

## CAUTIONS

- Read this instruction carefully before use
- Open flames and smoking are forbidden when the oxygen is applied
- Do not turn on or turn off the machine too frequently. 3~5 minutes break is acceptable to prevent the compressor form starting with the pressure, which will shorten its life. Turn off the flow controller at the same time.
- Keep the intake and exhaust window through to prevent the machine from getting too heated and failing to work.
- Change the water in the humidifier frequently (twice a week),clear the water in case of no use the machine for a long time.
- Sterilize the oxygen cannula with alcohol before use
- Clean the intake net frequently(once a month)and keep dry before reuse
- Open the maintenance window every three months and take the intake filter out for clean or change it when purity decrease .Normally, the intake filter should be changed one a year.

## SERVICE GUARANTEE

We will make our best effort to maintain the machines at good working condition from the date of the sale, we will offer one year charge-free maintenance. After one year maintain service fee we Only charge the cost

## LFY-I-7J Series Operation Instructions



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## SPECIFICATIONS

Oxygen flow(L/min): 0~7 L/min  
 Oxygen delivery pressure: 0.070MPa~0.083MPa  
 Dimension (mm): 384(length)x 321(width)x521(height)  
 Power supply: AC120V 60Hz  
 Electric classification: Model B Type I  
 Oxygen concentration: 93%±3%  
 Noise : ≤50dB(A)  
 Power consumption: ≤450VA  
 Net weight(Kg): 34  
 Gross weight(Kg) :41  
 Out packing dimension(mm) :495(length)x445(width)x670(height)

## TROUBLESHOOTINGGUIDE

Item	Faults	Possible cause	Remedy
1	When switch on or insert IC card, doesn't work, indicator doesn't give light or alarm can be heard	1. Power doesn't put through 2. Socket is with no 3. Fuse failed installed or damaged	1. Check if power cord is OK 2. check if the power is on 3. Open power socket to check if power use or change it
2	The machine stopped working or the purity decrease after it work for some time	1. Intake or exhaust window are blocked 2. Intake net get dirty 3. Intake filter get dirty 4. Ambient temperature is over high 5. Voltage is over low 6. Fan doesn't work	1. Check the intake and exhaust window. 2. Clean the intake net 3. Open maintenance window and loose the intake filter for cleaning or change 4. Put the machine where is airy 5. Guarantee the voltage of 120V 6. Change Fan
3	No oxygen is sent out after the machine operates or no bubbles come out from humidifier	1. The flow controller doesn't turn on (ball doesn't rise) 2. The nasal cannula folded 3. Trouble caused by the machine itself	1. Turn on the flow controller to see if the ball inside rise up 2. Make sure the nasal cannula is well through 3. Contact us
4	Loud noise can be heard while the machine operates	Trouble caused by the machine itself	Contact us
5	High or low alarm will be heard while the machine working	Trouble caused by the machine itself	Contact us

Regular maintenance

1. The machine should be used in dry and clean environment.

2. Take off the top covering by counterclockwise screwing, take off the felt and wash it at least once per three months or change a new one per six month. (See picture 5)

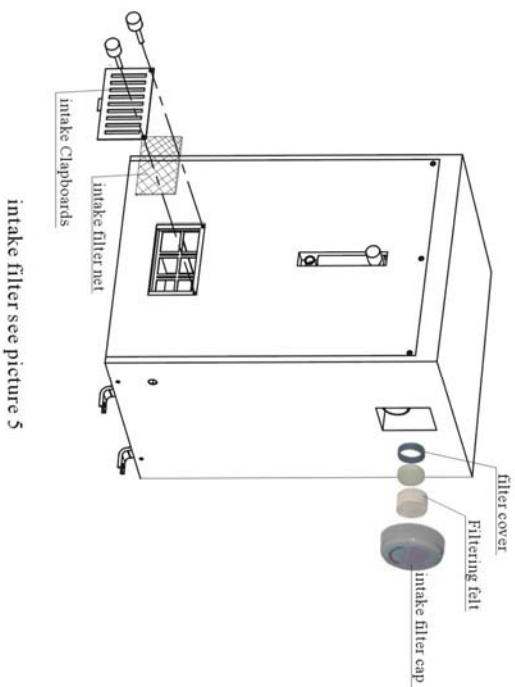
※ **Note: The sponge and the felt should be dry before you use them again after washing**

How to replace the felt of filter

Take off the tap covering by counterclockwise screwing. Take off The felt (2 piece) and replace a new one at per 1000 hours (equals per six month)

※ **Notice: The felt of filter allow to replaced, absolutely can not be washed**

**⚠ Make sure the power is cut off before making any dismantlement of your oxygen concentrator!**



**WORKING ENVIRONMENT**

Temperature: 5°C-40°C

Air pressure: 860hPa~1060hPa

Relative humidity: ≤80%

Working power : AC120V 60Hz

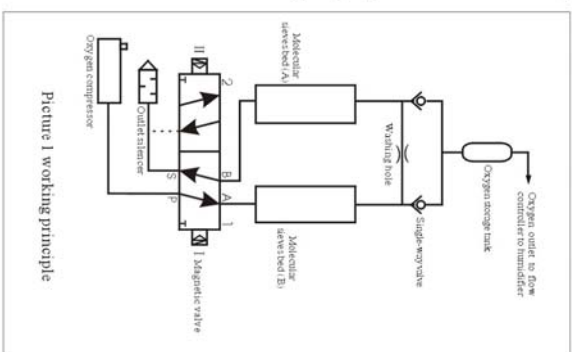
**INTRODUCTION**

Model LFY-1-7J makes use of advanced principle of physical oxygen generation and directly separates oxygen and nitrogen in air under normal temperature through the pressure-swing adsorption (PSA) principle of the molecular sieve to obtain oxygen of high purity for continuous oxygen supply. The power supply of this model is 120V.

