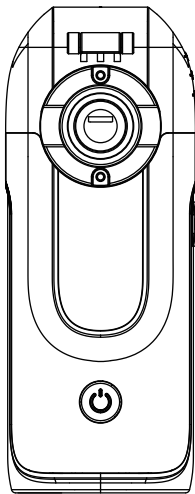




Instruction Manual



Mesh Nebulizer MY-131B

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Introduction

Thank you for purchasing MY-131B mesh nebulizer (Hereinafter referred to the device), please read the manual carefully to make sure that you can operate it correctly and safely. Please store the manual well after reading it for later reading and referencing.

【Quality Assurance】

Main unit 12 months for free warranty, medication bottle(including mesh plate) 3 months for free warranty. During warranty period, we depend on the damage to decide if maintenance is required or damaged part is to be changed.

Accessories are consumables, and thus do not belong to warranty range. If you need to change, we recommend our company's accessories.

The details given below not including in warranty range:

- The damage caused by human fall, touch, soaking, wet
- The damage caused by not in accordance with the correct operating instructions.
- Damaged by accident.
- Without our company's authority, users who disassemble and assemble by selves.
- Products Serial No. is teared or can't be recognized well, and no warranty card and No Original Invoice available.

 **NOTE:** Take Warranty Card to contact local distributor or our company if your nebulizer needs to be repaired. Meanwhile please keep packing box in safe place so that it can be used when you send it to our company.

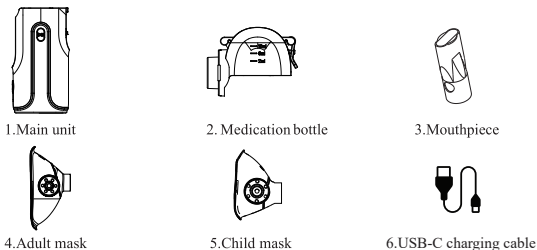
Chapter 1 Product Introduction

1.Product Overview

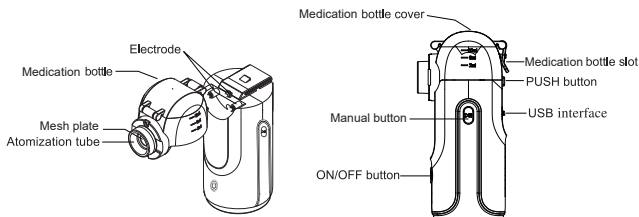
The device is designed for respiratory diseases treatment and respiratory tract infection prevention. The device is pushed by certain circuit frequency vibration to make piezoelectric ceramic vibrate harmony that caused high speed vibration of metal mesh. And the medicine liquid will be quickly popped through micro mesh hole of metal mesh plate to be countless micro atomizing particles. This will further transfer by inhalation treatment using masks or mouthpieces to patients' respiratory system.

2.Components

Main unit, Medication bottle (including atomization tube and mesh plate), Accessories (mouthpiece, adult mask, child mask). Details see Picture 1:



Picture 1 Components



Picture 2 Detailed Components

3.Available Range

The nebulizer is designed for respiratory diseases treatment and respiratory tract infection prevention. It is widely used in curing diseases of respiratory system, such as cold, fever, bronchitis, asthma, pneumonia, pneumonic mycosis and pulmonary heart disease. It can also be used to cure occupational disease; give throat care to the artists, cure ENT (ear, nose, throat) diseases like chronic allergic rhinitis, acute laryngitis, acute pharyngitis, acute

tonsillitis, etc.

The nebulizer shall be used with face mask, and the face mask's connection tube diameter shall be $20.0 \pm 0.1 \text{ mm}$, therefore the face mask can be connected to the nebulizer tightly.

4. Applicable people scope

The nebulizer is available to adults, aged people, infants and children must under adults supervision.

The nebulizer can be used at household environment.

Contraindications:

- 1) The device can not be applied to anesthesia breathing system and respiratory system.
- 2) Infants and children must under adults supervision.
- 3) Pentamidine is not applicable to the device.
- 4) Thick or viscous liquids are not applicable to the device.

5. Working Principle

The device is pushed by certain circuit frequency vibration to make piezoelectric ceramic vibrate harmony that caused high speed vibration of metal mesh. And the medicine liquid will be quickly popped through micro mesh hole of metal mesh plate to be countless micro atomizing particles. This will further transfer by inhalation treatment using masks or mouthpieces to patients' respiratory system.

