

# Portable Oxygen Concentrator (Household use)

## Operating Instructions

---

Model No. ZY001

- Please read this Operating Instructions completely before using your Oxygen Concentrator in order to use it properly and ensure its lasting operation. After reading this Instructions, store it safely so that it is accessible whenever necessary.

# Contents

## 1 Before using

---

Safety precautions-----	3、 4、 5
Principle of operation-----	6
Names of parts-----	7、 8

## 2 How to operate

---

How to use-----	9、 10、 11、 12
-----------------	---------------

## 3 When required

---


How to maintain-----	12、 13
Daily maintenance-----	14、 15、 16
Specifications-----	17




## Safety precautions

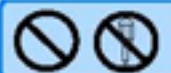
In order to prevent the risk of danger to the operator of this product or those nearby, and damaging property, be sure to follow the safety precautions outlined below.


\* The following terms are used for precautions. They are separated depending on the degree of the danger or damage that may occur if their contents are ignored while using this product.

 **CAUTION** \*This term cautions you that injury or physical damage to property may result by incorrect operation of the product.

 **WARNING** \*This term warns you that death or serious injury may result by incorrect operation of the product.

\*The following signs are used to explain operations that you are requested to follow. They are separated as shown below. (Below are examples of the signs used in this manual.)

 This sign designates actions that you must never do (prohibited actions).

 This sign designates actions that you must do (required actions).

### CAUTION



\*Do not operate the appliance when a fumigating (smoking) type insecticide is used in the room.

Otherwise, an accumulating active component of the insecticide may be discharged by operation of the appliance, and this may harm your health.  
※After using insecticide, be sure to provide sufficient ventilation before using the appliance.



No fire

\*Keep the appliance away from any flame. Deformation of the unit may cause shorting or ignition.



Pull out the plug.

\*Pull out the plug when the appliance is not used for a long time. Otherwise, it may cause injury, burn, electric shock due to insulation failure, or fire caused by leakage.

**CAUTION**



•Be sure to hold the plug properly when pulling it out.  
Otherwise, it may cause electric shock or ignition caused by shorting.



Do not operate the appliance in moisture.

•Do not use the appliance in a moist place such as a bathroom or a sauna bath.  
Otherwise, it may cause an electric shock or failure.

**WARNING**



•Do not let an unsophisticated user such as a child operate the appliance alone.  
Do not place the appliance within reach of babies and toddlers.  
A tube twisting around the neck may cause choking, or an O<sub>2</sub> mouthpiece may be swallowed.



Do not get the unit wet.

•Do not soak the unit in water, and do not spill water over the unit.  
Otherwise, it may cause an electric shock, a short circuit, or a fire.



Hands must not be wet.

•Never remove or install the plug with wet hands.  
May cause an electrical shock.



•Provide proper ventilation when using the appliance with combusting equipment.  
Erwise, it may cause carbon monoxide poisoning.  
※This appliance does not remove toxic gases such as carbon monoxide.



•Be careful not to damage the power cord and plug.  
Operating with a damaged cord or plug may cause an electric shock, a short circuit, or a fire.  
※Contact your dealer to repair a cord or plug.



Do not disassemble the unit.

•Do not disassemble, repair, or modify the appliance.  
Ignition or abnormal operation may cause serious injury.  
※Contact your dealer for repair.



Pull out the plug.

•Be sure to pull out the plug before maintenance and inspection.  
Otherwise, it may cause an electric shock or injury.



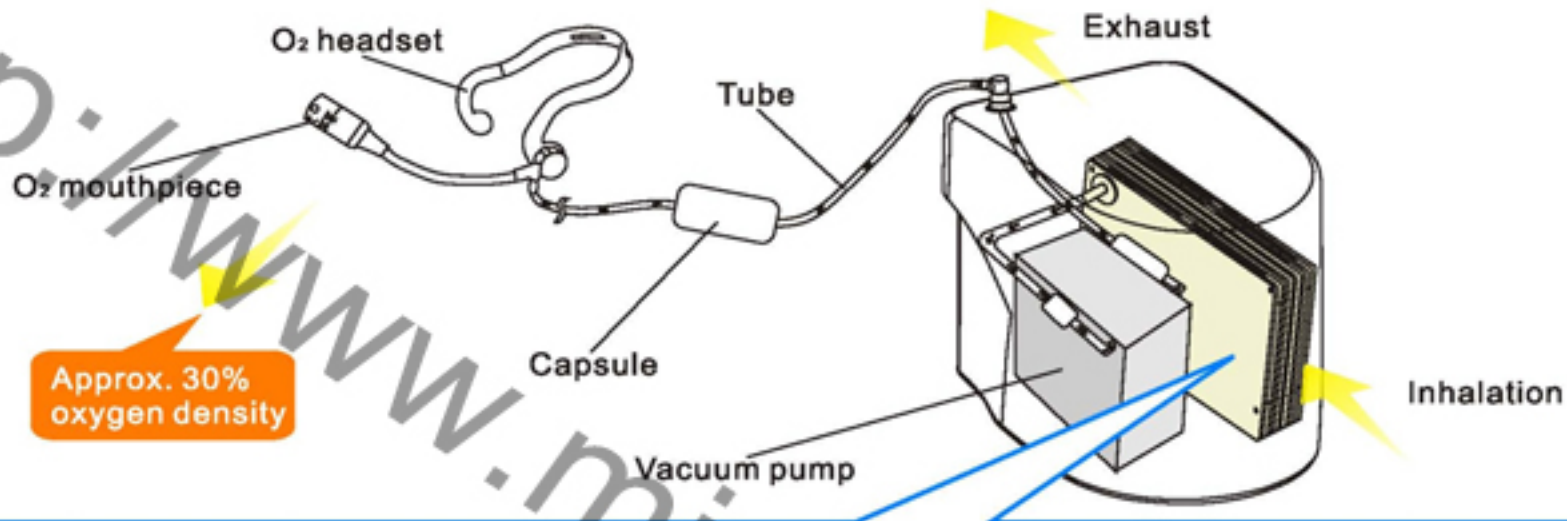
•Remove the dust on the plug regularly.  
Dust accumulating on a plug may cause poor insulation and a fire.  
Pull out the plug and wipe it regularly with a dry cloth.



