

Product Manual

**CY-A
CAT OXYGEN CHAMBER**



Please read this Manual carefully before using this product.

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Safety Summary

Special Warning:

1. This product is a non-medical product, which should not be used in any treatment scenario (e.g. surgery, medical care, first aid, high-risk pets, etc.). Please read this Manual carefully before use.
2. To avoid power failure or possible failure of the oxygen bar, other back-up oxygen supply devices, such as oxygen cylinders, oxygen bags, must be provided for pets in urgent need of oxygen and in critical conditions! This product is designed to supplement oxygen and is not considered for life support or life extension!

1. Important information

- There is a risk of electric shock. Unauthorized dismantling of the machine is not permitted. Please have it serviced by qualified service personnel.
- Please read the following carefully before operating it.

2. Pre-installation

- To prevent damage, the oxygen chamber shall be transported in a vertical position and shall not be inverted.
- If the power supply voltage is unstable and beyond the range of $\sim 220V \pm 22V$ ($\sim 110V \pm 10V$), please install a voltage regulator before use.
- Safe and qualified sockets and terminal blocks with safety electrician certification must be selected.
- Unauthorized personnel are not allowed to disassemble the housing.

3. Installation site

- * It should not be placed in an environment where airflow is obstructed.
- * It should be placed indoors where it is ventilated and out of direct sunlight. The distance between its side and the wall, furniture and other similar objects should be more than 10cm. It should be avoided near carpets, humidifiers, electric heaters or hot air ventilators, and must not be placed in a confined area.
- * Oxygen chambers must not be placed near heat sources and open or dark fires, in damp, uncovered, smoky, polluted, too hot or too cold environment.
- * No sundries or containers of water or oil may be placed on top of the oxygen chamber.
- * No sundries should be placed at the bottom of the oxygen chamber, and the machine mustn't be placed on a soft surface (e.g. bed, sofa) that will cause it to tilt or sink. Air inlet and outlet

should be prevented from blockage to avoid cause high temperatures, resulting in downtime or oxygen concentration dropping.

4. Fire warning or explosion

- As oxygen is a type of flammable gas, the oxygen chamber should be kept away from flammable and explosive environment, from other combustible sources such as matches and flammable cigarettes, and from textiles and other materials that do not normally burn (they are easily ignited and burn strongly in oxygen-rich air). Besides, smoking is prohibited during use. Ignoring this warning may result in serious fire, property damage, and personal injury or death.
- Special care shall be taken to reduce the risk of fire during the use of the oxygen chamber. Some materials will burn in air, while others will not burn in air but will ignite easily and burn quickly in oxygen-rich environment. Therefore, it is essential that flammable sources should be kept away from the product and preferably taken out of the room when it is in use from security standpoint.
- Since spontaneous combustion and violent burning can occur when oil, grease or greasy substances come into contact with oxygen under certain pressures, these substances must be kept away from oxygen chambers, lines, connectors, and all other oxygen devices.

5. Maintenance

- Pre-maintenance or commissioning of the oxygen chamber should be carried out only by authorized dealers or trained operators.
- The manufacturer recommends that the oxygen chamber should run for no less than 30 minutes at a time. It must not be switched on and off frequently. To avoid affecting the service life of the compressor, it is recommended that it can be turned on again after 3-5 minutes of shutdown.

6. Guidance on electromagnetic environment

- This machine is suitable for applications in hospitals, homes and other buildings with a low voltage grid power connection for civil use.
- Since the radio frequency energy used by this machine acts only on the internal operation of the machine, it has a very low radio frequency emission and is unlikely to affect other nearby electrical equipment.
- Due to the dramatic increase of radio frequency emitters or other sources of electrical noise in health facilities, severe interference due to proximity to or strong power of the emitting source may interrupt the operation of the machine.
- If this occurs, the site of use should be inspected to identify the source of the interference and the following measures should be taken to eliminate the interference.
 - (1) Switch off nearby equipment and then switch it on again;
 - (2) Change the direction or position of the interfering equipment; and
 - (3) Increase the distance between the interfering equipment and this equipment.

