

USER MANUAL

Model: SJ-OX1C

Portable Oxygen Concentrator

Catalog

Catalog	01
Portable Oxygen Concentrator	02-07
Start to Use Oxygen Concentrator	08-19
Cleaning, Care, and Proper maintenance	19-20
Troubleshooting	20-21
Technology indicators	21-22
Working diagram	22
Electromagnetic Environment Guidance	23
after-sales service	23
Disposal of residue and Waste	23
Manufacturer	24

1. Portable oxygen concentrator

This user manual will guide you to familiarize yourself with the portable oxygen concentrator SJ-OX1C. Please be sure to read before operating the portable oxygen concentrator (hereinafter referred to as machine) and understand all the information in this manual.

If you have any questions, please contact your equipment supplier.

1.1 Symbols

Symbol	Description	Symbol	Description
	Insert a dangerous or improper operation that, if not avoided, may cause serious bodily injury, death or property damage		Power touch key on / off
	alternating current		CLASS II
	No smoking		Temperature limit
	Please refer to the attached documents		Provide important information worth emphasizing or repeating
	Insert a dangerous or improper operation that if not avoided, may cause minor bodily injury or property damage		Proper disposal of waste if electrical and electronic equipment required
	Do not disassemble		There may be interference nearby
	Fragile—handle with care		Consult instructions for use
	Do not use oil or grease		Catalog number
	This side up		Serial number
	Keep the machine and accessories dry		Date of manufacture
	BF type equipment		Manufacturer
	FAA certification		No open flames

1. 2 Why Your Physician Prescribed Oxygen

Many people suffer from a variety of heart, lung, and other respiratory diseases. A significant number of these patients can benefit from supplemental oxygen therapy at home, when traveling, or while participating in daily activities away from home.

Oxygen is a gas that makes up 21% of the room air we breathe. Our bodies depend on a steady supply to function properly. Your physician has a flow or setting to address your particular respiratory condition.

Although oxygen is a non-addictive drug, unauthorized oxygen therapy can be dangerous. You must seek medical advice before you use this oxygen concentrator. The equipment provider who supplies your oxygen equipment will demonstrate how to operate the Focus Portable Oxygen Concentrator.

1. 3 What is the Focus Portable Oxygen Concentrator?

Oxygen concentrators were introduced in the mid-1970s and have become the most convenient, reliable source of supplemental oxygen available today. Oxygen concentrators are the most cost-efficient, and safest alternative to using high-pressure oxygen cylinders or liquid oxygen. An oxygen concentrator provides all the oxygen you need with no cylinder or bottle deliveries required.

The air we breathe contains approximately 21% oxygen, 78% nitrogen, and 1% other gases. In the unit, room air passes through a regenerative, adsorbent material called molecular sieve; this material separates the oxygen from the nitrogen. The result is a flow of high-concentration oxygen delivered to the patient.

The weight of the portable oxygen concentrator is only 5.5 pounds (2.5 kg), which integrates advanced high-efficiency oxygen production and rapid oxygen supply technology. This device effectively provides high concentration oxygen. As soon as you start breathing, it will quickly deliver the oxygen flow to your body. This machine adopts continuous oxygen supply mode, which will ensure that you can get oxygen supply at any time when the machine is working.

The portable oxygen concentrator is lighter in weight, and users can easily use it during outdoor. The portable oxygen concentrator can work under different power supplies (Please refer to the Power Supplies section of this manual).

1. 4 Suitable for people

The machine is committed to providing the patients who feel that the lungs cannot effectively provide enough oxygen to the blood. Provide adequate oxygen to sick patients or users.

Portable Oxygen Concentrator

At the same time, the portable oxygen generator can meet the needs of users at indoors, outdoors and participate in various activities use requirements of activities.