## Precautions for use

- The Oxygen Concentrator is not medical equipment.  
When you are sick or pregnant, please consult your physician before use.
- When you are under medical treatment by a physician or when your physical condition is abnormal, please consult your physician before use.
- If you have any abnormal sensations while using this product, stop using it immediately.
- The Oxygen Concentrator is designed for home use. Do not use it for purposes other than inhalation of oxygen-rich air.
- Do not put any aromatherapeutic or aromatic substances in the capsule.  
(Such substances may cause plastic parts to crack or become discolored.)
- Do not use this product in the presence of any odor or exhaust gas.  
(The odor or gas components may be condensed.)
- Do not spray insecticide, cosmetics, or deodorant etc. On the main unit of this product.  
(The oxygen enrichment membrane may become clogged, resulting in poor performance.)
- Empty the capsule of accumulated water and wipe up any remaining droplets of water if they are worrisome to you.  
(Otherwise, the water may come out of the mouthpiece or may generate odors. Do not drink accumulated water. )
- Do not use this product while smoking.  
(It may generate odors. )
- Do not lay the unit down or block the air intake and air outlet while using the appliance.  
(Otherwise, it may shorten the lifetime of the vacuum pump or cause a failure.  
Blocking the air intake or outlet may affect its performance. )

## Principle of operation



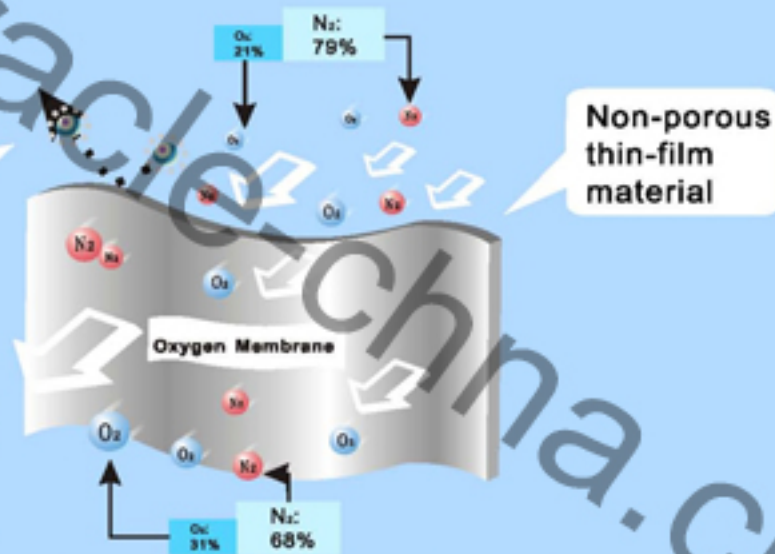
Because molecules penetrate a membrane at different speeds, the oxygen and nitrogen molecules become separated from each other. This allows air to be produced containing approx.30% density of oxygen

