Portable Oxygen Concentrator

User Manual

1. Safety requirements (I)

Please confirm that the instructions have been carefully read and fully understood before using this product.
Note: When using this product, no smoking, no use in a fire environment. The product built-in humidifier bottle is strictly prohibited to join the flow of pure water, can increase oxygen humidity by locking water cotton.

- The expected service life of the product is 5 years. The service life depends on the service environment and later maintenance; Poor use environment will shorten the service life of the equipment.

- Some users cannot hear or see alerts or communicate discomfort, so additional monitoring or attention is required by other guardians when using this device.

- This product needs oxygen inhalation by connecting the appropriate nasal oxygen tube. Each equipment is equipped with a disposable nasal oxygen tube. An anti-extrusion nasal oxygen tube suitable for this machine interface can be selected as required, which must be a registered medical device. Increasing the length of the tube can reduce the noise in the process of oxygen transmission; when the nasal oxygen tube is used for lengthening, it may be necessary to increase the set flow level. Please follow the doctor’s advice.

- Please follow the instructions for the correct use of nasal oxygen tube.

- Due to the different materials used in nasal oxygen tubes, some nasal oxygen tubes may have odor.

- This product cannot be connected to other devices that are not allowed by the manufacturer.

- It is forbidden to use power sources or power lines, power adapters or other accessories outside the specified, and the use of non-specified accessories may cause security risks or damage equipment performance.

- Unless specified, all accessories of this product must be provided by the designated seller.

- If the accessories are damaged or lost, please contact the equipment provider.

- Please use this product according to the expected use required in the instructions.

- In some cases, excessive inhalation of oxygen is dangerous. Please follow the doctor’s advice when using it.

- Feel uncomfortable in the use of this product, please immediately stop using and medical treatment.

- Oxygen helps to burn, smoke and fire in the presence of strictly prohibited use of this equipment.

- This product cannot be used for life support and life extension, and is not suitable for newborns and infants.

- Please do not expose the equipment to rain or snow. Please do not operate the oxygen generator in the rain, which may lead to electric shock and equipment damage.

- Please do not use this product in high temperature and high humidity environments (such as unmanned cars in high temperature environments or high humidity bathrooms) to avoid damaging equipment.

- Non-professionals should not disassemble the oxygen generator at will. Any changes to the device can damage performance or damage the device and will invalidate your warranty.

2. Safety requirements (II)

Warning: This product should not be close to or stacked with other equipment. If it must be close to or stacked, it should be observed and verified that it can operate normally under the configuration of its use.

Warning: In addition to the cables sold by manufacturers as spare parts of internal components, the use of accessories and cables other than the provisions may lead to an increase in equipment emission or a decrease in immunity.

Warning: Patients with strict requirements for oxygen concentration should follow the guidance of professional doctors and monitor the alarm instructions of equipment.

Warning: Patients with severe lung disease, choose what oxygen uptake should consult a professional physician.

(1). Maintenance

- The maintenance cycle of portable oxygen generators is approximately one year, and only professionals in maintenance centers, such as authorized personnel or staff trained in factories, can be repaired or debugged.

(2). Radio frequency interference

- Most electrical appliances are vulnerable to radio frequency interference, so the use of portable communication equipment near the oxygen generator may cause interference with the machine.

(3). Personal injury risks such as burning, electric shock and fire

In order to reduce the risk of personal injury, please note the following:

- Do not use in shower. If the patient needs continuous use, the oxygen machine must be placed at least 2.0 M away from the bathroom.

- Don’t touch the oxygen maker when your body is wet. Do not use or store oxygen generators near easily falling water or other conductive liquids.

- It is forbidden to contact the oxygen generator that falls into the water or other conductive liquids. If it falls into it, please immediately remove the adapter power plug.
- When the machine is not used, the power plug must be removed. When the device is not used for a long time, the battery needs to be charged 70 %. The battery and power plug must be removed, and the oxygen generator, battery and adapter should be placed in the dry place.

- Guardianship must be used when there are children or persons in need of mobility.

- Please use this machine according to the expected use of the products in the user manual.

(4). Waste Consumables Branch

- When the relevant waste such as the breathing pipe and filter used in the oxygen generator is used, please implement the product in accordance with the relevant regulations of the local government to have no impact on environmental protection and pollution. For electronic and electronic waste (such as batteries, circuit boards, etc.) do not discard at will, please contact the relevant departments in accordance with the relevant provisions of the local government, and properly handle according to the corresponding instructions.

