HEAOCEAN®

# INSTRUCTIONS FOR USE

MILD HYPERBARIC OXYGEN CHAMBER

Quanzhou Heaocean Health Technology Co.,Ltd.

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# Introduction

## *Dear User:*

*Thank you for purchasing the Mild Hyperbaric Oxygen Chamber (hereinafter referred to as "the product") .Constructed from polyurethane composite fiber material,this chamber operates with pressurized clean air filtered through multiple layers,maintaining an internal pressure of 1.2-1.4 atmospheres. Featuring user-friendly operation, safety,and portability, it isdesigned for easy folding and transport. The product is widely applicable in households, schools,businesses, sports venues, beauty salons, wellness centers, and high-altitude environments.*

*This manual describes the installation method, operation steps, precautions, and maintenance of the product. Please read this manual carefully before operation to ensure safe operation and maximize the performance of the machine.*

*Part or all of the contents of this manual are prohibited from being reproduced without authorization.Any changes made to the equipment for the purpose of improvement are not notified separately.*

*This manual is prepared in detail. If there are any questions, errors, omissions or other problems Contact the manufacturer.*

# Symbol

The following is a detailed description of oxygen generator and oxygen chamber symbols

| Symbol | Description | Symbol | Description |
|---|---|---|---|
| | Class II devices | | Rainproof |
| | Disconnect (used only for part of the device) | | No Ignition |
| | Check for random files | | No Smoking |
| | Disconnect (Power) | | Do not use sharp objects |
| | Handle fragile items carefully | | Stacking layer limit |
| | Upward | | Indoor air pressure valve/ external air valve indicator |
| | Alternating curent (AC) | | Turn on (used only for part of the device) |
| | Power on | SN | Serial number |
| | Process separately | | Date of manufacture |
| | Manufacturer | | Rotate adjustment |

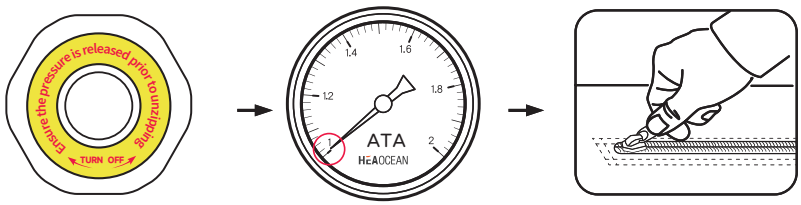
# Security Notes

## • Pay attention to ：

1. When the chamber’s pressure rises and falls, the ear will have a sense of compression, just like the feeling of the plane when it rises and falls. This is normal. You can use the following methods to adjust;

A. Swallowing Saliva; B. Chewing Gum; C. Yawning, the Discomfort Will Gradually Disappear When the chamber Pressure Stabilizes;In addition, slightly open the manual decompression valve to slow down the lifting speed, and then close it after the lifting is over.

2. Before exiting the chamber, make sure the pressure gauge reads 1ATA (when the chamber is noticeably soft) before opening the zipper.(this is a key point and must be followed)




Rotate the manual pressure

reducing valve until the pressure gauge reads 1ATA

unzip

3. After exiting the chamber, turn off the power supply and clean up the product after use.

## • Caution

1. This machine cannot be used to sustain any life.

2. If the user has or shows adverse reactions, stop using the machine immediately and contact the doctor and the equipment supplier.

3. Because oxygen will help combustion, if not used, the power of the machine should be turned off.

4. If you notice any unusual odor during use, please unplug the power supply and ensure the plug is fully inserted into the socket.

5. Do not disassemble the machine without the supplier's permission. Keep this product away from water, fire, and sharp objects. Do not smoke or use open flames near the oxygen generator and oxygen chamber.

6. Children must be under the care of adults.

7. Do not touch any valves on the chamber during use. Do not place heavy objects on the machine.

8. Do not use if the wire is loose or damaged. Do not pull or twist the power cord.

9. Do not touch power plugs and switches with wet hands. Do not use in bathrooms or other humid environments.

10. Before wiping the oxygen machine shell, you must unplug the power plug to avoid electric shock.

11. If there is quality problem, the customer shall not disassemble and repair it privately.If there is abnormal phenomenon such as alarm, the customer shall contact the dealer or manufacturer.

