vaporiser head correctly.
	Is the nebuliser kit assembled correctly?	Assemble the nebuliser kit correctly.
	Is the vaporiser head blocked?	Rinse the outlet of the vaporiser head with clean hot tap water.
	Is the nozzle blocked?	Make sure that the nozzle is free of blockages.
	Is the nebuliser kit tilted at a sharp angle?	Make sure that the nebuliser 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 the nebuliser 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.	Is the compressor covered with a blanket or towel etc, during use.	Do not cover the compressor with a blanket or towel etc, during use.

### Notes:

- If the suggested remedy does not solve the problem, do not try to repair the device - no parts of the device are user serviceable.  
Return the device to an authorized retail outlet or distributor.



## 13. Technical Data

<b>Name:</b>	Compressor Nebuliser
<b>Model:</b>	NE803
<b>Type:</b>	Compressor Nebuliser
<b>Power Source:</b>	1.5Vx4AA Size Alkaline batteries or USB 5V 1A
<b>Barometric Pressure:</b>	700hPa-1060hPa
<b>Operating Temperature/ Humidity:</b>	+5°C to +40°C/15% to 90% RH
<b>Storage Temperature/ Humidity:</b>	-25°C to +35°C at a relative humidity up to 90%, non-condensing; >35°C to 70°C at a water vapour pressure up to 50 hPa.
<b>Weight:</b>	Approx. 180g (compressor only)
<b>Dimensions:</b>	Approx. 115 (W) × 77 (D) × 42 (H) mm (compressor only)
<b>Contents:</b>	a nebuliser kit, an air tube, an instruction manual, a compressor and a mouthpiece, a mask (masks) (option).
<b>Operating time:</b>	15min.ON-40 min.OFF.
<b>Built-in timer:</b>	Compressor works about 15 minutes once the switch is pressed and then stops.
<b>Compressor flow:</b>	2-10 L/min
<b>Compressor pressure:</b>	360-550mmHg

### Notes:

- Subject to technical modification without prior notice.
- The device is produced under our strict quality system.
- The device may not work if the temperature and voltage conditions are different to those defined in the specifications.

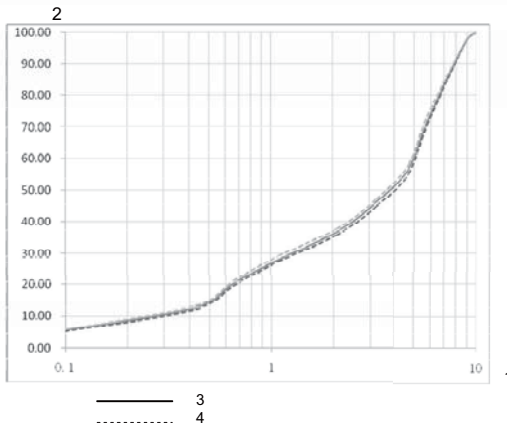
## 13. Technical Data -1

### Technical data for the compressor with the Nebuliser kit:

<b>Appropriate Medication Quantities:</b>	2ml minimum - 10ml maximum
<b>Medication Capacity:</b>	10 ml maximum
<b>Particle Size:</b>	**MMAD Approx. 3.9 $\mu$ m MMAD = Mass Median Aerodynamic Diameter
<b>Nebulisation Rate:</b>	Approx. 0.3 ml/min without mouthpiece (by weight loss)
<b>Noise level:</b>	less than 58 dB at 1M distance
<b>Aerosol Output:</b>	0.3627ml (1%(M/V) NaF
<b>Aerosol Output Rate:</b>	0.045ml (1%(M/V) NaF/min

### Notes:

- Performance may vary with drugs such as suspensions or high viscosity. See drug supplier's data sheet for further details.
- \*\*Independently measured according to EN 13544-1



1. Particle Size Dp ( $\mu$ m)
2. cumulative undersize %
3. mean
4. individual tests

# 14. EMC Table

## Guidance and manufacture's declaration

### Guidance and manufacture's declaration – electromagnetic emission

The Compressor Nebuliser is intended for use in the electromagnetic environment specified below. The customer or the user of the Compressor Nebuliser should assure that it is used in such an environment.