Catalog

3. Product introduction

- Compact portable flow oxygen machine.
- Real time concentration display, timing function.
- 3.5 inch touch screen, menu management
- Unique mute Technology

4. Product principle

- Portable oxygen generator refers to the equipment that uses molecular sieve pressure swing adsorption principle to improve oxygen concentration by adsorbing nitrogen and other gas components. When the equipment works, compressed air is injected into a closed adsorption tower equipped with molecular sieve, resulting in an increase in the pressure in the adsorption tower. The molecular sieve adsorbs a large amount of nitrogen in the compressed air with the increase of environmental pressure, while the oxygen in the compressed air still exists in the form of gas and is collected through a certain pipeline. This process is usually called “adsorption” process. When the adsorption of nitrogen by molecular sieve in the container reaches the critical state of adsorption saturation, the adsorption tower is reduced by blowing pressure. With the decrease of environmental pressure, the ability of molecular sieve to adsorb nitrogen decreases, and nitrogen is released from the molecular sieve as exhaust gas. This process is usually called desorption. In order to ensure the continuous and stable output of oxygen, the oxygen generator usually uses two (or more) molecular sieve adsorption towers. Through the control of rotary separation valve, one adsorption tower is in the adsorption process while the other is in the desorption process. The two work alternately to complete the continuous oxygen production process.

5. Product structure

- Portable oxygen generator consists of compressor, battery, solenoid valve, molecular sieve, circuit control system, heat dissipation device, flow control device, oxygen delivery mask / nasal oxygen tube (purchased medical equipment).

6. Product working conditions

- Working temperature range : -10 ~ 40 °C
- Working humidity range : ≤ 80 %
- Working pressure range : 86 kPa ~ 106 kPa

7. Power supply parameters

- AC power supply : AC.100-240 V, AC 50 / 60 Hz ;
- Internal battery : DC 14.8V ± 10 %

8. Product transportation and storage conditions

- Transport and storage temperature range : -20 ~ 55 °C
- Transport and storage humidity range : 5 % – 90 % non-condensable state, transport in dry environment
- Storage pressure range : 670hPa ~ 1060hPa

9. Reserve oxygen sources

- It is recommended that you provide spare oxygen sources for equipment to prevent mechanical failure or battery depletion.

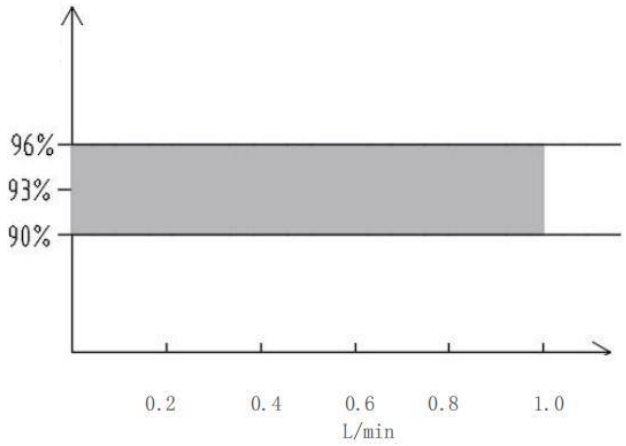
10. Product performance

- Pulse rated flow and gear setting

Leve	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
93 % (± 3) concentration	0.2L	0.4L	0.6L	0.7L	0.8L	1.0L	1.2L	1.4L

85 % concentration	0.4L	0.6L	0.7L	0.8L	1.0L	1.2L	1.4L	1.5L
75 % concentration	0.6L	0.7L	0.8L	1.0L	1.2L	1.4L	1.5L	1.6L
65 % concentration	0.7L	0.8L	1.0L	1.2L	1.4L	1.5L	1.6L	1.7L
Flow error range : ± 10 %								

When the nominal pressure of the output port is zero, the oxygen concentration is ≥ 90 % (range fluctuation) at the rated flow rate,
The relationship graph between oxygen concentration and flow rate of oxygen generator output



11. Scope of use / intended use, contraindications

Scope of application / expected use:

- Oxygen-enriched air was produced by molecular sieve pressure swing adsorption process with air as raw material. The oxygen concentration range was ≥ 90 % (V / V), providing oxygen therapy or alleviating discomfort caused by hypoxia.

Warning: professional doctor guidance should be followed when .

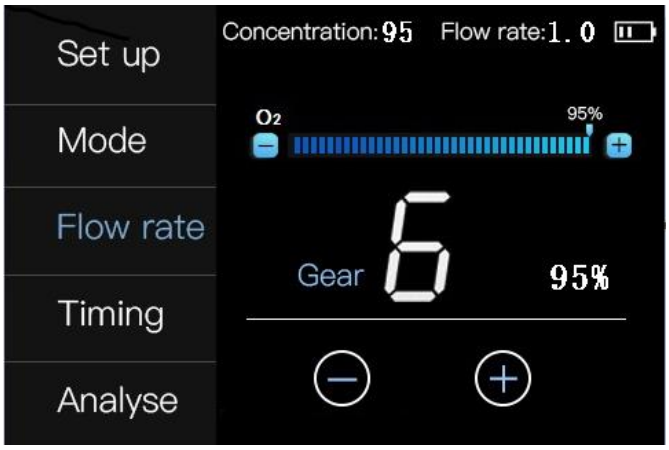
Warning: Do not use this device when flammable anesthetics exist.