12. This product contains small parts. Please keep it safe to prevent children from swallowing it.

# People who are not suitable for oxygen chamber use

## • Absolute contraindications

① Untreated pneumothorax & mediastinal emphysema

② Active internal bleeding and hemorrhagic diseases

③ History of oxygen toxicity

④ Tuberculous cavity formation and hemoptysis

## • Avoid using the following people

① People with claustrophobia

② People with Eustachian tube pressure imbalance

③ Infants and children

④ Common cold, fever (body temperature>38.5°C)

## • Relative contraindications

① Severe upper respiratory infection

② Severe pulmonary edema/pulmonary bullae/ bronchiectasis

③ Severe sinusitis

④ Hypercapnia

⑤ II° or higher cardiac conduction block

⑥ Cerebral angioma, malformation

⑦ Epilepsy

⑧ Gravida

⑨ Untreated malignancies

⑩ Ablatio retinae

⑪ Pseudohypertrophic atrioventricular block

⑫ Bradycardia (less than 50 beats per minute)

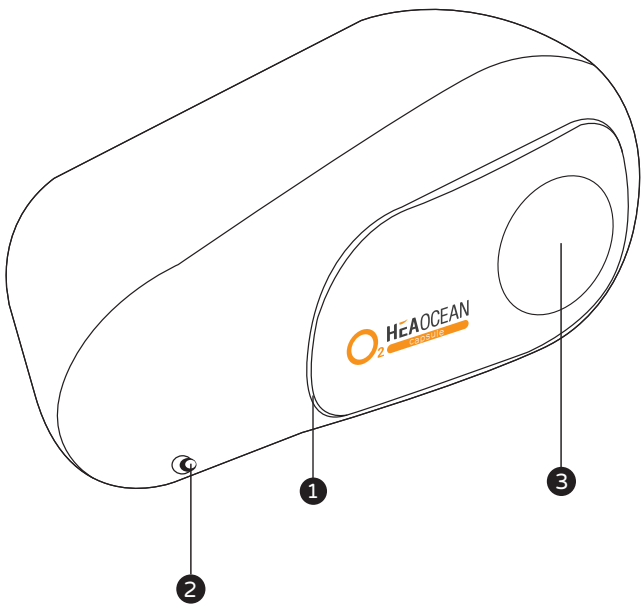
⑬ Suppurative otitis media (tympanic membranecyst perforation)

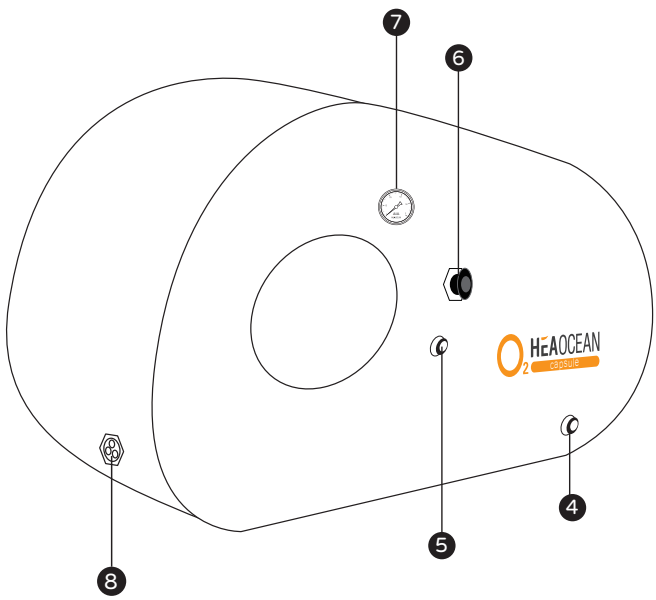
⑭ Eustachian tube obstruction

⑮ High blood pressure (above 160/100mmHg)