### Surrounding Air

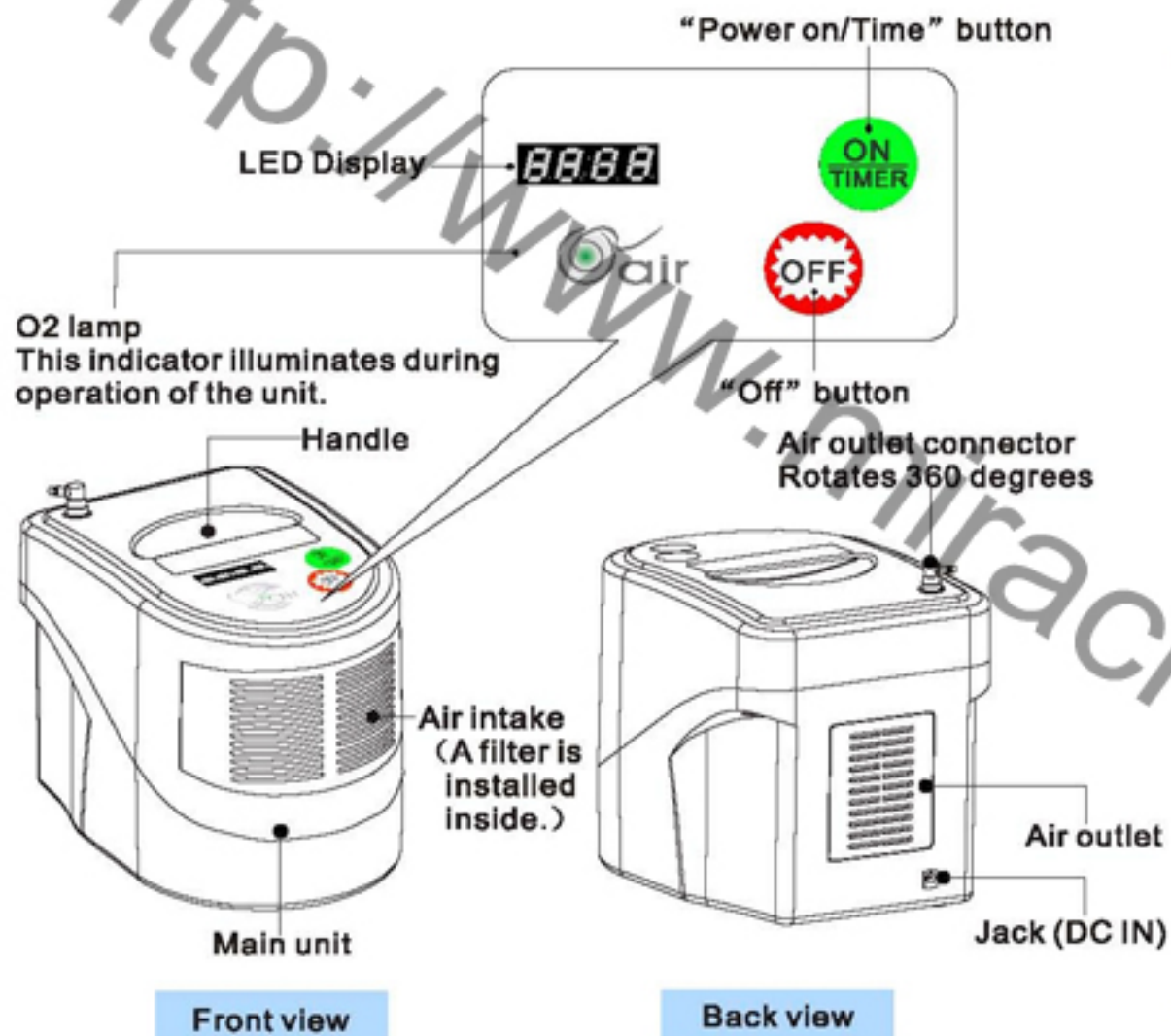
Isolated micro organisms like bacteria and other various types of viruses

### Oxygen Enriched Air

Negative Pressure  
-75kPa



## Names of parts



## Accessories

(check the packaged items before use.)

O2 headset (1 set)



Tube set (1 set)



AC adaptor (1 set)

