

EN English

Introduction

Thank you for purchasing a NB60 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. Your compressor nebulizer should be used under the supervision of a licensed physician 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 treatment for your respiratory needs.

Note: This 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: Nebulizing systems and their components.

Please read the following 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 cautions

READ THE FOLLOWING BEFORE USING
• To avoid electrical shock; keep unit away from water.

• Do not immerse the unit in liquid.

• Do not use the unit if it has fallen into water immediately unplug the unit.

• Do not use the unit if it has any damaged parts (including plug), if it has been submerged in water or dropped. Promptly send the unit for examination and repair.

• 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.

• 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 plug or unplug the AC adapter into the electrical outlet with wet hands.

• NOTE: Air filters cannot be cleaned or washed. Only NB60 air filters can be used.

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

• Do not dismantle or attempt to repair the unit.

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

Operational cautions

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

• Keep the unit 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 comfort 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 cautions

• Check air filter, mouthpiece, mouthpiece and any other optional component before each use.

• Type BF applied parts:

- 1. Attach one end of the air tube connector to the air output.
- 2. Carefully attach the opposite end of the air tubing connector to the stem at the base of the nebulizer unit.
- 3. Attach the angled mouthpiece or mask to the top of the nebulizer.
- 4. The capacity of the medication cup is 2–5 ml.
- NOTE: A 30-minute interval is recommended after each use.

Operating your nebulizer

After every use:

1. Unplug the unit from the power source.

2. Allow the unit to completely cool.

3. Carefully detach the air tubing from the nebulizer and pour out any remaining medication.

4. Follow the cleaning procedures provided in this guidebook.

E Using the AC Adapter

1. Check that the power switch is in the "OFF" position.

2. Connect the AC adapter with the AC adapter jack in the back of the unit.

3. Plug the AC adapter into the socket. (AC adapters with re-required voltage and current indicated near the AC adapter jack.)

4. Use only the authorized AC Adapter with this nebulizer.

5. Press the power switch to the "ON" position.

F Cleaning procedures

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 unit has been unplugged from the power source.

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.

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.

• 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 plug or unplug the AC adapter into the electrical outlet with wet hands.

NOTE: Air filters cannot be cleaned or washed. Only NB60 air filters can be used.

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

• Do not dismantle or attempt to repair the unit.

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

G 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 air filter cover by gently pulling forward.

2. Discard the gray filter.

3. Replace with a clean, clear filter.

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

NOTE: Air filters cannot be cleaned or washed. Only NB60 air filters can be used.

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

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

H Cleaning the compressor

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1. Remove the air filter cover by gently pulling forward.

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3. Replace with a clean, clear filter.

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

NOTE: Air filters cannot be cleaned or washed. Only NB60 air filters can be used.

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

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

I Troubleshooting

If any abnormality occurs during use, please check and correct the following:

1. Unit does not operate when power switch is pressed: Check the AC connection to the outlet.

2. No misting or low rate of misting:

- Check that the unit is operating in the nebulizer cup.
- Check for any physical damage.
- Check the position of the nozzle inside the nebulizer.
- Make sure that the tube and other components are properly attached.
- Check the air filter and replace if necessary.

3. Protection against electric shock:

- Class II equipment.

4. Type BF applied parts:


5. Protection against harmful ingress of water and particulate matter:

- IP21

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

- No API/APG (not suitable for use in the presence of flammable anesthetics or oxygen).

7. MEDICAL DISCLAIMER:

- This product is 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 10 minutes each time at room temperature (25°C). Durable period may vary depending on usage environment.

• Main unit 3 years

• Nebulizer Kit 1 year

• Air Tube 1 year

• Air Filter 60 days

• Adult and child masks 5 years

Product specifications

AC Adapter

DC12V, 1A

AC100~240V, 50~60Hz

Power Consumption

≤ 12 W

Sound Level

≤ 55 dBA (1 meter away from NB60)

Compressor Pressure Range

≥ 16 psi (110 kPa)

Operating Pressure Range

≥ 2.0 lpm

Operating Temperature Range

10°C to 40°C (50°F to 104°F)

Operating Humidity Range

≤ 90% RH

Operating Atmospheric Pressure Range

700~1060 hPa

Storage Temperature Range

-20°C to 60°C (-4°F to 140°F)

Storage Humidity Range

≤ 90 % RH

Dimension (L x W x H)

134.7mmx88.3mmx54mm
(5.3x4.8x2.13 inches)

Weight

286.5g (without accessories)

Particle Size (MMAD)

≤ 2.6μm

Average Nebulization Rate

Fully open Valve ≥ 0.2ml/min
(0.9% Saline Solution)

Closed Valve ≥ 0.08ml/min
(0.9% Saline Solution)

Standard Accessories

Nebulizer Kit, Air Tube, Mouthpiece, Filters (5pcs), Adult and child masks

*Subject to technical modification without prior notice.

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

Product identification

1. Nebulizer Kit

2. Nozzle

3. Angled Mouthpiece

4. Air Filter

5. Child Mask

6. Adult Mask

7. Air Tube

8. Air Output

9. Air Filter

10. Power Switch

11. AC Adaptor Jack

B Valve Adjustable Technology

The proprietary adjustable valve is able to deliver medications of different viscosity levels according to every user's conditions and needs at ease. Our VA technology allows users to adjust different levels of nebulization rate ranging from 0.08 – 0.2 ml/min per minute at constant particle size.

The nebulization rates can be adjusted by the user in a very easy way without experiencing changes