- contraindications :

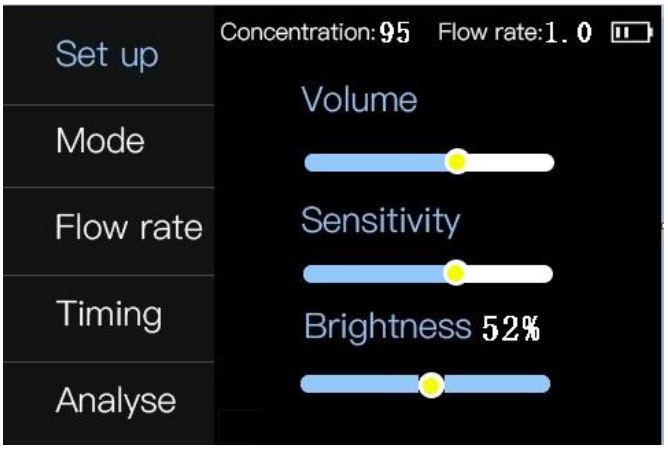
Contraindications: oxygen poisoning, oxygen allergy patients prohibited.


Warning: Professional doctor guidance should be followed when using.

12. Display and alarm functions

- LCD screen interactive main page
- 

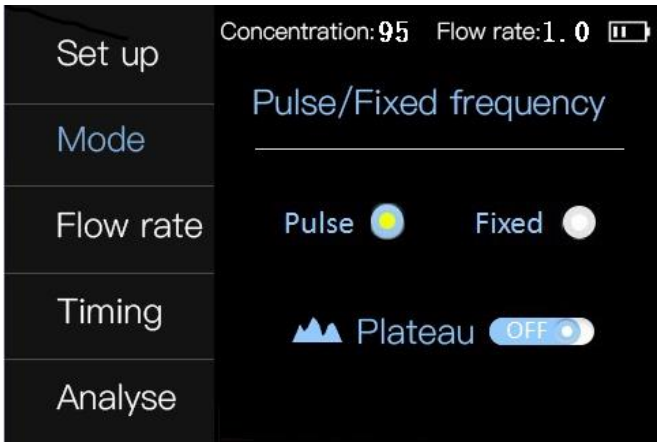
  After startup, the system enters the main page, and the left column is the menu, which is divided into settings, modes, flow rate, timing and analyse.
  The top of the page is oxygen concentration, flow display and power display.
  Main screen display concentration settings, gear settings.

- Setup page
- 

  Click the LCD screen Set up button to enter the device information page, device information page display as follows:

  Alarm sound size setting, set machine alarm sound;
  Pulse sensitivity settings, according to the use of environment and personal habits, you can set the respiratory pulse sensitivity.
  Machine brightness adjustment.

- Mode page

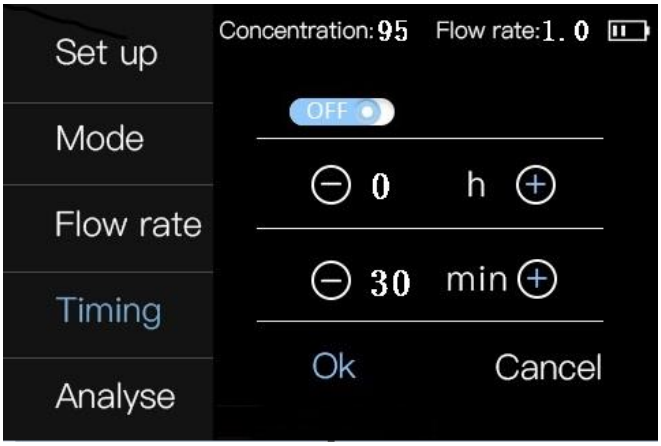
- 

Click the mode button of the LCD screen to enter the device information page. The device information page is displayed as follows:

Pulse / fixed frequency settings, set to pulse mode, the device detects the breathing pulse, when detected inspiratory instantaneous release of oxygen, when breathing oxygen storage; after setting to a constant frequency mode, the equipment emits oxygen once in two seconds, and the breathing pulse is no longer detected, which is suitable for wearing masks, strong wind environment and the environment requiring continuous oxygen output.

Plateau mode setting, in the plateau environment, can open the plateau mode, provide sufficient oxygen.

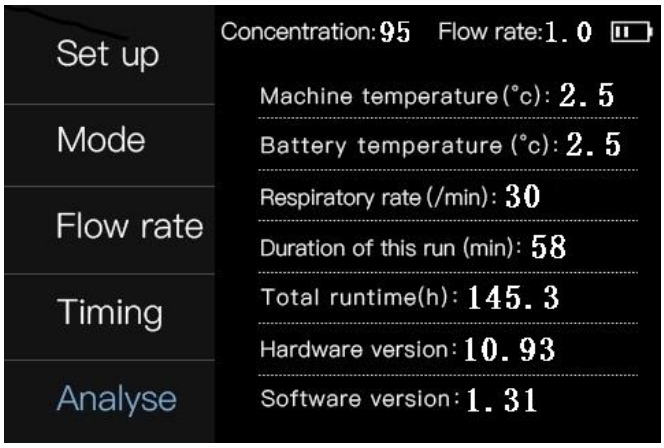
- Timing Page



Click the timing button of the LCD screen to enter the device information page. The device information page is displayed as follows:

Set the time in hours and minutes to enable the open. The setting range of hours is 0 ~ 60; the setting range of minutes is 1 ~ 59.
Set to complete click the key, return to the main page;

- Analysis page



Click the LCD screen analysis button to enter the device information page, device information page display as follows:

Machine temperature: equipment machine internal temperature;

Battery temperature: battery internal temperature;

Respiratory frequency: respiratory frequency detected by equipment;

The running time: the running time of the equipment from the start to now;

Total running time: how long did the equipment run from the factory;

Hardware version: Hardware internal version number;

Software version: System software version number;

Click Return to return to the main page.