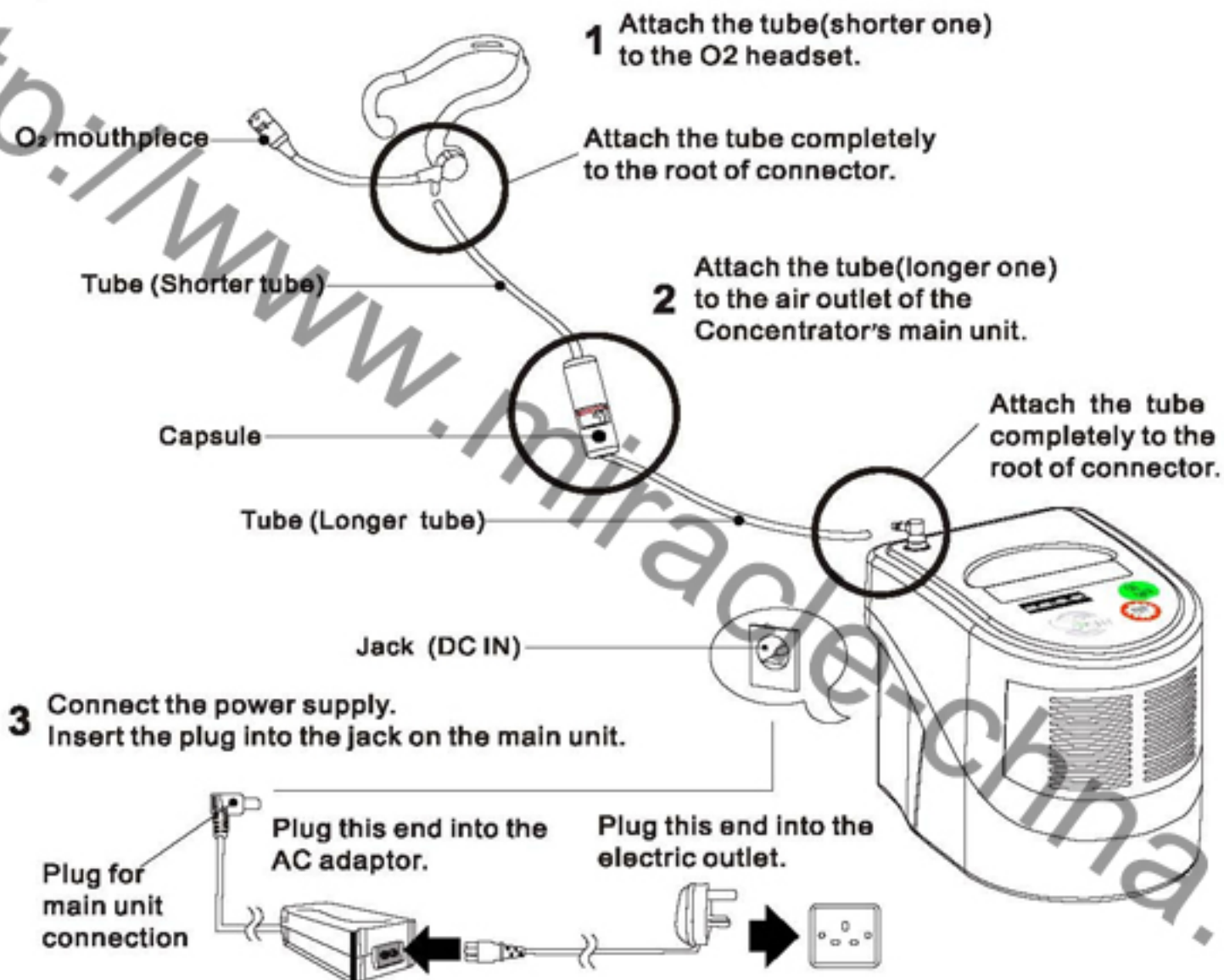


Power supply  
cord set

DC cord set

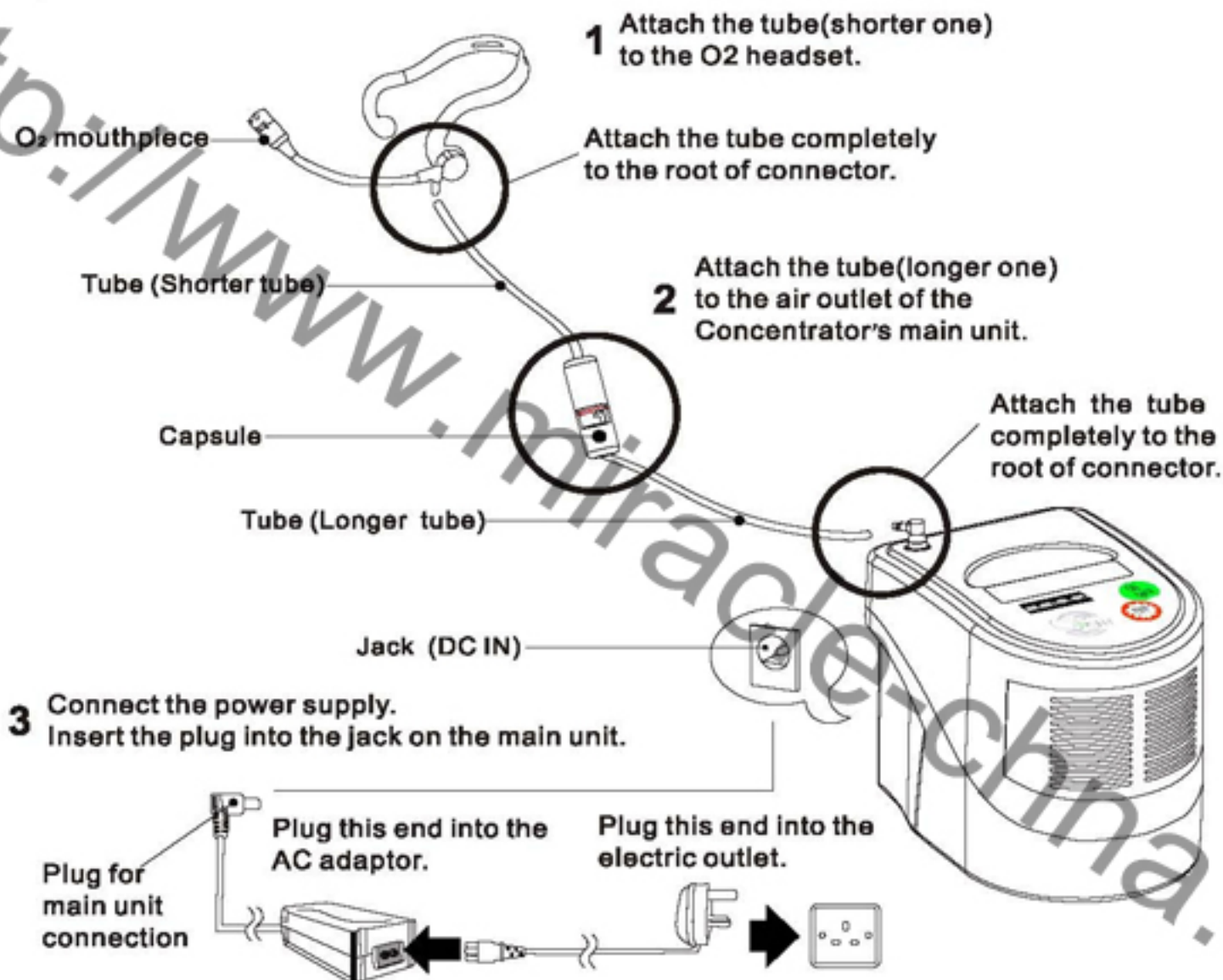


## Preparation (Assembly Diagram )



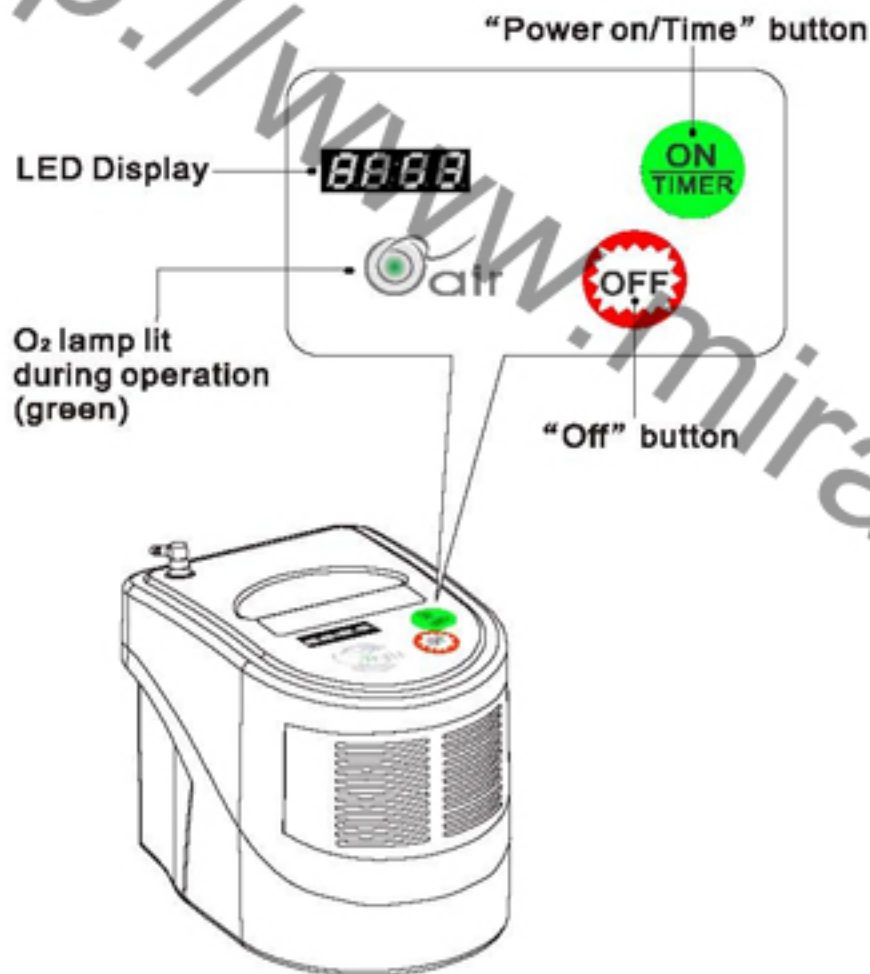


## Preparation (Assembly Diagram )



2

Insert the power plug an electric outlet and Press the “Power On / Timer” button to operate.



•When the “Power on/Time” button is pressed, the the LED display “**8000**” and the O<sub>2</sub> lamp illuminates at the same time. 30% oxygen-rich air is discharged from the O<sub>2</sub> mouthpiece.

Each time you press the “Power on/Time” button, the time setting is shifted from 10 minutes to 20 minutes and to 30 minutes in the order.



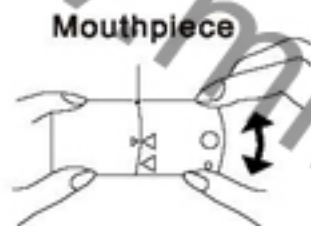
Basically, we recommend that you use this product for about 10 minutes every day, but you may change the setting to 20 or 30 minutes, or no timer (At display “**8000**” )

•When the set time is over, the machine’ s operation stops automatically.