7. Measures to reduce the risk of burns, electric shocks, fire or pet

injuries

- ⊗ The oxygen chamber should not be placed or stored in a place where water or other liquids can easily drip into it.
 - ⊗ It is recommended that someone should look after the machine and pets when the oxygen chamber is powered on for oxygen inhalation.
 - ⊗ Do not use parts, accessories or adapters that are not approved by the manufacturer. Any humidifiers and operating accessories not specified for this oxygen chamber will reduce the performance of the machine.
 - ⊗ Do not connect this product in parallel or in series with other oxygen generation equipment.
 - ⊗ Always keep the power cord away from the heated or hot surfaces.
 - ⊗ Do not move the oxygen chamber when it is energized.
 - ⊗ Do not drip or insert any substance into the opening of the machine.
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- If the oxygen chamber falls into water, do not touch it. Disconnect it from the power supply immediately and contact the manufacturer.
 - Please refer to this Manual for details of how to use it. If the user feels that the oxygen level is insufficient, contact the manufacturer immediately.
 - Since oxygen can be dangerous in some specific environments, please consult your doctor's advice before using this product.
 - Any sparking shall be avoided in the vicinity of the equipment, including sparks due to various types of frictional static.
 - If the power cord or plug of the oxygen chamber is damaged, or the machine cannot work properly, or the machine is fell or damaged, contact the manufacturer's maintenance personnel for inspection and repair.

Product Features

1. Overview

Oxygen at atmospheric pressure with higher concentration has the following functions:

- Enhancing immunity and resistance to disease of pets, and relieving mental and physical fatigue.
- Regulating the nervous system and improving the oxygen supply to the brain, with significant sedative and analgesic effects.
- Improving respiratory system and lung function, relieving bronchospasm, alleviating breathing difficulties, easing ventilatory dysfunction, strengthening cardiovascular system, and improving blood system.

2. Range of application

Oxygen supply for pet hospitals, pet beauty salons, and household pets.

Scope of application: <8KGS cats.

3. Structural features

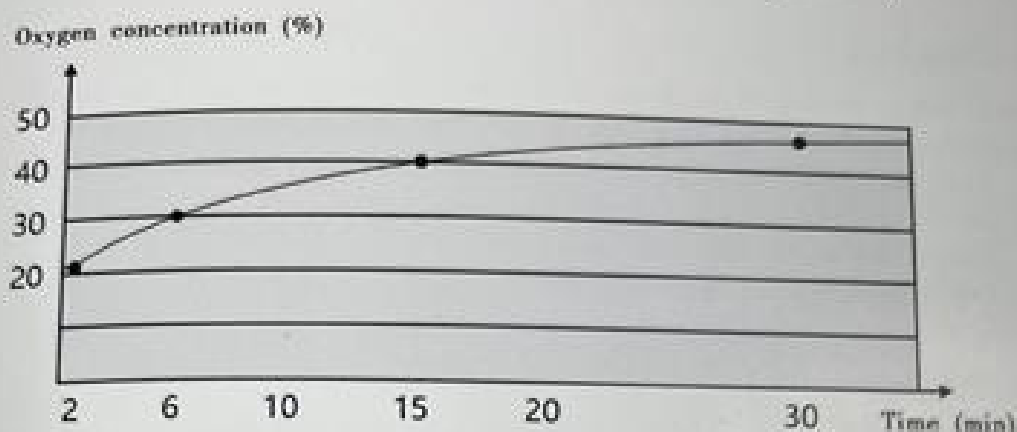
- Cat Oxygen Chamber is mainly composed of oxygen inhalation compartment, freezing compartment, compressor, molecular sieve adsorption tower, and automatic control module.
- Atomization hole: supporting atomization, infusion, and routing; which is practical and convenient.
- Built-in freezing compartment: supporting storage of ice bags to cool down quickly, allowing a cool and comfortable summer.
- Special heating pad: supporting two-gear adjustment to heat mildly, making winter as warm as spring.
- Automatic door opener (optional): supporting automatic door opening at the end of the set working time during home-based oxygenation therapy, allowing cats to come in and out freely without being looking after.

4. Principle of oxygen generation

- Powered by ~ 110V and ~ 220V power supply and with air as the raw material, this machine adopts high quality molecular sieve to generate oxygen conforming to oxygen-rich standard through variable pressure swing adsorption separation method (PSA method) at room temperature.