Alerting Message	Interpretation and Operation of Alarm Content
Fan shutdown	The fan stops turning, the fan stops turning will cause the machine temperature to rise rapidly, please shut down in time and contact the manufacturer.
Hyperpyrexia	If the temperature is too high alarm, please check whether the

	environment temperature is too high, turn off 10 to 20 minutes later, start again, if the temperature is still too high alarm, please contact the manufacturer in time.
Compressor shutdown	Compressor not started, please contact the manufacturer in time.
Low oxygen concentration	Please contact the manufacturer in time.
Low battery voltage	Please charge in time

13. Instructions for installation and use

- Please remove all packaging for initial use and place plastic bags where children cannot reach them so as not to cause asphyxiation.

- Be sure to read the instructions carefully before use to ensure that the parts are installed in place and correctly operated and used.

- The product in the use of humidified bottles to humidify oxygen is strictly prohibited to join the flow of liquid water, only wet locking medical cotton into the leak net to humidify the oxygen in the humidified bottle.

- When using this product, please do not touch any live components such as plugs, power lines, adapter connections and other live parts with wet hands, in order to avoid causing electric shock damage.

- Please do not damage or break the power line or plug, and do not use plugs with loose ends to avoid fire or electric shock.

- It is forbidden to place heavy objects on this equipment so as not to be damaged.

- Please do not place any part of the body near the exhaust port or other fever parts for a long time, so as not to cause burns.

- Please set the appropriate flow file according to the doctor’s advice.

- When the product is used, the inlet should be located in the good ventilation, and the inlet and exhaust ports cannot be blocked, so as to avoid heat accumulation affecting product performance and even causing fire.

- This product should avoid direct sunlight, so as not to cause excessive local temperature.

- This product should be used away from the fire, no smoking, so as not to cause fire.

- Long-term operation in a humid environment may shorten the life of molecular sieves.

- This product should be away from pollution, smoke and flammable, explosive, volatile goods, such as alcohol, gasoline and other dangerous goods, in order to avoid fire or explosion.

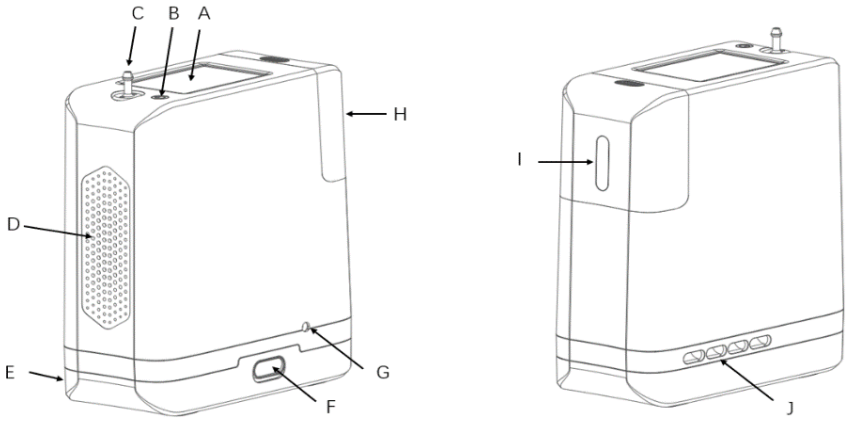
- This product cannot be side-laid or inverted when used.

- The product is used for 5 years from the date of production. Consumable life and use conditions related, please according to the actual use of timely purchase and replacement of consumables, production date see product growth qualified card.

- **Failure to use the equipment in the prescribed manner may cause damage to the equipment and render warranty ineffective.**