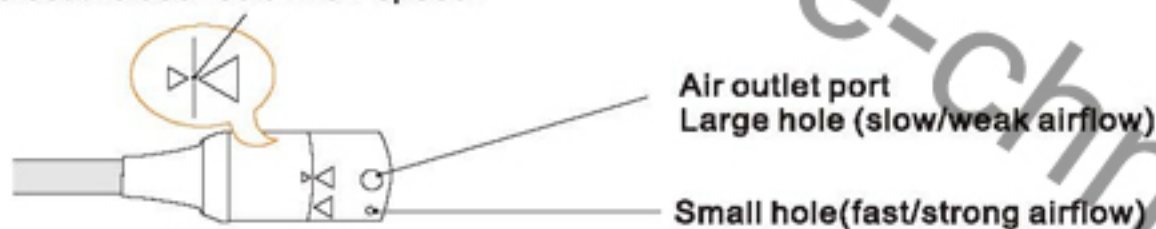
## How to use

### Airflow speed selection

- ◆The airflow speed can be switched between two levels.  
(The airflow volume is constant regardless of the airflow speed selection.)
- ◆Hold the mouthpiece as shown in the figure and select the airflow speed.  
(Do not block the air outlet port.)



Set the arrows to select the desired airflow speed.





## CAUTION

When storing the appliance for a long time

Before storing, operate the appliance for 30 minutes on a dry day to dry the tube and capsule completely.

## How to maintain

### CAUTION

Before starting the maintenance, press the “Off” button and disconnect the power plug.

### Frequent maintenance

#### Capsule



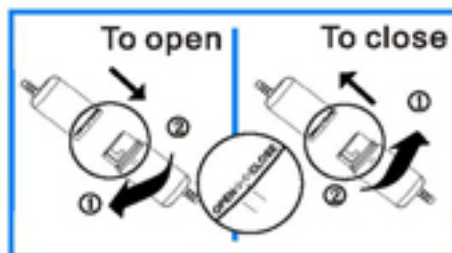
Accumulated water

◆ Empty the capsule if water is accumulated in it. Wipe off droplets with a facial tissue or something similar.

If too much water accumulates in the capsule, water may adhere to the filter in the O<sub>2</sub> mouthpiece, or water droplets may come out of the O<sub>2</sub> mouthpiece.

If water adheres to the filter, remove the filter and dry it in the shade in a clean place. Before use, dry the filter completely. Absorbing water with tissue paper helps to dry the filter.

(Refer to page 14, 15, 16 for removal procedures for the filters.)



If you use the Oxygen Concentrator continuously or at a time or place of high humidity, water will accumulate more quickly.

#### NOTE

◆ Please do not drink the water which accumulated.

## How to maintain

### Periodic maintenance (approximately once per month)

#### Filter



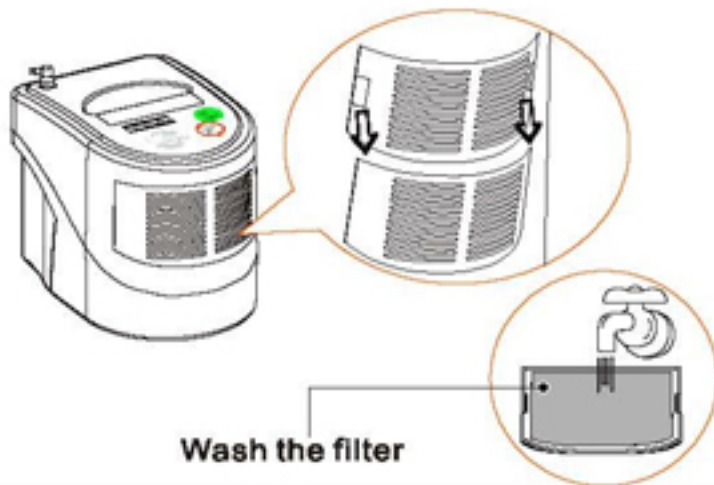
Filter  
(air inlet port)

- You may remove the filter and wash it with water.  
After washing it, dry the filter completely before attaching it to the main unit.

#### NOTE

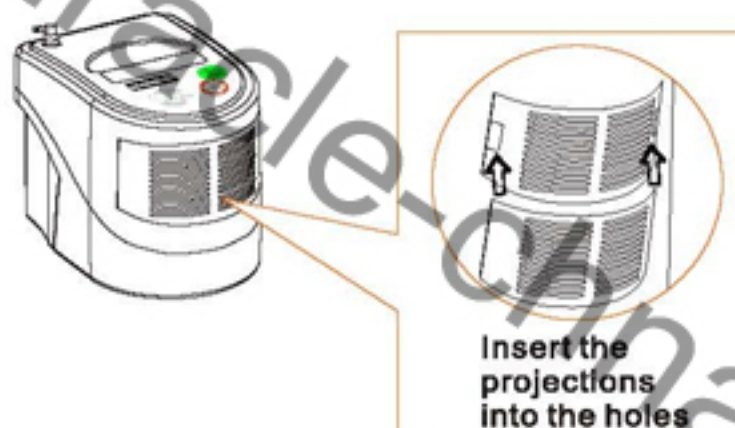
- After the maintenance, be sure to attach the filter before use.