The use of oxygen generator should follow the doctor's advice and should not be used as a life support equipment. Although oxygen therapy can be targeted at users of all ages, typical patients who need oxygen therapy are usually over 65 years old and accompanied by chronic obstructive pulmonary disease (COPD). Users should have good cognitive ability and the ability to express discomfort symptoms. If the user can't express discomfort or can't recognize and understand the icon and product manual of the oxygen generator, it is recommended to have specific personnel take care of the equipment when using it. If you feel unwell during using the oxygen generator for a day, it is recommended to consult a doctor immediately. At the same time, users are advised to prepare spare oxygen sources (such as oxygen cylinders) in case of power failure or failure of the oxygen generator. No special skills are required for users to use and operate the oxygen generator

1. 5 The portable oxygen generator can be used during travel

Passengers can carry and use the portable oxygen generator on civil aircraft. have please contact the specific airline you will take to confirm the latest policies and information.

1. 6 Important Safety Rules

Please read carefully and be familiar with the item of the following the portable oxygen generator Safety information is required.

	The sign "no smoking, oxygen in use" must be placed in a prominent position at home, or in any place where oxygen is used. Patients and their care must be informed of the dangers of smoking in an environment with medical oxygen or oxygen.
 WARNING	The equipment will provide high concentration oxygen for fast combustion support. Smoking or open flames are not allowed in rooms with oxygen concentrator oxygen duct accessories. Ignoring the warning will lead to serious fire, property damage, and may lead to physical injury and death. It is not allowed to use the oxygen generator in the space with combustible gas, which may cause rapid combustion, bodily injury and even death. Do not place oxygen tubes on cloth, bedding or curtains. If the equipment is not used when it is turned on, these materials will become very flammable. When you do not use the oxygen generator, be sure to unplug the machine and remove the built-in battery pack.

 WARNING	This device cannot be used as a life support device. The elderly, newborns or other patients with non communicable indications need the supervision of other care givers when using the oxygen generator. Patients with hearing or visual impairment need care givers to help monitor the alarm information. The flow setting must be set according to the needs of each patient, for example, different settings may be required during rest, exercise or travel. If you feel unwell or have an emergency medical condition, please see a doctor immediately or seek medical assistance.
 WARNING	Electric shock . Before cleaning, please make sure that the power is turned off and unplugged from the socket. Only equipment suppliers or qualified maintenance engineers can dismantle or maintain the machine. Do not let the equipment get wet or water. Once this happens, it will lead to equipment failure or shutdown, and it will also increase the risk of electric shock.
 WARNING	Do not pour liquid directly onto the machine. Chemical cleaners used on the plastic shell of the machine may damage the plastic shell of the equipment. These cleaners include but are not limited to the following list: alcohol and alcohol products, high concentration chlorinated solution (chloroethane), oil products. Only use wet cotton cloth or sponge with household neutral cleaning liquid to clean the body, control panel and power cord, and then wipe the cleaned parts dry. Be careful not to let liquid enter the machine. Pay special attention to ensure that the oxygen outlet is free of dust, water, or other particles. When AC is used outdoors to power the portable oxygen generator, only sockets with grounding function can be used. The power-off sequence should be to disconnect the power plug on the wall first, and then the plug on the machine end.
 WARNING	The oxygen generator should not be used close to or stacked on other equipment. If it is unavoidable, it is necessary to observe whether the machine can operate normally before use. This equipment cannot be modified. Using non original power cord and power adapter may reduce the service life of the oxygen generator. Only use the voltage identified in the equipment label. Do not use an extended power cord or insert too many plugs into the same socket. Extending the power cord may affect the operating performance of the machine. Too many plugs on the same socket may lead to overload and fuse fusing. If the fuse does not work, it may lead to fire.
 WARNING	Incorrect use of the battery will cause the battery to become hot and burn, which may lead to serious injury. Please make sure not to puncture, hit, step on, bump the battery or other impacts that will have an important impact on the use of the battery. Using a damaged battery can cause personal injury. Do not expose the battery to the fire source or throw it into the fire, which will lead to battery explosion and potential personal injury risk. Do not short-circuit the battery with metal objects such as keys or coins, which may produce sparks or a lot of heat.