14. Operational guidance (I)

- **Part name**

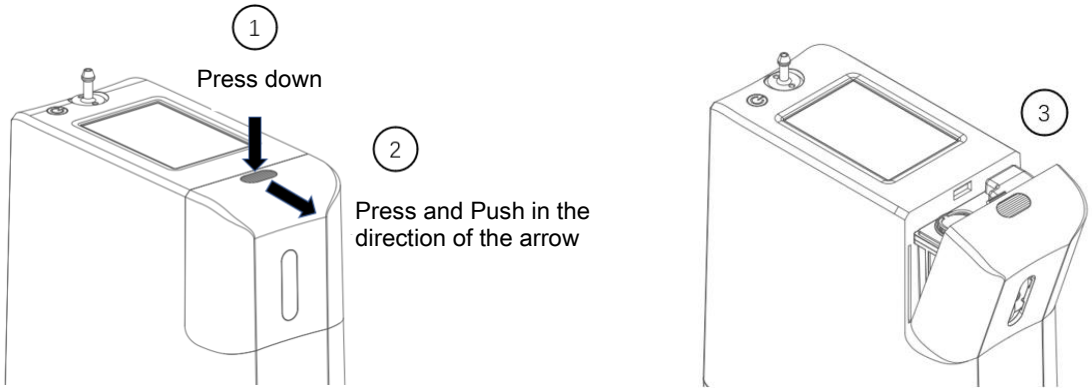


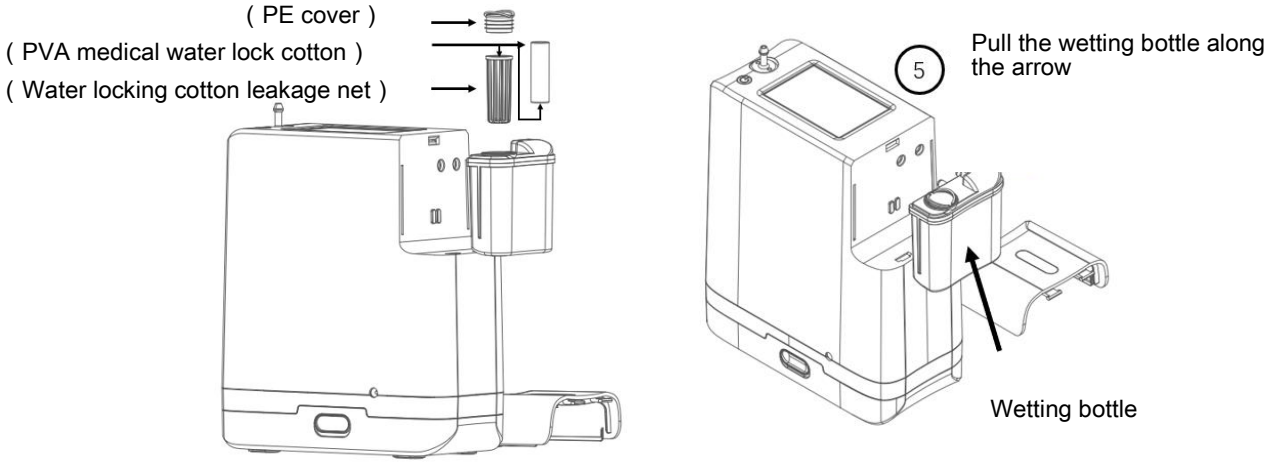
A : LCD screen B : start button C : oxygen outlet D : inlet style gate E : battery box

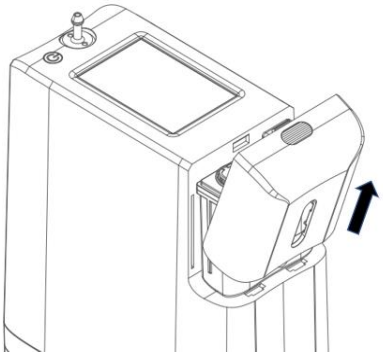
F : battery box buckle G : power adapter interface H : wet bottle side cover I : wet-bottle window J : outlet

Note: Exhaust hot air is a normal phenomenon. It is forbidden to block the inlet and outlet.

The steps of removing wetting bottle







Pull the side cover along the arrow

Note: Installation steps of wetted bottles are recounted strictly according to disassembly steps.

1、Pull out PE wet bottle cap.

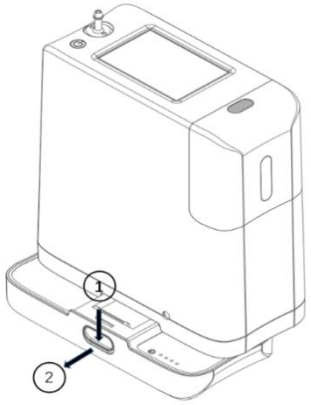
2、Take out PVA medical lock water cotton in order, leakage.

3、3. Put the lock cotton in pure water to absorb water fully.

4、First, 50 % of the pure water in the water-locked cotton was extruded and then put into the leakage net (note: non-flowable water outflowed from the bottom of the leakage net). Then, the leakage net was put into the wetting bottle. Finally, the PE cover was pressed to ensure the sealing of the wetting bottle.

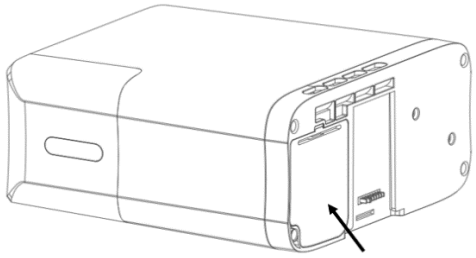
● Disassembly Method of Battery Components

1. Press the button in the first step in the direction of the arrow (1).
2. The second step is to hold the battery to pull out the battery component in the direction of arrow (2) while holding the button.