#### < Removing the filter >



Wash the filter

#### < Attaching the filter >



Insert the  
projections  
into the holes

## Daily maintenance

### CAUTION

maintenance required when odor and dirt become annoying or after a long period of disuse

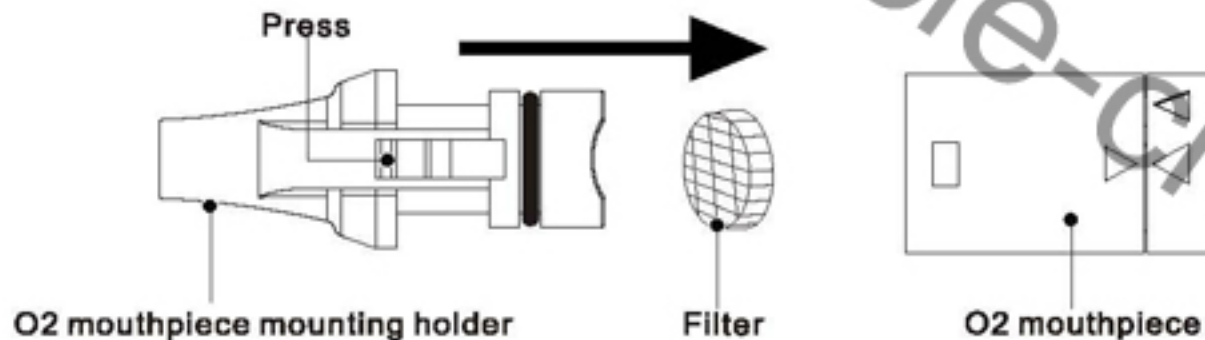
### Maintenance on O<sub>2</sub> headset and tube set

- Remove the capsule and tube.
1. (Leave the capsule and tube mounted except when performing maintenance.)
  2. Remove the mouthpiece, filter, and the mouthpiece cap.



### Removing the O<sub>2</sub> mouthpiece

Pull out the mouthpiece slowly in the direction shown by the arrow.

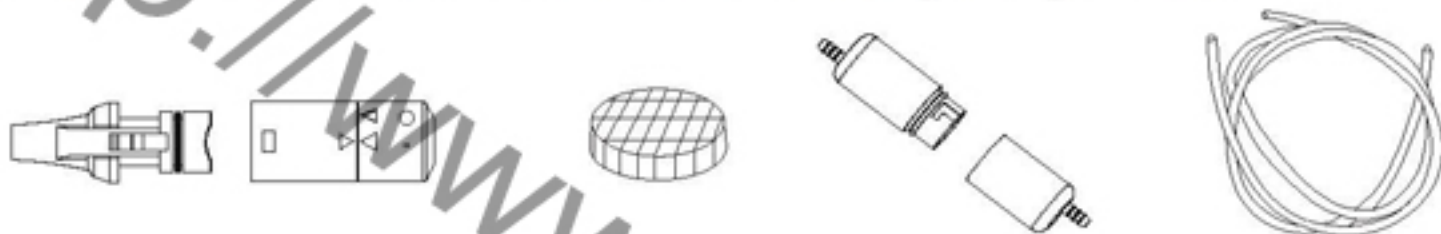




## Daily maintenance

---

- 3. Rinse the components.**  
\*Soak the components in water for 2 to 3 minutes and let water go through the tube.