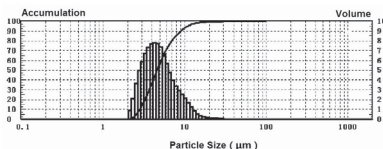
6. Main Performance Index

Please see Table 1, it was tested by 0.9% physiological saline under the condition of temperature $25 \pm 3^\circ \text{C}$, humidity $60\% \pm 5\% \text{ R.H.}$

Fog particle equivalent volume (Picture 3)

Table1 Main Performance Index

Nebulizer ultrasonic working frequency	$110 \text{ KHz} \pm 10\%$
Nebulizer spraying rate	$\geq 0.2 \text{ ml/min}$
Medication liquid temperature	$\leq 40^\circ \text{C}$
Working noise	$\leq 50 \text{ dB}$
Fog particle media diameter	$\text{MMAD} < 5 \mu \text{m}$



Picture 3 Fog Particle Equivalent Volume

NOTE : The horizontal line is particle diameter, the data are the logarithm distribution; Left vertical line is cumulative percentage of volume, corresponding to the curve upward trend; Right vertical line is a range of volume percentage, corresponding to Graph histogram or rolling.

Chapter 2 Operation

To prevent cross infection, the nebulizer is used only by one person

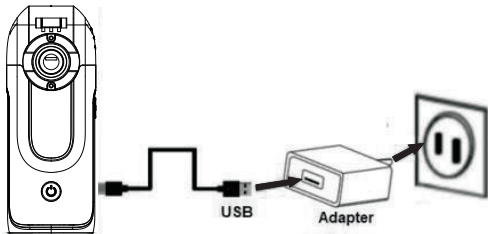
Please clean and disinfect nebulizer when you first using it or before and after using, then dry it, see Chapter 3.

Charging the battery

1.Power supply

This nebulizer is powered with lithium batteries. The battery can be charged with USB connect to 5Vd.c. 1.0A min. power supply with the USB cable.

- 1) Connect the power adapter to the socket on the side of the nebulizer.
- 2) Plug the other end of the power adapter into the wall outlet.
- 3) The icon  Slow blinks.
- 4) When the battery is fully charged, the icon  will keep bright.



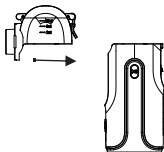
picture 2 charging

CAUTION:

Use the power adapter to meet the electrical safety standard.

2, Nebulizer Assembly

- 1, Please clean and disinfect nebulizer before using, then dry it, see chapter 3 in details).
- 2, Attach the nebulizer medication bottle to the main unit, by pushing the bottle into the guide rails on the unit, until you hear a "Click" sound. (Picture 5).



Picture 5 Nebulizer Assembly

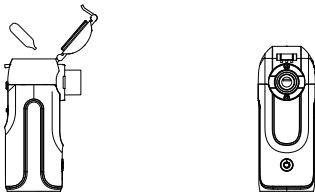
NOTE:

If not assemble medicine bottle in right place, that may caused electrode couldn't turn and nebulizer can't work.

Please keep main unit and medication bottle clean (see chapter 3), or may cause nebulizer can't work.

3, Add medicine liquid (Picture 6)

1. Release the clip on top of the bottle to open the lid.
2. Add solution to the medication bottle, to a maximum of 10ml.
3. Close the lid ensuring the clip is secure.



**Picture 6
Add Liquid Medicine**

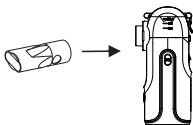
NOTE:

- 1) Suggestion: max medicine liquid 10ml, min 0.5ml.
- 2) After putting medicine liquid in, prevent nebulizer shaking or inverted which may cause the leakage of medicine liquid.
- 3) Keep medicine liquid and mesh completely contacting to prevent mesh plate air shock.

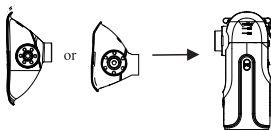
4, Usage of Nebulizer

Nebulizer accessories are grouped as mouthpiece, adult mask and child mask. If need to be treated by the throat, please use the mouthpiece; meanwhile if need to be treated by nasal cavity / or throat, please choose a mask.