● Disassembly method of drying components

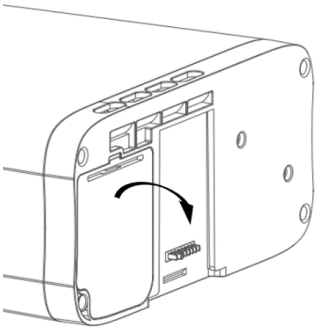
①



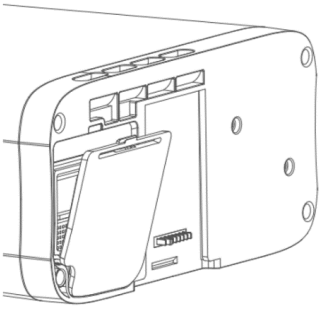
Air inlet drying chamber cover

②

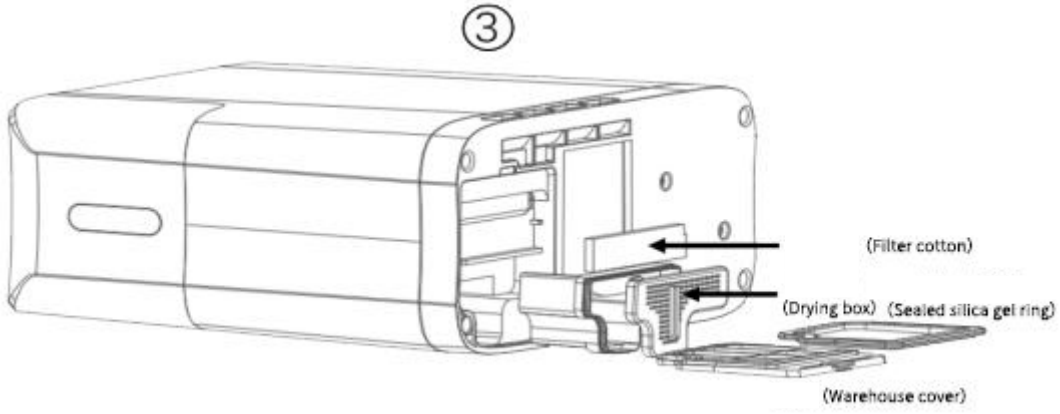
Bottom Intake Filter with Drying Tank, Replace Drying Agent and Clean Filter Cotton



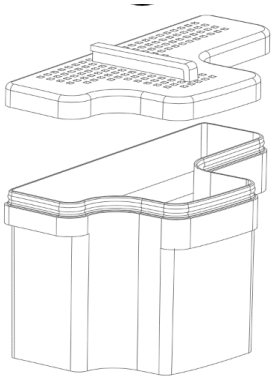
The state of buttoning down the lid along the arrow shown above



According to the above figure, it is shown as the warehouse cover buckle.



Pull the side cover along the arrow



Drying box

1. Open the lid as shown in Figure①to Figure ② status.
2. As shown in Figure ③, remove the cover, seal silica gel ring, drying box, filter cotton.
3. Cleaning filter cotton (fully controlling dry moisture).
4. The steps of installing the drying box are strictly followed by the steps of splitting.

15. Operational guidance (ii)

(1). Connecting power supply

- **Select the appropriate power connection conditions according to the use environment**

A. When use battery only

Install the special battery to the battery interface. Please note that the battery should be installed firmly.

B. When using AC power adapter

1. Connect the AC power adapter to the power line firmly and connect the input plug to the socket. When the power indicator light on the adapter is on, it indicates that the power connection is normal.
2. Requirements for input: AC voltage 100-240V, current 2.0-1.0A, frequency 50 / 60Hz.
3. The output plug of AC power adapter is connected to the DC power input interface of the equipment.

Note: When you don’t use batteries, pay attention to protecting the battery interface and the power on the device
Pool interface, please do not contact the conductor or directly touch with hand.
Note: When battery power is used alone, the equipment has been ' battery capacity empty ' after the automatic shutdown, do not use this air battery alone to restart operation, so as not to affect battery life and equipment performance.

Warning: Prohibit the use of non-product lithium batteries

(2). Start-up preheating

- **Press the device to turn on the key, heard a ' whisper ' of the boot prompt, into the boot screen, system startup equipment into preheating. The preheating time of the equipment is about 2 min. When the equipment state reaches the normal use requirement after the preheating, it can be worn well with nasal oxygen tube for normal use.**

Note: During the machine preheating, the equipment will automatically spray oxygen to empty the internal air, which When the device output flow and concentration may not meet the standard, please do not connect to the use of nasal oxygen tube.

(3). Connecting nasal oxygen tube

- The horn end of the nasal oxygen tube equipped in the factory is connected to the metal outlet nozzle of the equipment to ensure that the connection is reliable and does not leak. Attention is paid to the nasal oxygen tube not to twist or block, so as to avoid causing equipment-related alarm and affecting normal use.
- If you need to buy the nasal oxygen tube by yourself, please contact the equipment provider or under the guidance of professional medical staff, select the nasal oxygen tube suitable for the equipment and obtain the formal medical registration certificate.