# Product Specifications and Structure

## Sitting & Lying Oxygen Chamber

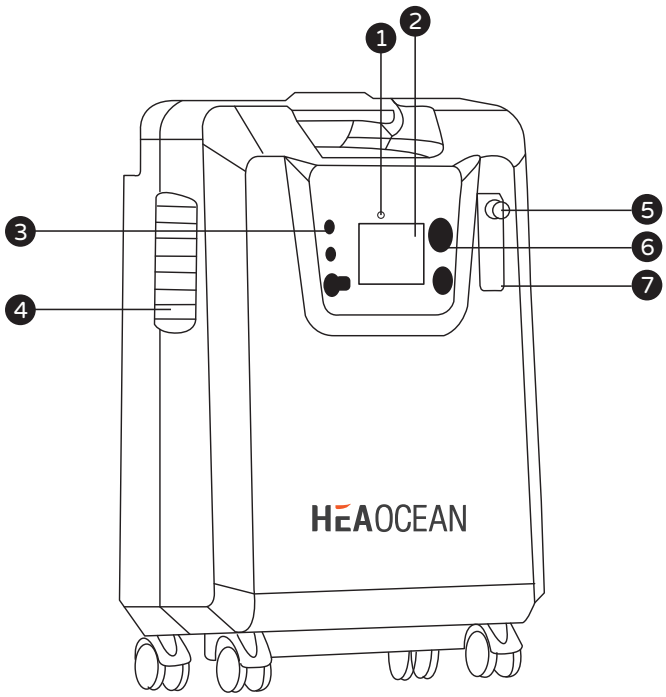


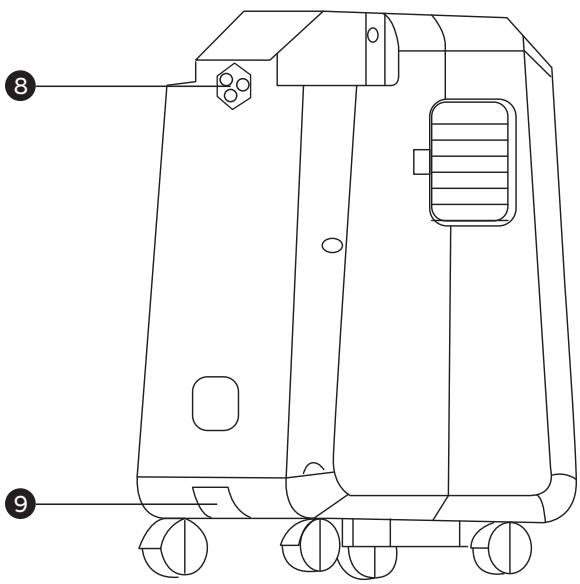




| | |
|---|---|
| ① | Zip fastener |
| ② | Automatic pressure relief valve |
| ③ | Transparency window |
| ④ | Service valve |
| ⑤ | Internal pressure gauge |
| ⑥ | External gauge |
| ⑦ | Manual pressure relief valve |

# Product Specifications and Structure

Oxygenerator

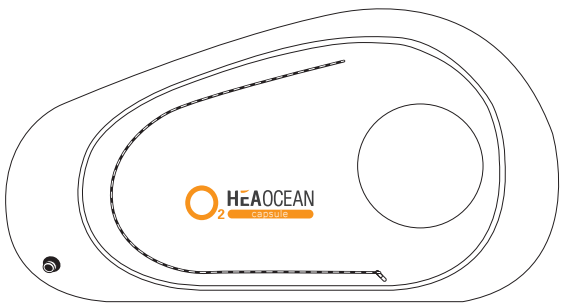



| | |
|---|---|
| ① | Pilot lamp |
| ② | LCD screen |
| ③ | Timer |
| ④ | Air intake filter |
| ⑤ | Flow meter switch button |
| ⑥ | Mains switch |
| ⑦ | Flow meter |
| ⑧ | Quick connect outlet |
| ⑨ | Power line |