Portable Oxygen Concentrator

 WARNING	Operating in an environment other than the working specification of the oxygen generator may cause the oxygen concentration of the oxygen generator to fail to meet the standard. Refer to the specifications section for storage and operating temperature limits.
 WARNING	Contraindications: in some cases, using over-the-counter oxygen is dangerous, and this equipment should only be used under the guidance of a doctor. It cannot be used in flammable anesthetic gas environment. As an electrical equipment, when the power supply is temporarily interrupted, the user may experience that the equipment cannot work, or the oxygen generator needs professional maintenance personnel to maintain. This oxygen generator is not suitable for patients whose temporary shutdown will lead to adverse health consequences.
 WARNING	When the oxygen generator is used on the vehicle, it needs to be properly fixed to prevent damage to the equipment or personal injury. If the oxygen generator falls, is damaged, or has water, please contact the equipment supplier for inspection or maintenance. Do not use damaged power cord or plug.
 CAUTION	U.S. federal law requires the sale or lease of this equipment under the guidance and permission of doctors or health care personnel. (this rule applies to dry America)
 CAUTION	Place the oxygen generator correctly to prevent it from being connected to the power supply. Smoke and pollutants should be avoided when using the oxygen generator. Please ensure that the power line and oxygen pipeline of the oxygen generator are free of kinks. Do not use the oxygen generator in a narrow space or in a confined space with poor ventilation (such as small cartons and handbags), which will overheat the oxygen generator and affect the oxygen generation effect. Pay attention to check whether the air inlet and exhaust outlet of the oxygen generator are blocked, and do not stuff anything into the cavity of the oxygen generator. When using the oxygen generator on cars, ships or other vehicles with DC power supply, please ensure that the vehicle has been started before connecting the oxygen generator. If the DC power indicator is not on, first disconnect the DC power supply, restart the vehicle, and then reconnect the DC power supply, otherwise the power supply will not be able to supply power to the oxygen generator.
 CAUTION	When you use the oxygen generator on the vehicle and turn off the vehicle, please remove the oxygen generator. Do not leave the oxygen generator in a very hot or cold vehicle or in a similar environment. When the vehicle igniter is off (off gear), please disconnect the power line of the oxygen generator, otherwise the vehicle battery may be consumed.

Portable Oxygen Concentrator

 CAUTION	In international flights, when the oxygen generator is considered as luggage, the regulations of the United States Department of transportation and the United Nations require that the removable battery of the oxygen generator be removed. When sending the oxygen generator, it is also necessary to disassemble the removable battery and pack it.
 NOTE	In order for the oxygen generator to deliver oxygen correctly, please ensure that the oxygen suction pipe is installed correctly. When breathing, you should be able to hear or feel oxygen flowing into the nasal oxygen tube. Please follow the instructions of the manufacturer of the oxygen tube. Replace the oxygen suction pipe according to the suggestions of the manufacturer or the equipment supplier, and other accessories can be purchased from the equipment supplier.
 NOTE	Affected by the internal operating temperature of the battery, the battery may not be charged until a few minutes after the power is connected. This is a protective measure to make the battery charge safely, which is more likely to happen when the battery is completely discharged. For oxygen concentrators equipped with batteries. The battery of the oxygen generator does not need to be discharged before charging. It is recommended to charge the battery after each use. When the battery is fully charged or fully discharged, it is easy to permanently reduce the capacity of lithium batteries in a very hot environment. In order to ensure the normal storage and transportation of the battery, it is recommended to keep the battery power at 25% - 50% and place it in an environment of 23 °C +/- 2 °C. The accessories of the oxygen generator purchased by ourselves that are not within the specification may affect the performance of the oxygen generator. It is recommended to refer to the manual to purchase accessories.
 NOTE	Do not operate the concentrator without an air inlet filter. If there is a replaceable filter, please install the replacement filter before cleaning the dirty filter. Use soapy water or clean water with food grade detergent to clean the filter, and use it after drying. The manufacturer does not recommend sterilizing the equipment.
 NOTE	For the portable oxygen concentrators equipped with batteries: Incorrect use may lead to high temperature of battery, which may cause personal injury. Please make sure not to puncture, trample, bump against the pool or other impacts that will have an important impact on the use of the pool. When not in use, please turn off the power switch of the battery pack. For all oxygen concentrators equipped with batteries: When connected to DC or AC power supply, the oxygen generator will not charge when it is running. If the oxygen generator is turned off when the built-in battery is exhausted, the oxygen generator can be turned on by using the belt battery at this time. At this time, the belt battery (power $\geq 40\%$) can be taken out of the battery pack and put into the host battery box, and the host can start and work normally. The replaced battery box can be put into the previous battery pack.
 NOTE	For all oxygen concentrators equipped with built-in batteries: 1. The battery does not need to be completely discharged before charging. It is recommended to charge the battery after each use. 2. Affected by the operating temperature inside the battery, the battery may not be charged until a few minutes after the power is connected. This is a protective measure to make the battery charge safely.