- Note: This equipment is pulse oxygen supply mode, using this equipment, must connect nasal oxygen tube Use.
- Note: In order for the oxygen generator to correctly detect breathing and deliver pulse oxygen, please do the nasal oxygen tube is properly installed to ensure that the oxygen tube is not twisted or blocked.
- Note: Please follow the manufacturer instructions of nasal oxygen tube. Supply by manufacturer or equipment that it is recommended to replace the nasal oxygen pipe and other accessories can be purchased from the equipment supplier.
- Note: Do not use unfit equipment or no equipment provider or not in professional care purchase of nasal oxygen tubes under the guidance of personnel to avoid affecting the normal operation of equipment and user normal use.

(4). Adjusting the flow level

- Please set the flow level according to the oxygen flow recommended by the doctor.
- Before the doctor makes suggestions, please communicate with the doctor the performance of the device, so as to avoid the doctor put forward suggestions that are not suitable for the device.

(5). Shutdown

- When the device works normally, press the switch key for about 3 seconds, the device sends a ' ti ' prompt and enters the shutdown interface

16. Maintenance and cleaning

(1) Maintenance and cleaning of structural components

Note: In the maintenance and cleaning work must first shut down the equipment to cut off the power supply and take off the battery.

- The dust at the inlet grille of the equipment is cleaned regularly by brush or vacuum cleaner.
- The wetting bottle must be cleaned and cooled after each use, and the water-locked cotton in the wetting bottle must be cleaned and cooled after each use. (Note: Water lock cotton cleaning clean can be reused, recommended not more than 10 times.)
- Air filter cotton is cleaned every half month. Note that a large amount of dust may be absorbed and accumulated by the intake filter cotton after long-term use. Please be careful to operate and do a good job of protection to avoid inhalation of dust. Please properly handle abandoned filter cotton.
- Failure to install or replace filter cotton for a long time may affect equipment performance or damage equipment.
- Filter cotton, lock water cotton, drying agent as consumables, need to buy timely contact with equipment suppliers. When the equipment prompts the need to replace the molecular sieve, please contact the designated seller in time.
- Permanent placement may shorten the lifetime of molecular sieves.
- Long-term operation in humid environment may shorten the lifetime of molecular sieve.
- When the molecular sieve is close to the service life, it may cause increased internal pressure, increased noise and decreased oxygen concentration, affecting the equipment performance and normal use. Please pay attention to the equipment noise, oxygen concentration and other related information in time.

Warning: Please do not change molecular sieve by private disassembly. Only equipment suppliers or qualified maintenance engineers can change molecular sieve by private disassembly.
Note: Molecular sieves are consumables. Please contact the equipment provider in time for replacement.

- Users can purchase nasal oxygen tubes on their own, as required, but ensure that the following conditions are fully met :

  1. Please purchase from the formal channels and obtain the registration certificate of medical devices for nasal oxygen tubes;
  2. The gas flow rate in the nasal oxygen tube needs to reach 5 liters per minute to adapt to the product. Please wear the nasal oxygen tube correctly and use it according to the instructions of the nasal oxygen tube.

(2) Battery replacement and maintenance

- This equipment needs to use a special battery equipped in the factory, and a battery is equipped in the factory. Users can contact the designated seller to purchase batteries as required.
- Battery life: 1 year.
- When not used for a long time, please remove the battery from the equipment, and pay attention to the protection of the battery electrode, not contact with the metal and other conductors, to prevent the risk of fire.
- When the battery is stored, please put it where children cannot reach to avoid danger.
- Long-term unused batteries need regular charging and maintenance, and it is suggested that the battery capacity should be maintained at about 70 %.

Warning: Prohibit the use of non-product lithium battery.
Note: The battery is a consumable material. Please contact the equipment provider in time when it needs to be replaced.

(3). Replacement of nasal oxygen tube

- The machine is equipped with nasal oxygen tube. The nasal oxygen tube equipped in the factory should have one of the following medical device registration certificates :
- Users can purchase nasal oxygen tubes on their own, as required, but ensure that the following conditions are fully met :

1. Please contact equipment providers or purchase under the guidance of professional medical staff.
2. Please purchase from regular channels and the nasal oxygen tube has obtained a medical device registration certificate ;
3. The rated flow rate of oxygen in the nasal oxygen tube is 5 litres per minute.

(4). Term of use

Category	Life Span

Main oxygen generator	1 years
Molecular Sieve	1 year
Battery	1 year
Nasal oxygen tube	See product packaging

When the oxygen generator is close to the service life, it may lead to equipment performance degradation or equipment failure. Please pay attention to flow, concentration, fault and other related alarm information.
When the molecular sieve is close to the service life, it may cause the increase of internal pressure and the decrease of oxygen concentration. Please pay attention to the pressure, concentration and other related alarm information in time.
When the battery is close to the service life, it may lead to abnormal conditions such as unable to charge, slow charging, unable to discharge, and sharp decline in endurance time. Please pay attention to the battery state and other related information in time.

