

EN English

Introduction

You thank for purchasing a NE100 Compressor Nebulizer. With proper care and use, your nebulizer will provide you with many years of reliable treatments. This unit operates on standard AC power. Treatments are delivered quickly, safely and conveniently making this unit ideal for all ages. We encourage you to thoroughly read this guidebook to learn about the features of your nebulizer. You may also contact your physician or pharmacist to inquire about the use of a nebulizer and/or a respiratory therapist. Together with your physician and/or respiratory therapist, you can feel comfortable and confident knowing that you are obtaining the most effective inhalation treatments for your respiratory condition.

NOTE:

Your nebulizer is intended for use in treatment of asthma, COPD and other respiratory ailments in which an aerosolized medication is required during therapy.

Please consult with your physician and/or pharmacist to determine if your prescription medication is approved for use with this nebulizer. For type, dose and regime of medication follow the instructions of your doctor or respiratory therapist.

This device fulfills the provision of the EC directive 93/42/EEC (Medical Device Directive) and the European Standard EN 13544-1:2007+A1:2009 Respiratory therapy equipment - Part 1: Nebulizer systems and their components.

Please read this manual carefully before use and be sure to keep this manual.

Cautions

Please use general safety precautions when operating your nebulizer. This unit should be used only for its intended purpose as described in this guidebook and with medications only under the supervision and instruction of your physician. Do not use the device in anesthetic or ventilator breathing circuits.

Product information

READ THE FOLLOWING BEFORE USING

- To avoid electrical shock - keep unit away from water.
- Do not handle the unit or power cord with wet hands.
- Do not immerse the unit in liquid.

Do not use while bathing.

Do not reach for a unit that has fallen into water immediately unplug the unit.

Do not use a unit if it has any damaged parts (including plug), if it has been submerged in water or dropped.

The unit should not be used where flammable gas, oxygen or aerosol spray products are being used.

Keep the air vents open. Do not place the unit on a soft surface where the openings can be blocked.

If the medication cup is empty, do not attempt to operate the unit.

If any abnormality occurs, discontinue to use until the unit has been examined and repaired.

The unit should not be left unattended while plugged in.

Do not tilt or shake the unit when in operation.

Disconnect the unit from the electrical outlet before cleaning, filling and after each use.

Do not use attachments unless recommended by the manufacturer.

Do not disassemble or attempt to repair the unit.

Do not use the device in anesthetic or ventilator breathing circuits.

Operating cautions

Close adult supervision is highly recommended when the unit is used by children or infants.

Keep young eyes away from the output of medication mist.

The maximum capacity of the medication cup is 5 ml and should not be overfilled.

Do not use this unit while operating a vehicle.

If any discomfort or abnormality occurs, stop using the unit immediately.

Do not use the device if the air tube is bent.

Pentamidine is not an approved medication for use with this device.

Storage cautions

Do not store the unit in direct sunlight, high temperature or humidity.

Keep the unit out of reach of small children.

Always keep the unit unplugged while not in use.

Cleaning caution

Check the filter, nebulizer, mouthpiece and any other optional component before each use. Dry or worn parts should be replaced.

Do not immerse the unit in water. It may damage the unit.

Disconnect the unit from the electrical outlet before cleaning.

Clean all necessary parts after each use as instructed in this guidebook.

Always dispose of any remaining medication in the medication cup after each use.

Use fresh medication each time you use the device.

Do not store the air tube or moisture or medication remaining in the air tube. This could cause damage to the unit.

MEDICAL DISCLAIMER

This manual and product are not meant to be a substitute for advice provided by your doctor or other medical professionals.

Don't use the information contained herein or this product for diagnosing or treating a health problem or prescribing any medication. If you have or suspect that you have a medical problem, promptly consult your doctor.

Durable periods are as follows, provided the product is used to nebulize 2ml of medication 2 times a day for 8 minutes each at room temperature (25°C). Durable period may vary depending on usage environment.

- Main unit 5 years
- Nebulizer Kit 1 year
- Air Tube, Mouthpiece 1 year
- Air Filter 60 days
- Adult and child masks 1 year

Product specifications

Power AC 230V/50Hz or AC 220V/60Hz or AC 110V/60Hz

Power Consumption ≤ 130W

Sound Level ≤ 60 dBA (1 meter away from NE100)

Compressor Pressure Range ≥ 29 psi (200 kPa)

Operating Pressure Range ≥ 15 psi (103 kPa)

Operating Flow Range ≥ 3.5 lpm

Operating Temperature Range 10°C to 40°C (50°F to 104°F)

Operating Humidity Range 10 ~ 90% RH

Operating Atmospheric Pressure Range 700-1060 hPa

Storage Humidity Range -20°C to 70°C (-4°F to 140°F)

Dimension (L x W x H) 204.5mmx148mmx108mm (8.05x83.4x25.25)

Weight 1360g (without accessories)

Medication Capacity 5ml(cc)

Particle Size (MMAD) ≤ 2.6μm

Average Nebulization Rate ≥ 0.35 ml/min

Standard Accessories Nebulizer Kit, Air Tube, Mouthpiece, Filters (5pc), Adult and child masks.