2. 【 Please reads the safety rules before operating the oxygen concentrator 】

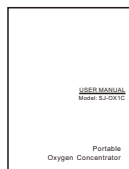
Start using your the Portable Oxygen Concentrator

2. 1 The package contains the following items, as follow:

If you find any items missing, please contact your equipment supplier.

01. SJ-OX1C User manual x1
02. Portable oxygen concentrator x1
03. Carrying bag x1
04. Shoulder strap x2
05. Carrying strap x1
06. Battery pack (optional) x1
07. AC power adapter (AC220V-AC110V 50Hz~60Hz) x1
08. DC12V→DC25.2V Car DC BOOST CONSTANT
CURRENT POWER SUPPLY (optional) x1
09. Replaceable build-in Rechargeable lithium battery pack x1
10. 3m silicon rubber Nasal oxygen inhalation Kit x2
11. 2m silicon rubber Nasal oxygen inhalation Kit x2
12. Battery Pack Charging Cable x1
13. Filter element x3
14. Remote control x1

Start to Use the Oxygen Concentrator



SJ-OX1C
User manual x1



Portable
oxygen concentrator x1



Carrying bag x1



Shoulder strap x2



Carrying strap x1



Battery pack
(optional) x1



AC power adapter
(AC220V-AC110V
50Hz~60Hz) x1



DC12V→DC25.2V DC BOOST
CONSTANT CURRENT
POWER SUPPLY (optional) x1



Replaceable
build-in Rechargeable
lithium battery pack x1



3m silicon rubber
Nasal oxygen
inhalation Kit x2



2m silicon rubber
Nasal oxygen
inhalation Kit x2



Battery Pack
Charging Cable x1



Filter element x3



Remote control

2. 2 Connect the machine power Socket

Please insert adaptor plug (Figure 5) into power socket of the machine (Figure 6). The adaptor plug only can be inserted from one direction.

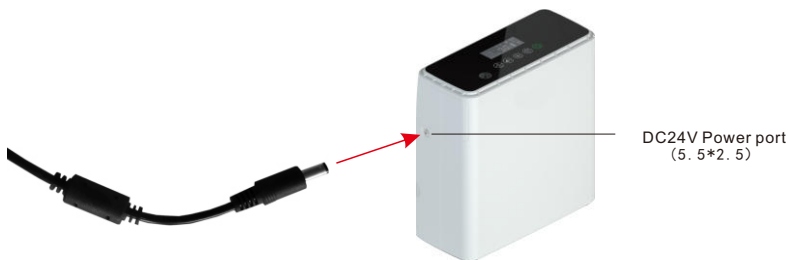


Figure:5

Figure:6

2. 3 The machine can use three different power supplies

Note: Be sure to connect the machine power socket before connecting the power supply.

2.3.1 Connect the machine to the AC power supply

When it is connected for the AC power adaptor, you can choose to use the general power supply instead of batteries. To insert the adapter power plug into the machine power socket, please refer to "2.2", it only can be inserted by one direction.

2. 3. 2 Connect to DC power supply

In car

The first, please connect 5.5*2.5 plug of DC12V → DC24V inverter to machine, and please insert cigarette lighter to car.

For example: connect to DC power supply with (DC12V → DC24V) inverter

Transportation (ship, car, trucks etc.) of DC power supply

The first, please insert power cord 5.5*2.5 plug into the machine power socket, please refer to "2.2". For another end of power cord, please insert DC power output (DC) socket of transportation (Please prepare the power connector cord by yourself).

Note: It is DC24V for DC power output socket of transportation.