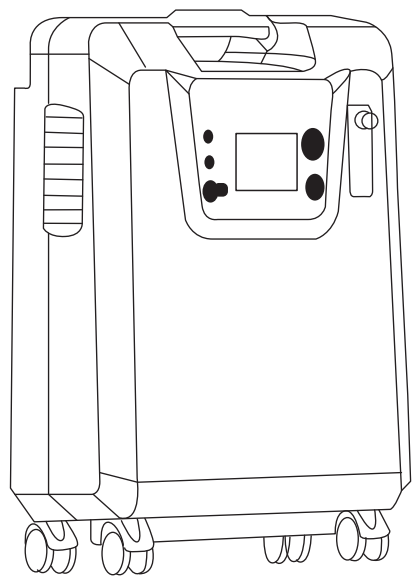
# Product Specifications and Structure

Sitting & lying Soft Mild Hyperbaric Oxygen Chamber

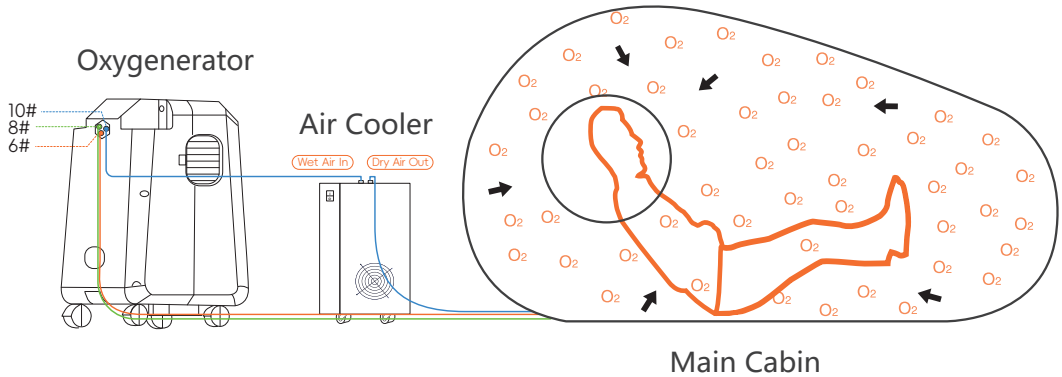


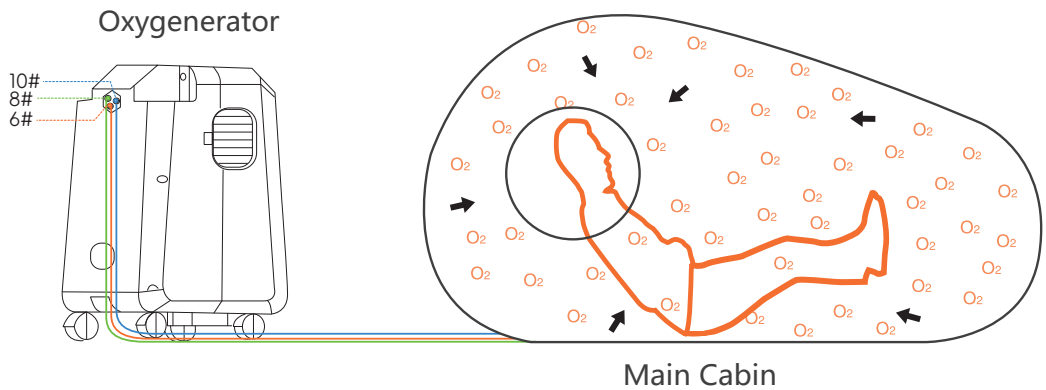

| Model | Product Parameter |
|---|---|
| YCDR-HC050 Sitting & lying Soft Mild Hyperbaric Oxygen Chamber | Work pressure: 1.3ATA |
| | Material： TPU |
| | Size：200*65*120cm (L*W*H) |
| | Capacity: 1 person |
| | Oxygen production: 5L/min |
| | Oxygen concentration: 93%±3% |

| Model | Product Parameter |
|---|---|
| NY-5+60FV-1.4 Oxygen Generator | Voltage: 220V 50Hz |
| | Oxygen supply: Outlet 0-5L/min, concentration 93%±3% |
| | Pressurization: Air supply at 120L/min for the first 6 minutes; after 6 minutes, switch to comp -ressed air & oxygen mixture (60L/min compressed air+5L/min oxygen) at 0.14MPa pressure. |
| | Power: 710w |
| | Alarm: Power outage alarm, high/low voltage alarm, low oxygen concentration alarm |



# Product Assembly and Operaton

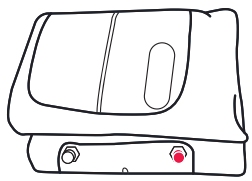
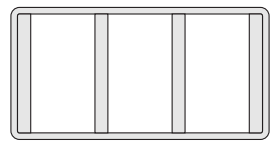
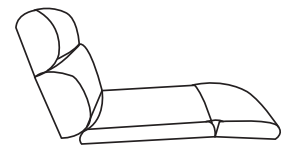
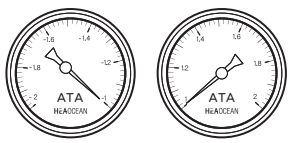
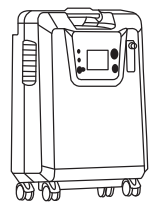
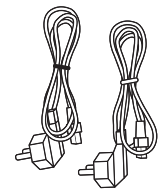
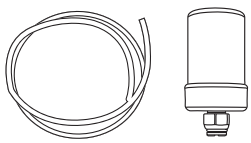
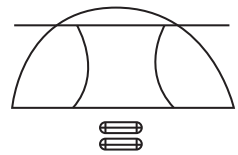
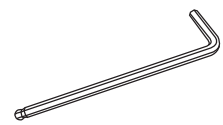