Emission test	Compliance	Electromagnetic environment – guidance
RF emissions CISPR 11	Group 1	The Compressor Nebuliser use RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emission CISPR 11	Class B	The Compressor Nebuliser is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Not applicable	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Not applicable	

### Guidance and manufacture's declaration – electromagnetic immunity

The Compressor Nebuliser is intended for use in the electromagnetic environment specified below. The customer or the user of Compressor Nebuliser should assure that it is used in such an environment.


Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floor are covered with synthetic material, the relative humidity should be at least 30%.
Power frequency (50Hz/60Hz) magnetic field IEC 61000-4-8	3V/m	3V/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

NOTE UT is the a.c. mains voltage prior to application of the test level.

# 14. EMC Table -1

## Guidance and manufacture's declaration – electromagnetic immunity

The Compressor Nebuliser is intended for use in the electromagnetic environment specified below. The customer or the user of Compressor Nebuliser should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Radiated RF IEC 61000-4-3	3V/m 80 MHz to 2.5 GHz	3V/m	<p>Portable and mobile RF communications equipment should be used no closer to any part of the Compressor Nebuliser, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.</p> <p><b>Recommended separation distance</b>  <math>d = 1.167 \sqrt{P}</math> 80 MHz to 800 MHz  <math>d = 2.333 \sqrt{P}</math> 800 MHz to 2.5 GHz</p> <p>Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey,<sup>a</sup> should be less than the compliance level in each frequency range.<sup>b</sup> Interference may occur in the vicinity of equipment marked with the following symbol:</p> 

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

<sup>a</sup> Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Compressor Nebuliser is used exceeds the applicable RF compliance level above, the Compressor Nebuliser should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the Compressor Nebuliser.

<sup>b</sup> Over the frequency range 150 KHz to 80 MHz, field strengths should be less than 3V/m.

## 14. EMC Table -2

### Recommended separation distances between portable and mobile RF communications equipment and the Compressor Nebuliser.

The compressor nebuliser is intended for use in an electromagnetic environment in which Radiated RF disturbances are controlled. The customer or the user of the Compressor Nebuliser can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Compressor Nebuliser as recommended below, according to the maximum output power of the communications equipment.

output power of transmitter	Separation distance according to frequency of transmitter (m)	
	80 MHz to 800 MHz $d = 1.167 \sqrt{P}$	800 MHz to 2.5GHz $d = 2.333 \sqrt{P}$
0.01	0.117	0.233
0.1	0.369	0.738
1	1.167	2.333
10	3.689	7.379
100	11.667	23.333

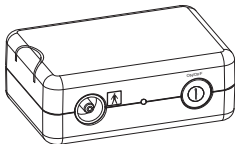
For transmitters rated at a maximum output power not listed above, the recommended separation distance  $d$  in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where  $P$  is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz. the separation distance for the higher frequency range applies.

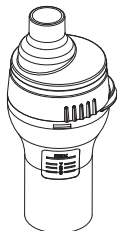
NOTE 2 These guidelines may not apply in all situations .Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

## 15. Optional parts and accessories

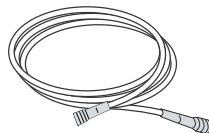
compressor



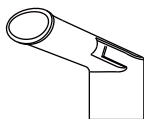
Nebuliser Kit



Air Tube (PVC, 100cm)



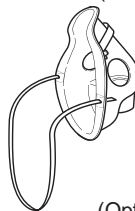
Mouthpiece



Child Mask (PVC)



Adult Mask (PVC)

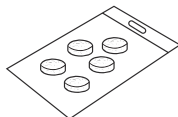


(Option )

Instruction Manual



Air Filters (x 5)



Distributor:



CE  
0197



**European representative name:**

ShangHai International Holding Corp. GmbH (Europe)  
Address: Eiffestrasse 80, 20537 Hamburg Germany



**Shenzhen Kingyield Technology Co., Ltd.**

Section C1-2, FuHai Industrial Zone, Fuhai Road  
FuYong Town, Bao'an District, 518103 ShenZhen City,  
GuangDong, PEOPLE'S REPUBLIC OF CHINA