2. 3. 3 Connect the battery pack to the machine

Before using the battery pack, please check whether it is enough for the battery power on the machine? If the power is insufficient, please do not press the power on/off touch button, and please replace the battery pack or waiting for full battery charge.

Note: if the machine finds the battery power is low, and it will automatically enters charging mode.

When the battery power is full, please remove the adapter plug from machine, and it can be used. For battery charging, please refer to the description of battery charging.

Insert the battery pack into the designated position of the machine. After hearing the "click", and the locking knob likes that (Please refer to Figure 7), which means that it is correct for assembly of the battery pack. The machine can be worked until the battery power less than 20%). Please refer to Figure 7 and figure 8:

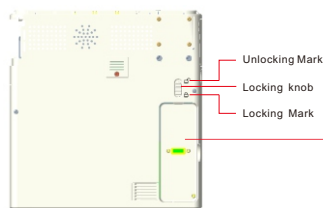


Figure:7

(Removing the Battery Pack)

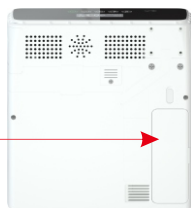


Figure:8

(Insert the Battery Pack)

2. 4 Removing / Inserting Battery Pack

2. 4.1 Removing Battery Pack (Please refer to Figure 9, figure 10 and Figure 11):

- Please slide Locking knob to unlocking mark in the direction of the arrow A.
- Please pull up the **Battery Pack** in the direction of arrow B to remove the **Battery Pack**.

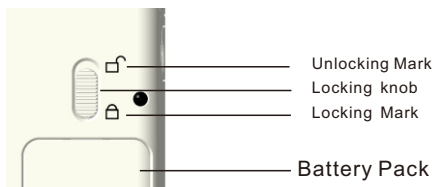


Figure:9

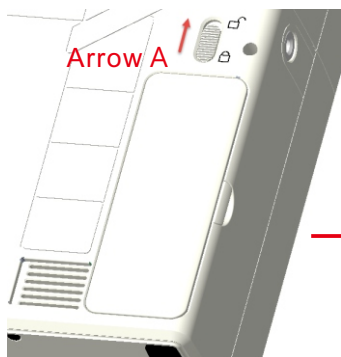


Figure:10

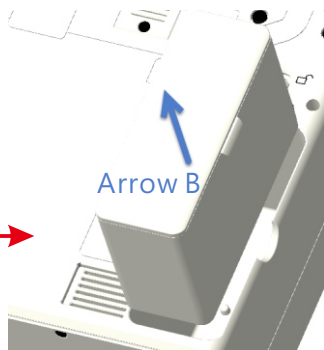


Figure:11

2. 4.2 Insert Battery Pack (Please refer to Figure 12 and figure 13):

- Please slide Locking knob to unlocking mark in the direction of the arrow A.
- Please insert the **Battery Pack** in the direction of arrow C, when hearing the "click", and the locking knob likes that (Please refer to Figure 7), which means that it is correct to insert the **Battery Pack**.

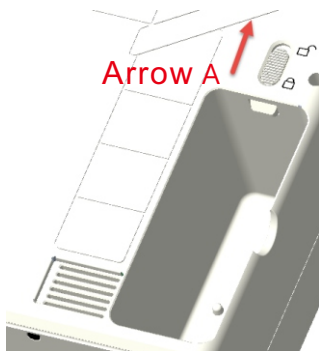


Figure: 12

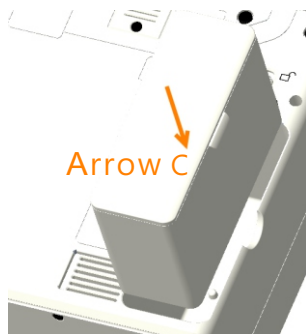


Figure:13

2. 5 Battery charging

2.5.1 How to become the state of charge

When the battery indicator less than 20%, the machine will automatically become the state of battery charging, the machine can not be turned on, and it will keeps flashing for the battery mark on the screen of the machine, such as(Please refer to Figure 14). The machine only can be re-runned, when the battery power more than 20%.