# Product Assembly and Operaton

## Installation

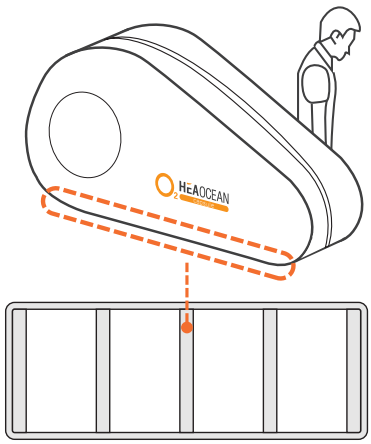
Check the assembly list before installation. Do you have the following accessories?

| | | |
|---|---|---|
|  Chamber |  Base Plate |  Electric Folding Chair |
|   Internal /external pressure gauge |  Oxy generator |  Power Cord |
|  Air hose/Muffler |  Interal metal frame |  Spanner |

# Product Assembly and Operaton

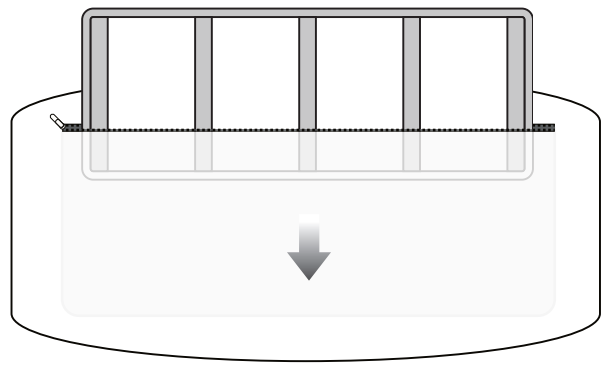
## 1. Install Base Plate

Unzip the bottom of the oxygen cabin and install the base plate.




Place the base plate with its back side facing the direction shown in the figure.

Base plate installation

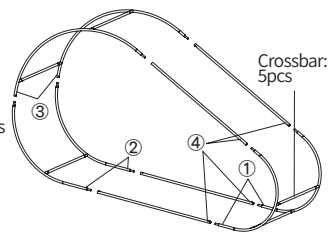


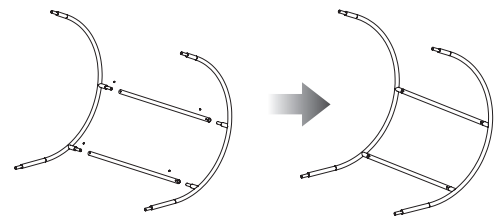
Place the zipper guard strip outside the base plate before zipping up the zipper

## 2. Diagram of the internal framework installation for Sitting & Lying Chamber

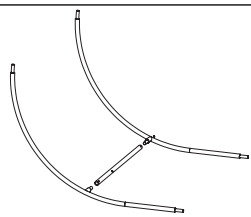
**Framework list:**

1. Tube NO.① red & black each 1pc
2. Tube NO.② red & black each 1pc
3. Tube NO.③ red & black each 1pc
4. Tube NO.④ red & black each 2pcs
5. Crossbar : 5pcs
6. Screw M5*5 : 22pcs
7. 2.5mm internal hex wrench: 1pc

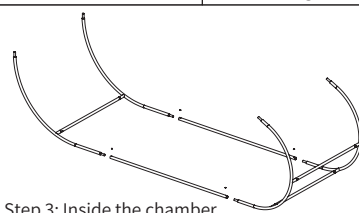


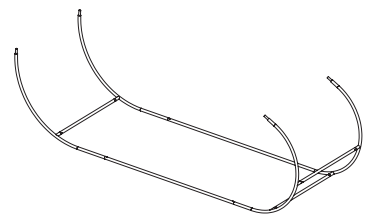
Step 1: Connect the ① red-black pipe fitting to the crossbar and tighten the lock screw.

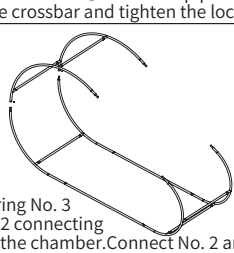


Step 2: Connect the ② red-black pipe fitting to the crossbar and tighten the lock screw

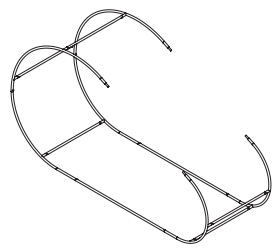


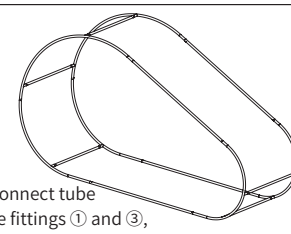
Step 3: Inside the chamber, connect pipe fittings ① and ② to pipe fitting ④, and tighten the screws.