### NOTE

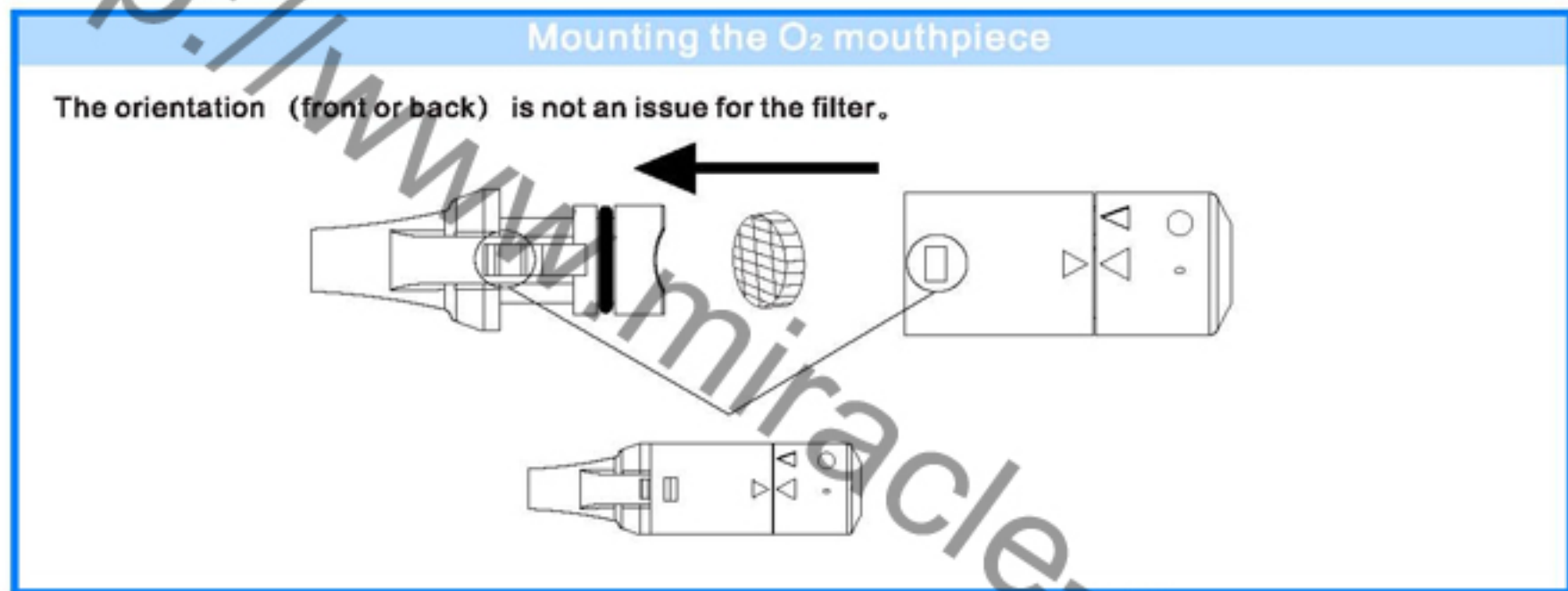
- \*Do not soak the components in water that is hotter than 60°C.  
(Otherwise, it may cause deformation or discoloring.)
  - \*Do not rinse the whole O<sub>2</sub> headset.
  - \*Do not use detergent, benzine, thinner, or alcohol.  
(Otherwise, it may cause cracks or discoloring.)
  - \*Be careful not to lose the filter, which are very small.
- 4. Dry the components.**
- (1)Wipe out and drain off the moisture.
  - (2)Mount the components on the unit as shown in the figure on the right and operate for 30 minutes to dry out the unit.
  - (3)Remove the O<sub>2</sub> headset, capsule and tube and dry them completely in a clean place in direct sunlight.  
(If drying is incomplete, water may drip out of the O<sub>2</sub> mouthpiece during operation.)

### NOTE

DO not the components with the air of an electric dryer, etc. (It may cause deformation or failure.)

**5. Reassemble the components.**

**NOTE** \*Be sure to mount the filter before use.



**Maintenance of the main unit**

\*Wipe the surfaces of the main unit with a soft, damp cloth.

**NOTE** \*Do not use detergent, benzine, thinner, or alcohol.  
(Otherwise, it may cause cracks or discoloring.)

\*When using a chemical dustcloth, be sure to follow the instructions of the cloth.

## Specifications

Model No.	ZY001
Power consumption	35W
Oxygen generating method	Membrane separation method (oxygen enrichment membrane)
Inhalation method	Using a O <sub>2</sub> headset (Back-hanging type)
Oxygen concentration	Approx.30% (at 20℃)
Airflow rate	Approx.2L/min. (at 20℃)
Continuous operation time	10/20/30 minutes with a timer
Operation noise	Approx.50dB
Dimensions	W168mm × D240mm × H209mm
Weight	4kg
Accessories	O <sub>2</sub> headset-----1 set
	Tube set -----1 set
	AC Adaptor -----1 set
AC adaptor	
Input	AC100V-240V 50/60Hz
Output	DC12V 4A
Cord length	1.5m(Power supply cord set)
	1.8m(DC cord set)



[Http://www.m...](http://www.m...)

**Portable Oxygen Concentrator (Household use)**

[www.m...china.cn](http://www.m...)

A scenic landscape featuring a vibrant green field in the foreground, a calm blue lake in the middle ground, and a forested hillside in the background. The sky is a deep blue with scattered white clouds. The text 'Portable Oxygen Concentrator (Household use)' is prominently displayed in the center of the image.

MIRACLE CO.,LTD

Address: Room B601 Hengsheng Building B , No. 205 Huanshi Zhong Road Guangzhou China /POST  
NO.:510010

TEL:86-20-86673107 FAX:86-20-86672750

Email: [admin@miracle-china.com](mailto:admin@miracle-china.com)

Skype: miracle-china

MSN:[china.miracle@hotmail.com](mailto:china.miracle@hotmail.com) QQ:286372662

<http://www.miracle-china.cn>

[www.miracle-china.cn](http://www.miracle-china.cn)