



VocalMist

Portable Nebulizer



INSTRUCTION MANUAL

Model: VocalMist 2nd Gen

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Thank you for purchasing a VocalMist Portable Nebulizer! We're excited to be part of your vocal health journey. Please read this manual carefully to ensure correct usage and keep it on hand for future reference. The illustrations contained in this user manual are schematic.

Safety Notes

- ◆ VocalMist Portable Nebulizer is for use as a nebulizer only. Do not use this device for any other purpose.
- ◆ This product should not be used by children or persons with certain disabilities except under correct supervision and guidance.
- ◆ Be sure to keep the saline cup dry between uses. Clean and disinfect the saline cup using the instructions in this manual as needed.
- ◆ Do not use this device if any components are damaged.
- ◆ Exposure to water can damage the battery. If the battery becomes submerged, do not use the device.
- ◆ Your VocalMist Portable Nebulizer is for use with sterile Isotonic Saline ONLY. Use of other substances, including water or oils, may damage the unit.
- ◆ VocalMist Portable Nebulizer is not a medical device and should not be used for medication unless approved by a doctor.

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

Product Description

- 1. Product Name:** VocalMist Portable Nebulizer
- 2. Model No:** VocalMist 2nd Generation
- 3. Working Principles and Mechanism**

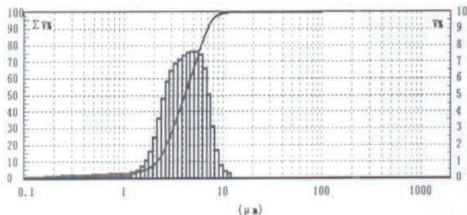
The working principle of the portable nebulizer is achieved by micro-metal mesh oscillation via the rapid oscillation of the circuit and piezoelectric ceramic transducer chip, which sends the liquid through the metal mesh at tiny particle sizes ($3\mu\text{m}$). This function immediately forms numerous tiny atomized particles to be inhaled through the mask or mouthpiece to enter the user's respiratory system. Through this nebulized inhalation the saline can be directly absorbed by the user's mouth, throat, trachea, larynx, etc., through the body's mucous membrane for full hydration and topical treatment.

4. Specification

Power Supply	DC 4.8V (Inbuilt lithium titanate battery)or DC5.0V with AC adapter
Power Consumption	4.0W
Nebulization Rate	0.35ml/min
MMAD	1~5 μm
Working Frequency	110kHz \pm 10kHz
MMAD	2.5 \pm 30% μm
Medication Liquid Temperature	\leq 113°F/45°C
Maximum Capacity	10ml
Product Size/Weight	37.6mm(L) \times 37.6mm(w) \times 97.7mm(H)/100g Including Batteries
Security Level	Internal power supply B type equipment

Working Environment	Temperature 5°C ~40°C Relative Humidity ≤80%R.H. Non-condensing state Atmospheric pressure (86.0~106.0)kPa
Storage/delivery Environment	Temperature -20°C ~55°C Relative Humidity ≤80%R.H. Non-condensing state Atmospheric pressure (70.0~106.0)kPa
Batteries Life	The remaining capacity keeps more than 80% of the initial capacity after 3000 cycles of use

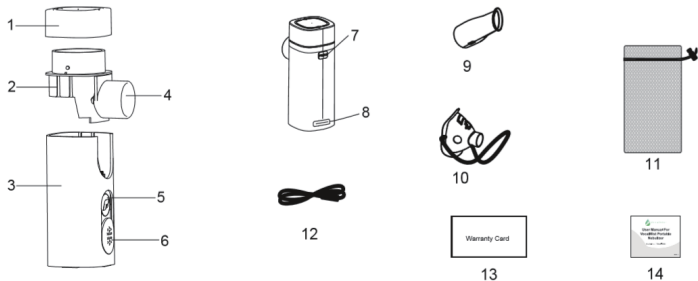
The median particle size in this nebulizer is measured with 0.9% physiological saline under conditions of a temperature of $25 \pm 3^{\circ}\text{C}$ and a humidity of $60\% \pm 5\%$ R.H. The equivalent particle size distribution curve of the particles measured under these conditions is as follows:



Note: the horizontal axis is the particle size value, the value is logarithmic distribution; The left vertical axis is the cumulative percentage of the volume, corresponding to the rising trend of the curve;

The right vertical axis is the volume percentage of a certain section, corresponding to the histogram or undulating

5. Product Contents



No	Name	Qty
1	Cap	1
2	Saline Cup	1
3	Nebulizer Body	1
4	Spray Nozzle	1
5	Power Switch	1
6	Slide Switch	1
7	"Press" Button	1
8	Mini USB Interface	1

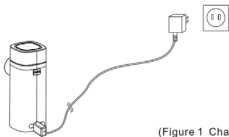
No	Name	Qty
9	Mouthpiece	1
10	Mask	1
11	Velvet Bag	1
12	USB Cable	1
13	Warranty Card	1
14	User Manual	1

Note: Please refer to the configuration list

6. Age Restricted Use

Applicable to saline nebulization for adults. Infants and children should use only under adult supervision.

Battery Charging



(Figure 1 Charging diagram)

The green indicator light will flash when low battery level is detected. Charge your device when the battery is low. Charging time is approximately 1 hour. The indicator light will stop flashing when the battery is fully charged.

Your nebulizer can be used for about 60 minutes from a full charge

Note

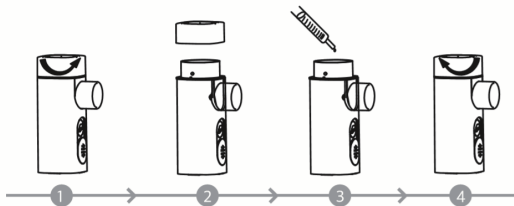
1. Charge your nebulizer at least once per month, even if you are not using it.
2. Do NOT disassemble the Lithium Titanate battery.

Warning

- ◆ Dispose of used batteries according to local environmental regulations.
- ◆ Do NOT dispose batteries in regular trash to avoid pollution.
- ◆ Do NOT attempt to dismantle or repair your nebulizer or any of its components.
- ◆ If your battery needs to be replaced, consult VocalMist LLC for instructions or replacement.

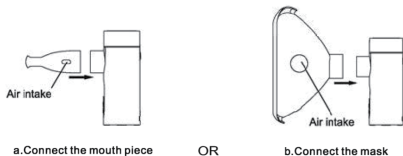
1. Prepare: Clean and disinfect all components as needed before use.
2. Insert saline: Open the saline cup by turning the cap counterclockwise. Empty saline vial into the cup and replace the cap.

Note: Do NOT fill past the max fill line.



Assembly and Use

- 1) Remove the unit and all accessories from packaging.
- 2) Install accessories as shown below:



a. Connect the mouth piece

OR

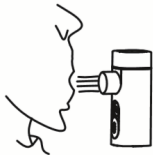
b. Connect the mask

3) Power Supply

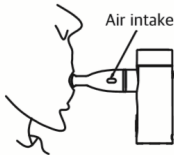
- a. VocalMist Portable Nebulizer does not include a power adapter. Use a regular standard adapter that complies with GB 9706.1-2 007 or IEC 60601-1 : 2012 requirements
- b. The technical parameters of the power adapter should conform with output DC 5.0V/1.0A
- c. This device is equipped with a rechargeable Lithium titanate battery.
- d. Connect the USB cable to the Mini Connector Interface on your nebulizer and connect the other terminal to the power adapter.

Use Instructions

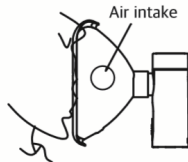
1. Click Power Button to power on and begin nebulizing.
2. Hold your nebulizer upright to keep the liquid in contact with the nebulization mesh. Use any of the following three inhalation methods according to individual needs.



a: direct inhalation



b: by mouthpiece



c: By mask

3. Breathe normally to inhale the saline mist.

4. Your nebulizer will power off automatically after 10 minutes. If you need to continue use, press the Power Button again. Make sure there is enough liquid in the saline cup.
5. After nebulization, press the Power Button to turn off your nebulizer. Remove cap and pour out any leftover liquid and do not reuse. Leave cap off and allow the saline cup to dry completely after each use.