1. Connect the mouthpiece or mask to the main unit as picture 7 and 8:



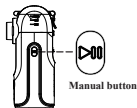
Picture 7 Mouthpiece Assembly



Picture 8 Mask Assembly

2, Press the switch to turn on the machine:

- 1) The icon  will light up and the number displays "10", entering the larger atomization rate mode (Adult Mode), the timing is 10 minutes. The digital display shows a countdown. When the time is up, it will automatically turn off.
- 2) Press the switch button again, the icon  lights up and the number displays "20", entering the lower atomization rate mode (children's mode), the timing is 20 minutes.
- 3) Press the power button for the third time, the icon  lights up and the number displays "05", entering the cleaning mode, the timing is 5 minutes.
- 4) Press the power button for the fourth time, the icon  lights up and enters manual atomization mode, Then operated by manual button on the right side.



5) Manual Atomization Mode

- Locate the Side Button on the right side of the device.
- Press and hold the Side Button → Nebulization starts.
- Release the Side Button → Nebulization stops immediately.

This mode is ideal for:

- Children or sensitive patients requiring controlled dosage.
- Preventing medication waste.
- Intermittent atomization requirements.

You can press the power button again to turn off the machine.

- 6) When the medication bottle is lack of liquid or have purified water inside, the icon  will keep flashing.
- 7) If the icon  fast blinks, means the battery voltage is low, Please charge the battery in time, If the battery is not charged in time, the icon blinks until the machine automatically shuts down.
- 8) If use the device while charging, the icon will blink slowly. After the device is fully charged, the icon  will keep bright.

3, Keep calm, relax and sit well, with the hand holding the nebulizer smoothly, take deep and slow breathing, to have more effective treatment:

- (1) When use mouthpiece, make the mouthpiece flat end into the mouth, lips slightly closed, so that the medicine liquid targeted to the affected area.

(2)When use mask, make mask slightly close to face, better for covering nose cavity and mouth:

1. Treat by nose cavity, deep inhaling from nose cavity, exhaling from mouth.
2. Treat by throat, inhaling from mouth, exhaling from nose cavity.
3. During treatment, can both use 1 and 2.

! NOTE:

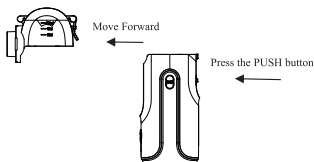
- 1) Put 0.9% physiological saline into medication bottle, after assembly and before using, press switch to test If it can work well(Chapter 6).
- 2) Please follow Picture 7 and Picture 8, by accessories'connectors to assemble mouthpiece or mask.
- 3) Please use correctly using mouthpiece, don't spray the liquid to your tongue.
- 4) Don't swallow liquid and make sure liquid does not go direct to the affected area.
- 5) Improper gesture and not smooth breathing may cause respiratory passage blockage.
- 6) When the Medicine is not much, tilt the device toward yourself side), make the Medicine gathered in mesh plate, in order to make full use of the residual Medicine.
- 7) The device should avoid empty shock, in case of mesh plate broken.
- 8) Do not strongly wave or vibrate the device in use, otherwise the device automatically shut down.

5, Turn Off The Power

- 1.Press the switch button to turn off the power.
- 2.When the Adapter is used, remove the power plug from the electrical outlet after using the device.

6, After Using

- 1.Remove the mouthpiece or mask ;
- 2.Hold the Main Unit by one hand, and Press the [PUSH] button behind the Main Unit shown in Picture 9; Hold the Medicine bottle by the other hand, remove the medication bottle along the slot ;



Picture 9

- 3.Open the lid, pour all the residual liquid medicine bottle, and promptly clean the device, allow the parts to air dry and store the device in a clean environment. See Chapters 3 and 4.

Chapter 3 Cleaning and Disinfecting

- After each use, first discard all residual medicine, and remove the attachment from the main unit to clean and disinfect. Dry the parts immediately after washing.
- Be sure to turn off the device.
- Do not store when main unit, medicine bottle and accessories have any remaining liquid or moisture.

1. Medicine bottle

1. Open the medication bottle, and discard any residual medicine;
2. Pour a small amount of hot distilled water into the Medicine Bottle and close the Cap;

 **NOTE:** Suggest that the water temperature is 85°C/185°F.

3. Press the switch three times in a row, the icon  shines, the number is displayed as "05", enter the 5 minutes automatic cleaning function.
4. Rinse the medicine bottle and Medical Cap with distilled water. Gently wipe off excess water with a soft clean cloth or allow the parts to air dry in a clean environment.