It featured small volume, light weight, low noise, stable performance, easy to operate and all gas circuit is controlled by low pressure system. Can manufacture oxygen at any time any place if necessary.

**WORKING PRINCIPLES**

The air compressed by oil-free air-compressor enters the molecular sieve bed A through the opening magnetic valve the entrance P to A. The nitrogen adsorbed, and the oxygen in the molecular sieves bed A entering oxygen storage tank through one-way valve. Then the oxygen comes by pressure regulating valve and flowmeter into humidifier to get wet. Thus oxygen can be available for people. Less oxygen will come to Bed B through washing hose exhausted to the air together with the desorbed nitrogen from the opening magnetic valve the entrance B to S. With valve P and valve B open, valve A and valve R are closed and the compressed air comes into sieve bed B, oxygen coming into the tank through one-way valve for people to take. Some oxygen return to the molecular sieves bed A through the washing hose. The nitrogen which was adsorbed by the molecular sieves bed A exhaust out of air from valve I the oxygen which has been washed by the washing hole in the molecular sieves bed B washes the molecular sieves bed A once again and exhaust out of air from the valve L. It will start to new cycle after the working cycle end. In this way, the oxygen is supplied to oxygen storage tank by the two molecular sieves in turn, which can produce oxygen directly from the air.



Picture 1 working principle

## APPLIED RANGE

Model LFY-1-7J is intend to use the oxygen concentrators with ozone systems on laundry and dry-cleaning machines in hotels, hospitals and care homes. Therefore, it can meet the bactericidal demand on laundry, also very suitable for aquaculture, sewage treatment industry

## OPERATION INSTRUCTION

### Name of parts and its functions



power switch  
power indicator  
flow control valve  
front cabinet  
intake filter net  
oxygen outlet

Front drawing see picture 2

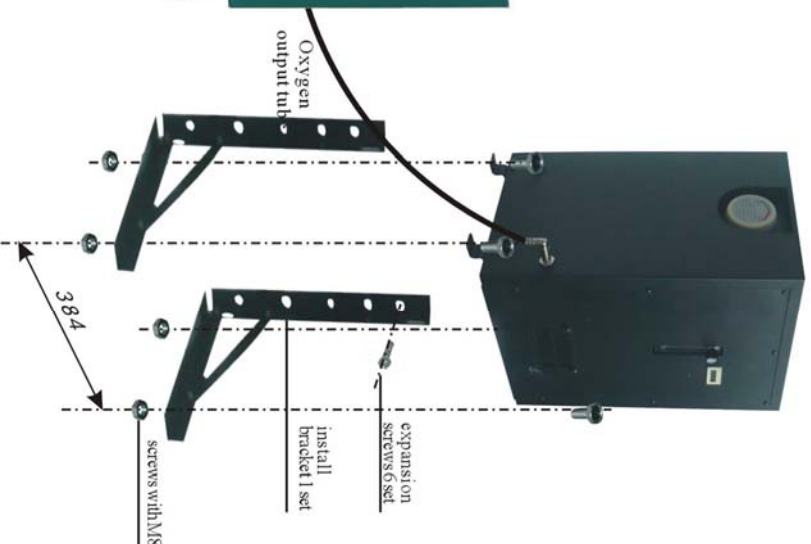


intake filter  
back cabinet  
power cord  
exhaust window

Rear drawing see picture 3

- Intake filter- it used for filter the air with felts in it which can be replaced.
- Power switch-when it is connected to the switch with power on ,the oxygen concentrator will start to work; when it is connected to the switch with power off, the oxygen concentrator can not work and occur alarming at the same time .
- Power indicator(green)- the power indicator will be green when power is on. When the power is cut off, the power indicator will turn off and the oxygen concentrator will alarm at the same time.
- Flow control valve - it can adjust the oxygen flow and display the flow value through the adjusted knob
- Power cord-The 10 meter length power cord is directly draw out from the back cabinet of machine. One fuse which with 250V ,5A capacity on the power cord
- Intake filter net - it can keep the dust and dirt form being absorbed into the oxygen concentrator. It should be cleaned once every other week.
- Exhaust window- it can be exhaust the nitrogen and ventilate the heat which should be with no other obstruction

### ○ The methods of installing



Picture 4 Installation drawing

- This model oxygen concentrator has feet at the bottom can be installed with bracket and expansion screws in the wall. It also can be placed directly on a dry and clean place. The oxygen output tube connected with necessary equipment, such as laundry etc.
- How to operate the machine

Installing the machine follow the picture 4, connect well the oxygen output tube and power cord, the power indicator turn green, press down the power switch and the oxygen concentrator start to making oxygen .