Note:

If not held upright, liquid or condensation may become coagulated around the spray connector and mesh disc and cause the device to stop producing mist. Should nebulization stop, remove the nozzle and other accessories. Shake the device lightly to dislodge liquid buildup. If the problem persists, use a clean medical gauze to wipe residue. To prevent damage, do NOT touch the metal disc.

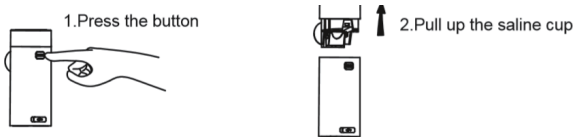
Cleaning and Disinfection

1. AFTER EACH USE

- ◆ Remove the cap and lightly shake any remaining saline solution from the cup. Leave the cap off and allow the saline cup to dry completely before replacing the cap
- ◆ The Mask and Mouthpiece may be cleaned with disinfectant or soap and water. They are dishwasher safe

2. TO DISINFECT (as needed or when cup becomes visibly dirty)

1. Clean the mouthpiece and mask as instructed above
2. Add 3-6ml of warm water to the saline cup followed by 2-3 drops of white distilled vinegar and nebulize. Do not inhale the vinegar solution. Ensure the mist does not come in contact with surfaces that may be damaged by vinegar.
3. When the vinegar solution is gone, remove the saline cup from the nebulizer body and rinse the interior of the cup.



4. Allow the saline cup to dry completely before reassembling.
5. Clean the nebulizer exterior with a disinfecting wipe. Do NOT submerge the nebulizer body in water.
6. Store your nebulizer and all components in a clean and dry place or your Carrying Case to avoid dust, dirt, and damage.

Note:

Any disinfectant residue should be thoroughly cleaned before resuming use.

Troubleshooting

Troubleshooting for VocalMist Portable Nebulizer

Item	Problem	Possible cause/solution
1	Device light does not power on	<ol style="list-style-type: none"> 1. Check to see if the nebulizer is charged. 2. Check to see if the liquid cup is filled.
2	Low nebulization, Device shuts off even though it is charged, green light blinks	<ol style="list-style-type: none"> 1. Confirm that the cup been filled only with saline. 2. Tilt the unit so that the liquid is in contact with the spray mesh. 3. The spray mesh maybe blocked by minerals. You can drop 2 or 3 drops of white vinegar into the saline cup with 3-6ml warm water, then fully nebulize. Rinse the saline cup with water and let fully dry before reconnecting to device body. 4. Remove the saline cup and check that the gold pins are not stuck. They should move in and out easily. Confirm that the corresponding gold circles on the nebulizer body are not tarnished, If they appear tarnished, lightly scarp the gold pins to remove tarnish before reconnecting.

Maintenance and Storage

1) Maintenance

1. Normal Working Conditions

- a. Environment temperature:
41°F/5°C~104°F/40°C
- b. Relative humidity: ≤80%R.H., non-condensing state
- c. Atmospheric: (86.0~106.0)kPa
- d. Power: DC 4.8V (Lithium titanate batteries) or AC power adapter (purchased by user, refer to "Product Description Section").

2. Maintenance Instructions

VocalMist works best under the listed Normal Working Conditions

- a. Keep your nebulizer away from any open flame or heating device. Do not use an oven, microwave oven, fan, or any other method to dry your nebulizer and accessories. Air dry ONLY.
- b. Do not wrap the power cord around the unit.
- c. See "Troubleshooting Section" if any irregularities or malfunctions occur.
- d. If your nebulizer is still not working properly, please contact VocalMist LLC.
- e. Do not expose the nebulizer/accessories to any corrosive liquids or gases.