 **NOTE:**

- 1) Use medical gauze and medical cotton swabs to clean and disinfect.
- 2) Do not wipe the mesh plate in tissue paper or other cloth, otherwise the mesh plate will not nebulize normally.
- 3) Do not wipe or touch the mesh plate with your hand or any other sharp object, Otherwise, the mesh plate will crack.
- 4) Do not use other household bleach to clean the device in addition to the above solution.

2. Cleaning the Main Unit

1. Gently wipe the Main Unit with 75% medical alcohol and wipe off excess water with a soft clean cloth;
2. Clean the electrodes connecting the Main Unit and medication bottle , in order to make the device work normally.

Caution:

- 1) Do not wipe the Main Unit with other volatile liquid, such as Benzene or Thinner.
- 2) Do not rinse or immerse the Main Unit in any liquid.

3. Cleaning and Disinfecting of Mouthpiece and Masks

1. Remove the mouthpiece or masks;
2. Rinse the mouthpiece and Mask with pure water for 2 ~ 3 minutes(Water Temperature $\leq 50^{\circ}\text{C}$);
3. Dry moisture with medical gauze;
4. Wipe the mask and mouthpiece with 75% of medical alcohol at least 3 minutes to disinfect, and store to air dry.



NOTE:

- 1) Clean and disinfect all the parts.
 - 2) Replace the aging/ broken mask or mouthpiece every one month or using over 90 times.
- In order to ensure the safety of your usage, please purchase the parts from the regular manufacturer.

Chapter 4 Storage and Maintenance

1. Storage Conditions:

- (1) Temperature: $-20\text{ }^{\circ}\text{C} \sim 55\text{ }^{\circ}\text{C}$;
- (2) Relative Humidity: $\leq 80\%$ R.H.
- (3) Air Pressure : $70.0 \sim 106.0\text{ kPa}$;
- (4) Other requirements: No direct sunlight, Ventilation, No corrosive gas, No heating device, or Open fire.

2. Storage Instructions:

- (1) The product's validity is advised as 3 years.
- (2) Clean and disinfect the device after each using .Assemble the device. Store the device in the Storage Case or in a clean environment.

2.Maintenance of the Device

1.Working Conditions:

- (1) Environment Temperature: $5\text{ }^{\circ}\text{C} \sim 40\text{ }^{\circ}\text{C}$;
- (2) Relative Humidity: $15\% \text{ R.H.} \sim 90\% \text{ R.H.}$, No condensation;
- (3) Air Pressure: $86.0 \sim 106.0\text{ kPa}$;
- (4) Power: Input: $5\text{Vd.c. } 1.0\text{A Min.}$
Rechargeable lithium battery: $3.7\text{V, } 1200\text{mAh}$;
Buy additionally, Technical Parameter Requirements see Chapter 2).

2. Maintenance Instructions

- (1) Operate the device in normal work condition.
- (2) Do not operate the device near the heating device or open fire. Do not dry the device and its accessories with the microwave oven, oven drying, hair dryer, etc.
- (3) Don't make the nebulizer and its accessories contact corrosive liquids or gases.
- (4) Do not install the Main Unit around the power lines.
- (5) Refer to Chapter 6 for solution or contact the company or purchase dealer when the device can not work.



WARNING: Prohibit to disassemble, repair or change the device.

Chapter 5 Safety Information and Care

1. Safety Information

1. Do not use or store the device in humid locations, such as a bathroom. Use the device within the operating temperature and humidity.
2. Read all the information in the instruction book and any other literature included in the box before using the unit.
3. Accessories mentioned in the instruction manual are just for the device .
4. Do not subject the device or any of the components to strong shocks, such as dropping on the floor.
5. Do not shock the device in using.
6. Do not disassemble or attempt to repair the device or components.
7. When the Adapter is used, remove the power plug from the electrical outlet and clean the device.
8. Do not operate the device or contact the Adapter socket or power switch with wet hands.
9. Do not immerse the main unit in water or other liquid, avoid splashing water or other liquid to the main unit or AC adapter; Turn off the power, and immediately dry with a clean cloth.
10. To prevent damage to the device, do not carry or leave the Medication Bottle filled with Medication or distilled water.
11. Dispose of the device, components, and optional accessories according to applicable local regulations. Unlawful disposal may cause environmental pollution.
12. This device is approved for human use only.