Figure:14

2. 5. 2 Battery charging

- Please insert the adapter into the power socket of the machine. Please refer to 2.2 .
The machine will automatically become battery charge mode.
Full charge time $\leq 3\text{H}$
- When the battery is fully charged, the following mark will be displayed
(Please refer to Figure 15)



Figure:15



WARNING

Incorrect use of the battery will cause the battery to heat up, catch fire, and cause damage Injury. Do not puncture, hit, trample or fall the battery box to avoid electricity in the box The pool was severely impacted or hit.



NOTE

The battery does not need to be completely discharged before charging. It is recommended that each time **charge the Battery Pack** immediately after use.



NOTE

When the lithium battery is fully charged or fully consumed, if it is exposed to the high temperature, and will happens permanent loss of battery capacity. It is recommended to keep the battery power at 25%---50% and place it in 23°C---2°C.

2.6 Nasal oxygen tube

In order to transfer oxygen from the Hideem host to the user, a pipeline is required Nasal oxygen tube. The pipeline is connected to the oxygen output port of the host machine (see Figure 16)

Oxygen outlet



Figure:16

Recommend to use nasal oxygen tubes with 6.6 feet (2.0 meters), or other suitable pipelines. Other lengths of untwisted / Star tube lines can also be used, with the longest total length less than 17 feet (5.2 meters).

When the machine is working, but unable to absorb oxygen, please check the pipeline to ensure that the oxygen inhalation pipeline is correct and that you conduct oxygen inhalation through the nasal cavity breathe.

(your doctor may recommend you to use a chin rest if necessary) If the situation holds Continue, please switch to another available oxygen source and contact your equipment supplier.



NOTE

- Be sure to follow the instructions of the pipe manufacturer for proper use. Consult your doctor the healthcare physician decides the frequency of replacing the pipeline to ensure that the pipeline is fully safe.
- The pipeline shall not be kinked, and the longest total length 17 feet (5.2 meters).

2.7 The machine components / function buttons



Figure:17

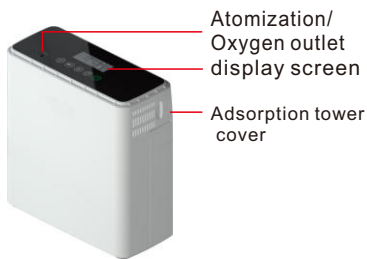


Figure: 18

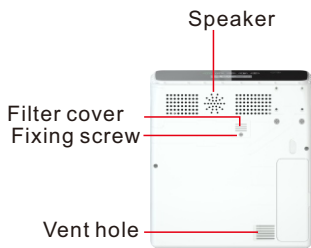


Figure:19

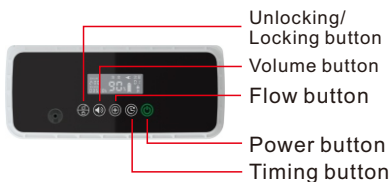


Figure: 20

2.8 Operation of the Portable Oxygen Generator

Now that you are familiar with the machine components / function buttons, please refer to Read the instructions on the following pages to operate the portable oxygen generator.

2.8.1 Operate the Portable Oxygen Generator

1. Place the machine so that air can easily flow into or flow out without obstacles.
2. Insert your pipeline into the oxygen outlet and ensure tight connection.
3. Please follow the introduction of "2.3" for the machine Power supply.



It is forbidden to use oil, grease and petroleum products on oxygen carrying devices or main engines or other combustible materials. Oxygen will accelerate the combustion of combustible substances.

4. Long press the power button, the power LED will turn green, and the machine will start just fine.
5. It takes some time to reach the maximum oxygen concentration, about three minutes after the machine runs.
6. To turn off the machine, please long press the power button until the power LED turns red, and the machine automatically becomes battery charge mode (the adaptor power supply).

2.8.2 Low battery

When the battery power meet low level, the battery mark on the machine appears to be blinking continuously. If no action is taken, the machine will automatically shut down.



In case of alarm or you observe that the machine cannot work normally, please refer to this manual. If you still can't solve the problem, please consult your device supplier.



If you feel unwell and have an emergency, please see your doctor immediately.