5. Technical indicators

1. Oxygen concentration: $\geq 35\%$ (V/V)
2. Oxygen flow: 2L/min
3. Function diagram of oxygen concentration and oxygen flow (see the figure below)



4. Cabin temperature display error: $\pm 2^{\circ}\text{C}$
5. Operating noise: $\leq 60\text{dB (A)}$
6. Power supply: AC220V/0.75A $\pm 10\%$ and AC110V/1A $\pm 10\%$
7. Net weight: 14.5kg
8. Overall size: 624mm(L)*426mm(W)*453mm(H)
9. Bar Inside size: 326mm(L)*414mm(W)*358mm(H)
10. Altitude: sea level - 1828m: no reduction in oxygen concentration; 1828m - 4000m: efficiency below 90%
11. Electrical classification: Class II
12. Operating system: continuous operation
13. Operating environment.
 - Ambient temperature range: 5-30 $^{\circ}\text{C}$
 - Relative humidity range: $\leq 85\%$
 - Atmospheric pressure: 86.0kpa-106.0kpa

*Note: When the storage and transportation temperature is lower than 5 $^{\circ}\text{C}$, please place the equipment in a normal working temperature environment for more than four hours before use.
14. Storage and transportation environment
 - Ambient temperature range: -10 $^{\circ}\text{C}$ -55 $^{\circ}\text{C}$
 - Relative storage humidity: $\leq 85\%$
 - Atmospheric pressure range: 700hpa-1060hpa

*Note: The pet oxygen chamber should be stored in a well ventilated room without strong sunlight or corrosive gases. Violent shocks and inversion shall be avoided when transporting.

Handling

1. Unpacking

***Note:** Unless the oxygen chamber is to be used immediately, the carton and packaging material must be kept before the machine is used.

- Before unpacking, check if the carton or other packaging has any obvious damage. If there is any damage, inform the transporter promptly.
- Remove all loose packaging from the carton.
- Carefully remove all components from the carton.

2. Checking

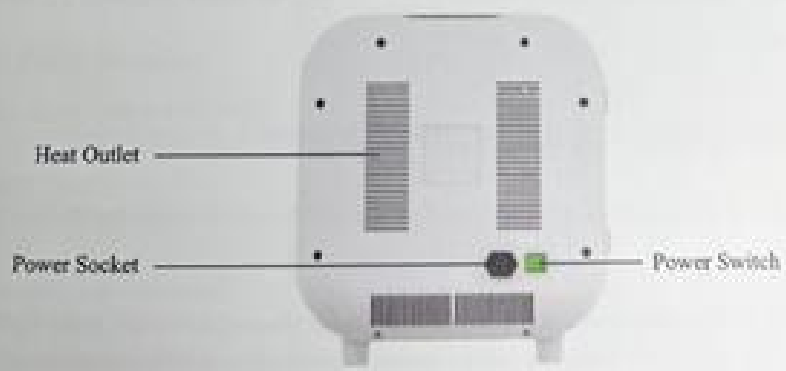
- Check whether the outer surface of the oxygen chamber has such damages as notches, dents or scratches.
- Check all components.

3. Storage

- Store the repackaged oxygen chamber in a dry place.
- Do not place any objects on top of the oxygen chamber.

Installation and Use

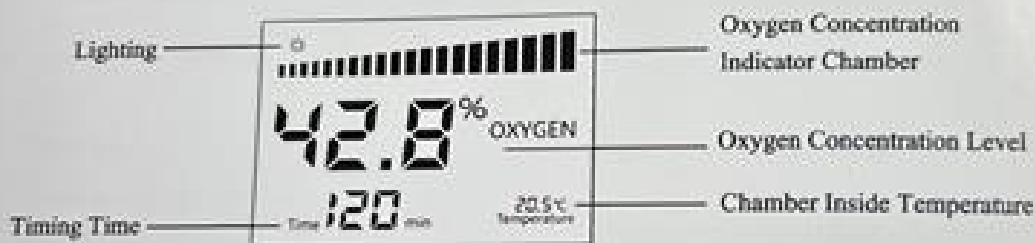
1. Scheme of the components and their functions



2. Control panel




3. LCD display description



4. Use and operation

Please press the power switch on the back of the machine, set the desired operating

time  and press the ON/OFF button  to start the oxygen generation and supply immediately.

The lighting button  is used to turn on/off the lighting in the oxygen chamber.