Step 4: Bring No. 3 tube and 2 connecting rods into the chamber.Connect No. 2 and No. 3 tubes and the crossbar, and tighten the screws

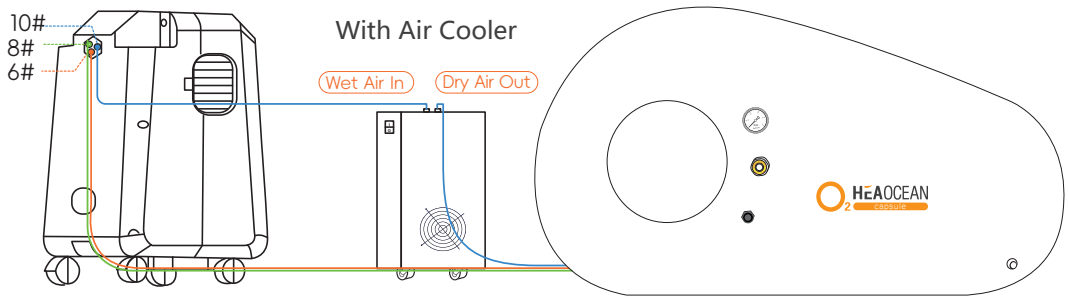


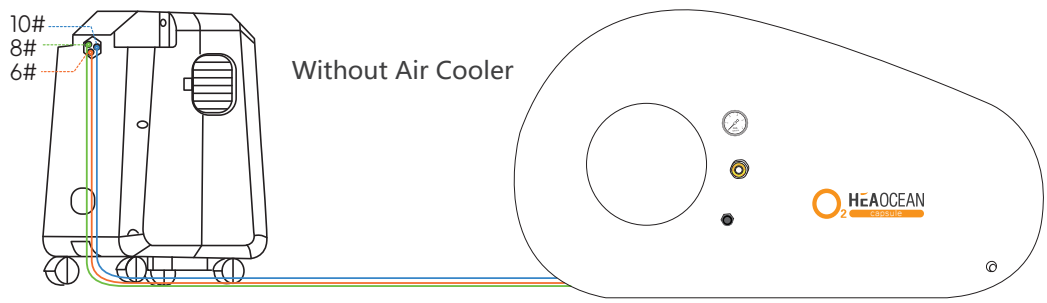


Step 5: Connect tube ④ to pipe fittings ① and ③, and tighten the screws.

## 3. Three air hoses are connected with port sizes: 10#, 8# and 6#

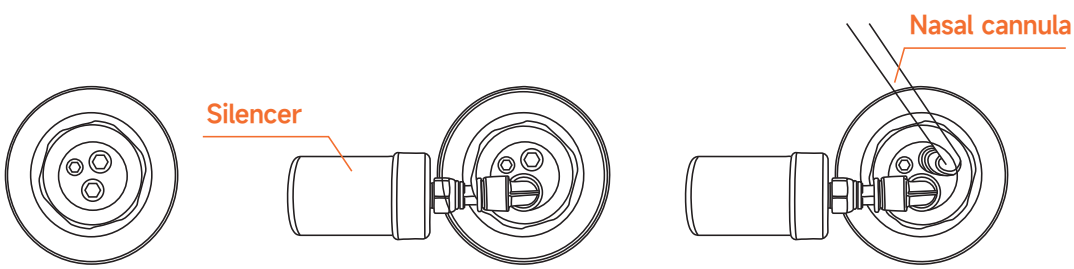
Connection method is shown in the figure below:



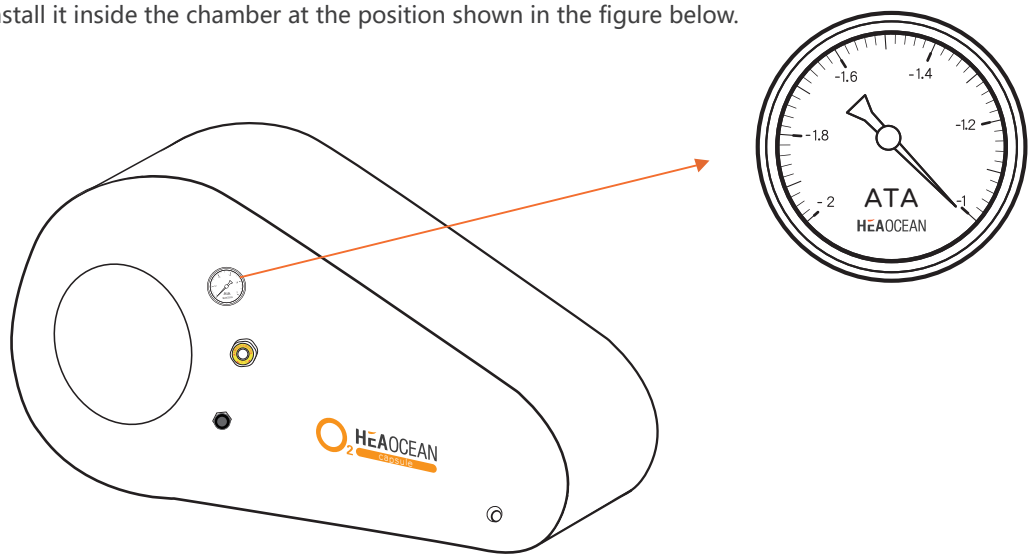

## 4. Muffler installation

After the external air tube is properly connected, turn on the power switch of the oxygen concentrator and enter the chamber to install the silencer at the air inlet (where the air volume is larger). If there is a oxygen inhalation headset to be used, install the tower connector at the other interface and connect oxygen inhalation headset.