2. Care for the Device

1. The nebulizer is a prescription medical device. For type or dose of Medication follow the instructions of your physician and/or licenced healthcare practitioner.
2. Do not use the Medicine with ester, fat or suspended particles, including herbal medication, suggest use the standard nebulizing Medication in accordance with the physician's advice.
3. The device nebulizes for 10 ~ 20 minutes each time, the amount of Medication for 2 ~ 4 ml, but still can be used as the physician suggested.
4. The device is a personal medical equipment, Do not mix its usage with others.
5. Do not touch the mesh with your hand or any other object.
6. Keep the device out of the reach of unsupervised infants and children.
7. Suggest that the device be kept away from other electrical products with above 2W power consumption at least 3.3 meters, to avoid the electromagnetic interference; Consult your physician for users wearing the heart pacemaker.



WARNING: Pentamidine is not applicable to the device!

The device can not be applied to anesthesia breathing system and respiratory system!

Chapter 6 Troubleshooting

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSES	SOLUTION
Nebulizer not working or air flow is weak	1. Solution did not make contact with the mesh when the device was switched on. 2. The atomized liquid is pure liquid. 3. The nebulizer bottle has not been used for a long time, and the mesh has dust or sediment blocking the holes. 4. There is dirt in the solution bottle or the host electrode, causing poor contact.	1. Switch off the device. Ensure the solution makes contact with the mesh. Switch on the nebulizer. 2. Add a small amount of 0.9% normal saline. 3. Clean the mesh with hot water. 4. Wipe the electrode with an alcohol based cleaning wipe.
The icon  keeps flashing	1. There is no liquid in the nebulizer bottle. 2. The solution does not come into contact with the mesh. 3. The nebulizer bottle and main unit are not securely attached. 4. Atomized medication is purified liquid medication or purified water.	1. Add the solution again. 2. Adjust the angle of the main nebulizer unit so the solution makes contact with the mesh. 3. Reassemble the main unit and nebulizer bottle. 4. Add a small amount of 0.9% normal saline.
Nebulizer will not charge	1. Charging cable is damaged. 2. Using an incompatible charger. 3. Defective charger.	1. Replace the charging cable. 2. Use a compatible charger. 3. Replace the charger.
Leaking from the nebulizer	1. Nebulizer bottle is cracked or broken. 2. Atomized solution is pure liquid.	1. Replace the nebulizer bottle. 2. Add a small amount of 0.9% saline water.

If the troubleshooting guide does not help resolve your problem, please contact your supplier.

Chapter 7 Marks and Symbols

	CE Mark		Serial Number
	Separate Collection		Date Of Manufacture
	See The Instruction		Manufacturer
	BF Type Application Part		European Union Representative
	Notice	IP22	Waterproofing Grade
	Environment-friendly Use Period		

Icons and buttons

	Power button functional operation		Smaller atomization rate mode
	larger atomization rate mode		Liquid shortage or purified water inside
	The cleaning mode		Time display
	Battery status indication		Manual Atomization Mode
			Manual button

Chapter 8 Product Specifications

Name	Mesh Nebulizer
Model	MY-131B
Applied part	Mouth pieces or mask
Dimensions	Approx. 46.0(L)x58.0(W)x118(H)mm
Weight(Without battery)	102g
Power Source	Input: 5Vd.c. 1.0A Min. Rechargeable lithium battery:3.7V , 1200mAh
Battery Life	the battery can be used for approximately 80 minutes after charging and the battery cycle life is at least 300 cycles.
Safety Grade	BF
Software identification	Software version number: V1.0
Power Consumption	Approx.2.0W
Vibration Frequency	Approx.110KHz $\pm$ 10KHz
Nebulization Rate	$\geq$ 0.2ml/min
machine liquid temperature	$\leq$ 40°C
Sound level	$\leq$ 50dB at 1.0 meter
Particle Size	MMAD<5.0 μ m
machine Capacity	10mL maximum,0.5ml minimum
Protected against the ingress of water and particulate matter	IP22
Guarantee Time	Main Unit 1 Year(Medication bottle not included);
Operating Temperature	Environmental temp:41°F~104°F/5 °C~40°C, Relative humidity : 15%~90% RH, non-condensing situation Air Pressure: (86.0~106.0)kPa
Storage and transport Temperature	Temperature: -20 °C~55 °C Relative Humidity: $\leq$ 80% R.H. Air Pressure: 70.00~106.0 kPa
Accessory	Mouth pieces, Adult Mask, Child mask, USB cable, Instruction Manual