2.8.3 Operate function buttons

a). Long press the power button:

The machine power turned on / turn off.

b). Timer settings button:

Timekeeping time is 15 minutes, and the maximum count is 3 hours (180Minutes). If user press the time setting button again, and the time clock starts all over again. For example, when the time is not displayed on display screen of the machine , press the timer setting button firstly, and timekeeping time is 15 minutes; add 15 minutes for every operation.

The calculation formula is as follows:

Timer settings time = number of press button x15

Total timekeeping time $\leq$ 3 hours (180 minutes).

c). Flow button:

Based on the value on the display screen, press the flow button once, and it will be added 1L/minute for the flow of the machine , the maximum value is 6L/minute. When it is the maximum value, press the flow button again, and the flow will be reset to 1L/minute.

d). Volume button

It is top volume for default value the machine, when user press the button, the voice broadcast will be on the cycle between "small, medium , high, volume off "

e). Locking / unlocking button

on the display screen of the machine, if it is a lock mark, all function buttons do not work, when press the button again, it is unlocking mark, all function buttons are activated.

2.8.4 Replace the air filter

Loosen the fixing screw of the filter cover, removing the filter cover and take out the air filter, re-insert a new air filter, put the filter cover, tighten fixing screws for original air filter, wash it in clean water and dry it by wind. Please store in a cool and dry place for next time use.

2. 8. 5 Pipeline falling off

When the machine is working, there is no oxygen, please check the pipeline connection, if the condition continues, please switch to another available oxygen source and contact your equipment supplier.



This machine is not available for life sustaining purposes. Elderly, young children or others Users who cannot express discomfort need additional supervision. With audio-visual barrier code the user needs escort to help handle the monitoring alarm.

2. 8. 6 How to deal with the sign indication of the display screen and sound reminders of the machine

Content	Sound reminders	Sign indication	Condition	Objective
Adapter power supply	No		Adapter power supply successful	You can use the machine with adapter power supply
locking for all buttons(except locking button)	No		Touch all buttons (except locking button)	You can move the machine safely
Unlocking for all buttons(except locking button)	No		Touch all buttons (except locking button)	To use all function buttons
Disable sound alerts	Yes		Turn down the volume	User can rest very comfortably
Battery level full	No		Battery level full	Reminder battery Full charge
Battery level 80%	No		Battery level 80%	Reminder battery 80% power
Battery level 60%	No		Battery level 60%	Reminder battery 60% power
Battery level 40%	No		Battery level 40%	Reminder battery 40% power

Content	Sound reminders	Sign indication	Condition	Objective
Battery level 20%	No		Battery level 20%	Reminder battery 40% power
The battery becomes the charging mode	No		The battery will be run out, and it is must to be charged immediately	Remind the user that the battery is about to run out, and the machine will automatically shut down and enter the battery charging mode automatically

3 Cleaning, Care, and Proper maintenance

Cabinet



WARNING

Disconnect the power cord from the electrical outlet before you clean or service the unit to prevent accidental electrical shock hazard.



WARNING

Do not use liquid directly on the unit to clean it. A list of undesirable chemical agents includes but is not limited to the following: alcohol and alcohol-based products concentrated chlorine-based products (ethylene chloride), and oil-based products (Pine-Sol, Lestoil). These are NOT to be used to clean the plastic housing on Focus, as they can damage the unit's plastic



NOTE

Replace the disposable cannula periodically following normal usage according to your Equipment Provider's recommendations



NOTE

Keep the unit clean and free from moisture and dust. Clean the plastic housing periodically by wiping with a lint-free cloth or with a mild household cleaner applied with a damp cloth or sponge. Pay special attention to the oxygen outlet for the cannula connection to make sure it remains free of dust, water, and particles.



NOTE

To prevent a voided warranty, follow all manufacturers instructions.



NOTE

Does not recommend the sterilization of this equipment

Carrying Bag, Battery Bag and Strap

To clean the carrying bag, battery case, belt, and strap, brush only with warm, soapy water (do not saturate), then allow to air dry. Do not machine wash or dry.

4. Troubleshooting

The portable oxygen generator can be used without failure for several years. If The portable oxygen generator cannot work. Refer to the icons on the following pages to find the possible causes and solutions. If necessary, consult your equipment supplier.