*Subject to technical modification without prior notice.

*Performance may vary with drugs such as suspensions or high viscosity. See drug's supplier's data sheet for further details.

4. Follow the cleaning procedures provided in this guidebook.

D Cleaning procedure

Rinsing technique (performed after each treatment or before first use).

1. Make sure that the power-switch has been turned to the "OFF" position and the tube has been disconnected from the nebulizer.

2. Disconnect the air tube from the nebulizer device.

3. Gently twist and pull up the cover of the nebulizer kit to open and separate.

4. Rinse the nebulizer kit and components with hot tap water.

5. Dry with clean towels or completely air dry.

6. Reassemble the nebulizer kit.

NOTE: For the first time cleaning or after the unit has been stored for an extended period of time, thoroughly clean all components, except the air tube. The nebulizer kit is dishwasher safe.

Cleaning the compressor

With a cloth dampened with water.

NOTE: Any type of cleaning or cleaning agents may damage the finish of the unit.

E Changing the air filter

It is important to change the air filter approximately when the air filter turns gray. It is recommended to change air filter every 2 months.

1. Remove the filter cover by gently pulling forward.

2. Discard the gray filter.

3. Replace with a new, clean air filter.

4. Securely re-attach the air filter cover to the unit.

NOTE: Air filters cannot be cleaned or washed. Only NE100 air filters can be used.

Do not substitute alternate material such as cotton. Do not operate without an air filter.

NOTE: Air filters should not be used where flammable gas, oxygen or aerosol spray products are being used.

Keep the air vents open. Do not place the unit on a soft surface where the openings can be blocked.

If the medication cup is empty, do not attempt to operate the unit.

If any abnormality occurs, discontinue to use until the unit has been examined and repaired.

The unit should not be left unattended while plugged in.

Do not tilt or shake the unit when in operation.

Disconnect the unit from the electrical outlet before cleaning, filling and after each use.

Do not use attachments unless recommended by the manufacturer.

Do not disassemble or attempt to repair the unit.

Do not use the device in anesthetic or ventilator breathing circuits.

Protection against electric shock

• Class II equipment .

Type BF applied parts:

• Mouthpiece and mask .

Protection against harmful ingress of water and particulate matter:

• IP21

Degree of safety in the presence of flammable anesthetics or oxygen:

• Not AP/APG (not suitable for use in the presence of flammable anesthetics or oxygen).

Guidance and manufacturer's declaration/electromagnetic emissions

The NE100 is intended for use in the electromagnetic environment specified below.

The customer or the user of the NE100 should assure that it is used in such an environment.

Emission test

Compliance

Electromagnetic environment-guidance

The NE100 is intended for RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in other devices.

RF emissions CISPR 11 Group 1

≤ 6 V/KW contact + 8 KV air

≤ 8 KV air

≤ 12 V/KW

≤ 24 V/KW for power supply lines

+ 12 V/KW for input/output lines

≤ 32 V/KW for power supply network that supplies buildings used for domestic purposes

Guidance and manufacturer's declaration/electromagnetic immunity

The NE100 is intended for use in the electromagnetic environment specified below.

The customer or the user of the NE100 should assure that it is used in such an environment.

Immunity test

Compliance

Electromagnetic environment-guidance

The NE100 is intended for RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in other devices.

RF emissions CISPR 11 Class B

≤ 8 V/KW contact + 8 KV air

≤ 12 V/KW

≤ 24 V/KW for power supply lines

+ 12 V/KW for input/output lines

≤ 32 V/KW for power supply network that supplies buildings used for domestic purposes

Guidance and manufacturer's declaration/electromagnetic immunity

The NE100 is intended for use in the electromagnetic environment specified below.

The customer or the user of the NE100 should assure that it is used in such an environment.

Immunity test

Compliance

Electromagnetic environment-guidance

The NE100 is intended for RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in other devices.

RF emissions CISPR 11 Class A

≤ 8 V/KW contact + 8 KV air

≤ 12 V/KW

≤ 24 V/KW for power supply lines

+ 12 V/KW for input/output lines

≤ 32 V/KW for power supply network that supplies buildings used for domestic purposes

Guidance and manufacturer's declaration/electromagnetic immunity

The NE100 is intended for use in the electromagnetic environment specified below.

The customer or the user of the NE100 should assure that it is used in such an environment.

Immunity test

Compliance

Electromagnetic environment-guidance

The NE100 is intended for RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in other devices.

RF emissions CISPR 11 Class B

≤ 8 V/KW contact + 8 KV air

≤ 12 V/KW

≤ 24 V/KW for power supply lines

+ 12 V/KW for input/output lines

≤ 32 V/KW for power supply network that supplies buildings used for domestic purposes

Guidance and manufacturer's declaration/electromagnetic immunity