Note: The use period in the table is the recommended value, and the actual use period will follow the actual Use environment and actual usage changes, please pay close attention to equipment usage and related alerts.

(5) Maintenance cycle

Name	Maintenance Period	Maintenance Mode	Remark
Whole intake grille	weekly	User cleaning	Note : cleaning with brush or vacuum cleaner
Air inlet filter cotton	Half a month	User replacement	There is a total of one piece out of the factory
Molecular sieve components	Once a year	Payment replacement	
Nasal oxygen tube		Replacement as required by instructions of use	Instructions for nasal oxygen tube use

Battery	Once every three months	Charge to 70 %	No special maintenance for normal use

Note: The maintenance cycle in the table is the recommended value, and the actual maintenance cycle changes with the actual use environment and actual use. Please pay close attention to the equipment use status and related alarm prompts.

17. Detailed parameters of equipment

Product Name	portable oxygen concentrator
Product Accumulation Size	L*w*h: 178mm*82mm*211mm
Product weight	2.35Kg ± 0.1Kg (including a battery)
User Page	3.5 - inch color touch LCD screen
Running Noise	≦ 60dB (A) (gear 8)
Warm-up Time	3 minutes
Oxygen Concentration	Adjust oxygen concentration according to doctor guidance
Maximum Recommended Flow	1.2L / min (oxygen concentration 93 ± 3, flow rate 8, oxygen concentration ≥ 90 % (V / V))
Respiratory Rate	10-40 BPM
Maximum Export Pressure	140KPa±20%
Alternating Current Power Supply	AC100-240V 50/60 Hz 100V A
Internal Battery	14.4VDC 8A Max
Battery Duration	Up to 3.5 hours (1 gear to run)
Battery Charging Time	Up to 3.5 hours
Suitable Working Environment For Equipment	Suitable temperature : 5 ~ 35 ° C suitable humidity : 10 % ~ 60 %, non-condensable atmospheric pressure range : 670hPa ~ 1060hPa
Suitable Environment For Normal Storage Of Equipment	Suitable temperature : 5 ~ 40 ° C suitable humidity : 10 % ~ 90 %, non-condensable atmospheric pressure range : 670hPa ~ 1060hPa
Transportation Request	Keep dry, be careful, don 't reverse or sideways, don 't roll
Air Environment Requirements	Equipment that cannot be used in the case of flammable anesthetic gas mixed

	with air or flammable anesthetic gas mixed with oxygen or nitrous oxide

18. Common problems and solutions

Question	Possible Reasons	Recommended Solutions
The device cannot open	Battery not installed correctly	Remove the battery and install it correctly
	Battery depletion	Insert battery, connect adapter to charge battery
	Poor AC power connection	Check power connection ; check if the green light is on
	equipment failure	If the above operation cannot solve the problem please contact your equipment supplier
No oxygen output	Equipment not opened	Open the oxygen generator
	Nasal oxygen tube knot or obstruction	Check the nasal oxygen tube and its connection to the oxygen outlet
	Wetted bottle not installed	Correct installation of wetting bottle
	equipment failure	Contact equipment suppliers
Insufficient oxygen concentration	The equipment is preheating	Wait for 3 minutes; if this problem has not been solved, please contact the equipment supplier.
	Molecular sieves may need repair	Please contact equipment supplier to replace molecular sieve bed

Note: the following state is non-fault: **The exhaust port is the heat dissipation port. When the equipment runs for a long time or the ambient temperature is high, the temperature of the gas discharged by the equipment will increase, which is a normal phenomenon. The machine has high temperature protection. If the exhaust**

port is blocked or other reasons lead to excessive temperature of the equipment, the equipment will alarm and automatically shut down.

19. Packing list

Serial Number	Name	Quantity	Remark
1	Main oxygen generator	1	standard
2	Battery	1	standard
3	AC adapter (power line attached)	1	standard
4	car charger	1	standard
5	nasal oxygen tube	1	standard
6	Air inlet filter cotton	1	standard
7	Portable package	1	standard
8	Instruction	1	standard
9	warranty card	1	standard
10	certification	1	standard
11	PVA medical lock cotton	2	standard

20. Box removal note

- Check whether the packing box is damaged or not, and inform shipping company and equipment supplier in time if damaged.
- Carefully remove the machine and related parts, and compared with the packing list. If there are parts inconsistent with the packing list or quality problems, please contact the equipment provider or after-sales service.
- Please keep packing boxes and packing accessories for storage and transportation.

21. Notes on warranty

- Molecular sieves, batteries and AC adapters are guaranteed for 1 year and 2 years from the date of purchase.

- During the warranty period, non-human causes of failure, free warranty.
- Reimbursable maintenance services are provided if maintenance costs are charged outside the warranty period and damage is caused by improper use. When the product needs warranty, please send the machine and the warranty card back to the manufacturer, the transportation cost is borne by the user.

- Service hotline :

Product warranty card

Product Name	
Date Of Manufacture	
Manufacturer	
Origin	