5. Time setting

Before starting the machine, please press the Timing button to set the time. The time increment is 15 minutes for each time, and the maximum setting time is 120 minutes.

6. Atomization operation (atomization equipment shall be purchased separately.)

One atomization hole is arranged on each side of the machine, which is compatible with the atomizing cup connector of common commercial atomizers. Remove the plug from the atomization hole on one side of the machine and insert the atomizer cup outlet to operate and use it.

Note: During atomization operation, the oxygen concentration inside the cabin will drop because the oxygen percentage is diluted by the air brought in by the atomizer from outside of the cabin, which is normal. When not in use, please make sure to plug the atomization hole plug back to its original position.

7. Guidance on using the freezing compartment

It is recommended to turn on the air conditioner indoors to lower the ambient temperature in hot summers. The freezing compartment is recommended when the ambient temperature is higher than 28°C. First, take out the pre-frozen ice bag (preferably 50ml or 100ml) from the freezer, then place the ice bag in the freezer compartment, and finally cover the bottom plate.

8. Guidance on using the special heating pad

Special heating pads are recommended for post-operative or newborn pets to keep warm, and for oxygenated pets when the ambient temperature is too low. First, put the power cord of the heating pad through the atomization hole, and then connect it to the power supply.

9. Guidance on using the automatic door opener (optional)

Users may install the automatic door opener by themselves according to the manufacturer's guide video. The door will be opened automatically at the end of the set working time. In the event that manual opening is needed under special circumstances, just unplug the signal line on the automatic door opener, and the automatic door opening function will fail.

10. Fault detection

1. The display screen is not bright

- ① Please press the power switch at the back of the machine and check whether the power plug is plugged properly.
- ② Power off and replace the fuse at the back of the machine after unplugging the power plug.


2. Low oxygen concentration

- ① The working time is not long enough, which should be greater than 10min.
- ② The oxygen bar cabin door is not closed tightly.
- ③ The sealing plugs on the left and right sides are not fitted in place.

11. Shutdown

At the end of use, turn off the power switch, unplug the power plug, and disconnect the power.

Maintenance and Service

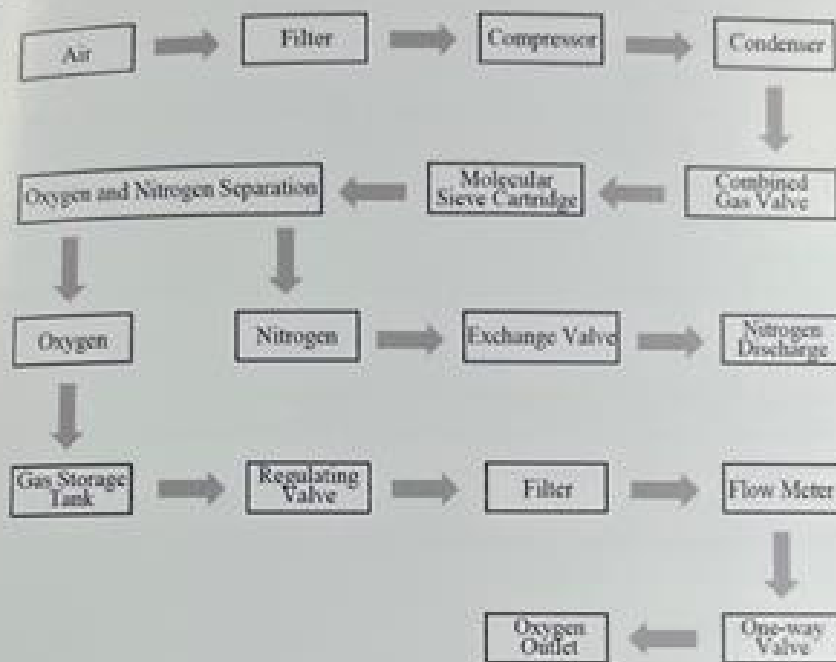
 **Warning:** Before maintaining the oxygen bar, first disconnect the power supply to avoid electric shock. Do not remove the housing.

1. Housing cleaning

- Clean the exterior of the housing at least once a month: first disconnect the power supply and wipe the housing with a clean, soft, slightly damp cotton cloth or sponge, without letting any liquid seep into the gaps of the housing.

Other Notes

1. Schematic diagram of gas circuit



2. Electrical schematic diagram