NOTE

Please do not try to solve the possible difficult problems not listed in the table below.

Problem	Possible causes	Solutions
Battery mark on the machine appears to be blinking continuously.	The battery low level	Connect to DC or an AC power immediately

Problem	Possible causes	Solutions
Unit does not start on battery power, although the battery indicates a charge.	Battery may be hot too or cold if left outdoors such as in an automobile	Allow the battery to reach normal operating temperature which may take several minutes if exposed to temperature extremes. Temporarily connect your AC or DC power supply to the unit's power inlet and power source. as needed.
Delay in recharging battery.	Battery exceeds charging temperature.	Unit may be operated: however, charging may not resume until battery temperature is reduced.
It is normal for The screen display of the unit, but user can not get oxygen	Pipeline broken/ The machine problem	Replace Pipeline/ Turn off unit. Change to another source of oxygen as available.
All other problems	A general malfunction has occurred.	Turn off unit. Change to another source of oxygen as available, and contact your Equipment provider.

5. Technology indicators of the Oxygen Concentrator

Product name	Portable Oxygen Concentrator
Product code	BE-16
Product categories	TYPE 1, internal power, BF TYPE
O₂ CONCENTRATIONS	93%±3% (1L±0. 2/min) ~30%±5% (6L±0. 5/min)
O₂ FLOW	1L±0. 2/min-6L±0. 5/min
Dimensions	221mm(L)*95mm(W)*230mm(H)
Weight	Machine: 2. 5±0. 2Kg Battery Pack: 0. 5±0. 2Kg
Power	AC POWER: AC110V 60Hz~AC220V 50Hz
	DC POWER: DC24V
	Battery Pack: 12pcs 18650(PTC) Cell 2P6S 124.8wh

```
graph TD; Air[Air] --> AF[Air-filtration system]; AF --> MS1[Muffler systems]; MS1 --> Comp[Compressor]; Comp --> Cond[Condenser]; Cond --> BT1[Buffer tank]; BT1 --> CDS[Changing direction system]; CDS --> AT[Adsorption tower]; AT --> MS2[Muffler system]; MS2 --> Exhaust[Exhaust into the air]; AT --> ONS[Oxygen/nitrogen separation]; ONS --> O2[Oxygen]; ONS --> N2[Nitrogen]; O2 --> BT2[Buffer tank]; BT2 --> O2Out[Oxygen outlet]; N2 --> MS3[Muffler system]; MS3 --> Exhaust;
```

7.Guidance on using electromagnetic environment

In order to avoid strong electromagnetic environment interference or interference with other electrical products, please keep the machine at least 30cm away from other appliances.

8. after-sale service

This product has non-human quality problems within one week from the date of sale The company is responsible for the guaranteed return ,replacement and repair; Under normal use and maintenance, the machine comes out automatically quality problems within one year from the date of manufacture or within one year from the date of purchase of the machine (at the customer's option), the company will provide free maintenance (It is 3 years for warranty period of the compressor). Beyond maintenance for machines with a fixed term, users can go the after-sales service department of the company to handle them according to the sales bills and warranty cards Reasonable charge for maintenance at the agency or dealer. If the user can not provide a valid sales bill ,the warranty period start date will be extended 1 month from the production date of the machine.

The following situations are not within the scope of maintenance:

- 1). Vulnerable and consumable products: earphone type or nasal oxygen inhaler, filter element.
- 2). The user caused water, drugs and other liquids to enter the machine, resulting in the machine can not work normally.
- 3). The whole machine is in water or rain.
- 4). Failure caused by unauthorized disassembly, repair and transformation of the machine.
- 5). Faults caused by careless falling during use and handling.
- 6). Failure caused by failure to operate according to the correct method in the instructions.
- 7). Unforeseen natural disasters (such as fire, earthquake, flood, etc.) or force majeure Damage caused by.
- 8). The scope of removal in the warranty card.

9. Disposal of wastes and residues

The disposal of wastes and residues shall comply with the corresponding national laws and regulations.

To reserves the right to change the technology and appearance of this product. There will be no further notice if the product meet any further changes.