2) Storage

1. Storage Conditions

- a. Environment temperature: -4°F/-20°C~131°F/55°C
- b. Relative humidity: ≤80%R.H.
- c. Atmospheric: (70.0~106.0)kPa
- d. Other considerations: Non-corrosive gas, good ventilation. Avoid high temperatures, humidity, and direct sunlight.

2. Storage Instructions

- a. Your nebulizer will last for 5 years if stored as indicated.
- b. Your nebulizer should be promptly cleaned and disinfected after each use. The saline cup and other accessories should be stored in the original packaging or Carrying Case after cleaning and air drying. Store in the recommended environmental conditions and avoid any impact.

Precautions and Warnings

- ◆ This device is intended for human use only. Follow all instructions. VocalMist Portable Nebulizer should not be used by children or persons with with certain disabilities except under correct supervision and guidance.
- ◆ Use original parts and accessories only. Warranty service is not provided for damage caused by after market parts or any user-caused damage.
- ◆ Refer to “Troubleshooting Section” if you experience any malfunctions or issues. Do not attempt to repair the device. Contact VocalMist LLC if you continue to experience problems.
- ◆ Completely dry the saline cup and accessories after each use.
- ◆ Your VocalMist Portable Nebulizer is for use with sterile Isotonic Saline ONLY.
- ◆ Do NOT shake or vigorously move your nebulizer when there is liquid inside the cup.
- ◆ Do not share VocalMist with others to avoid infection.
- ◆ Keep the liquid in contact with the metal disc when in use.
- ◆ Do NOT use your nebulizer in the shower.
- ◆ Do NOT use near flammable gas or near oxygen and anesthetic mixtures.
- ◆ Do NOT use this device in extreme temperatures to avoid fire or malfunction.
- ◆ Avoid dropping the device or exposing it to strong vibration.
- ◆ Do NOT use any liquid containing oils, esters, herbal extracts, or suspended particles.
- ◆ Do NOT submerge the nebulizer body to protect the battery and USB connectors.





- ◆ Do not use a microwave oven to dry or disinfect the unit; this may cause fire.
- ◆ Keep your VocalMist out of reach of children and infants.
- ◆ Do not touch the metal disk in the saline nozzle with hands or any sharp objects as this may cause damage.
- ◆ Do NOT store your nebulizer in a wet or dusty environment.
- ◆ Consult a doctor before use if you have any medical respiratory considerations.
- ◆ Do not disassemble, repair, or modify the device as this may cause electric shock, battery leakage, or fire.



- ◆ Dispose of this device and any accessories in accordance with local regulations. Illegal disposal may pollute the environment.











Warnings

- ◆ Consult a doctor before use if you have diabetes or another illness.
- ◆ This device is not intended for medical use. Consult a doctor regarding any medical needs.
- ◆ Stop use immediately and consult a doctor if any discomfort occurs. Do not use if you have a salt allergy
- ◆ Use of any oil may damage the device.
- ◆ The device can not be used with a respiration anesthesia system or respirator system.
- ◆ Avoid exposing this device to any liquids to avoid the possibility of electric shock or malfunction.



Symbol Index

1. Signs and symbols

 <p>Refer to instruction manual/ booklet NOTE On ME EQUIPMENT</p>	 <p>Separate collection for electrical and electronic equipment</p>	 <p>General Imperative</p>	 <p>No toxic and harmful substances and elements</p>
 <p>Upward</p>	 <p>Do not disassemble</p>	 <p>Avoid Moisture</p>	 <p>The application part of Type BF</p>
 <p>Be careful of electricshock</p>	 <p>Note, Warning, refer to enclosed file</p>		

Warranty

Within 6 Months

The VocalMist Portable Nebulizer is warranted to be free from material defects and workmanship defects appearing within 6 months from the date of purchase when used in accordance with the instructions provided with the device. VocalMist LLC will, at our option, repair or replace without charge. Any repair service out of the scope of warranty will be charged accordingly. Please contact support@myvocalmist.com to obtain this warranty service.