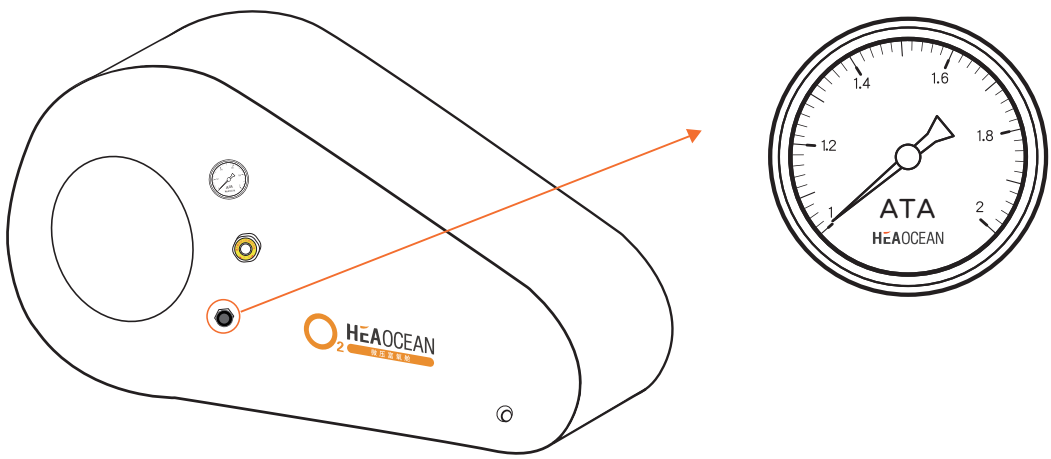


## 5. Installation of internal and external pressure gauges

**Inner pressure gauge:**
Install it inside the chamber at the position shown in the figure below.

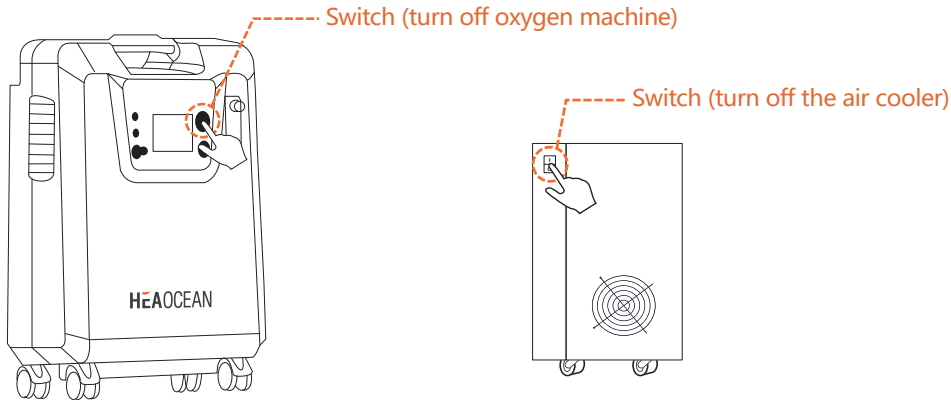



**External gauge:**
Please install it outside the housing.Identification features are as follows:

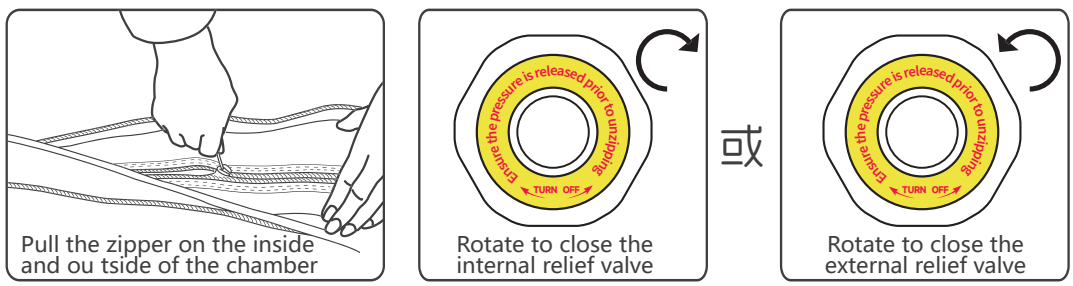


# How to use

① Turn on the machine




② Enter the chamber: Zip up both inner and outer zippers， then close the manual pressure relief valve to ensure the silicone strip between the zippers is fully flattened.

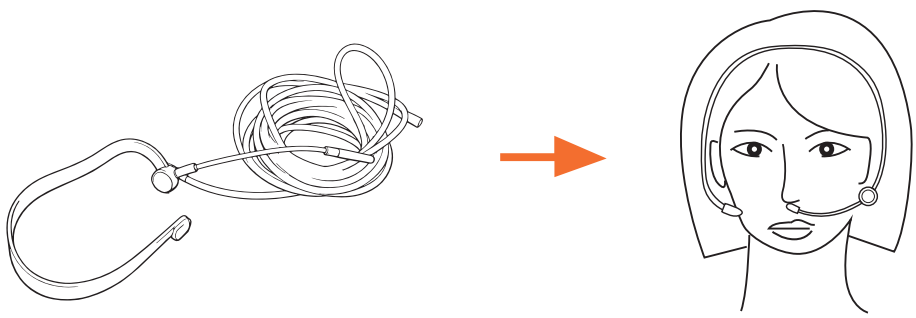



Pull the zipper on the inside and ou tside of the chamber

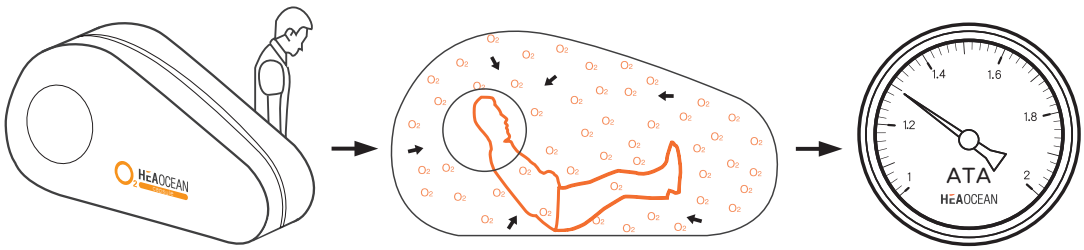
Rotate to close the internal relief valve

Rotate to close the external relief valve

③ Lie down and put on the oxygen cannula or nasal headset.

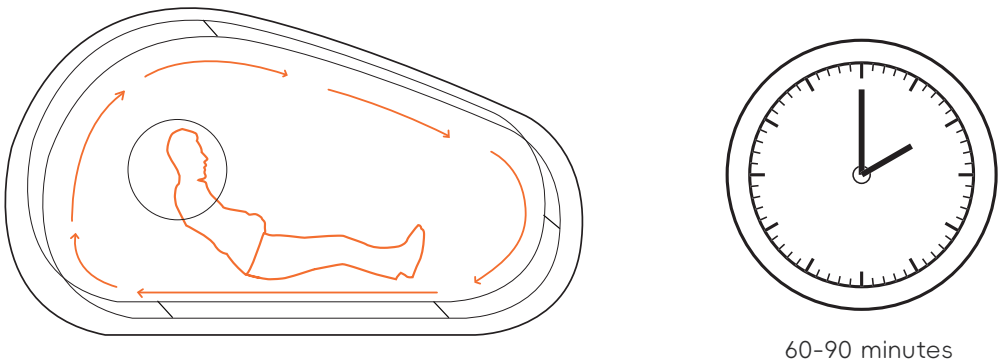


④ After the machine is started, enter the chamber. After about 6 minutes, the chamber pressure will slowly rise to 1.3ATA, and the automatic pressure relief valve will automatically discharge the air.



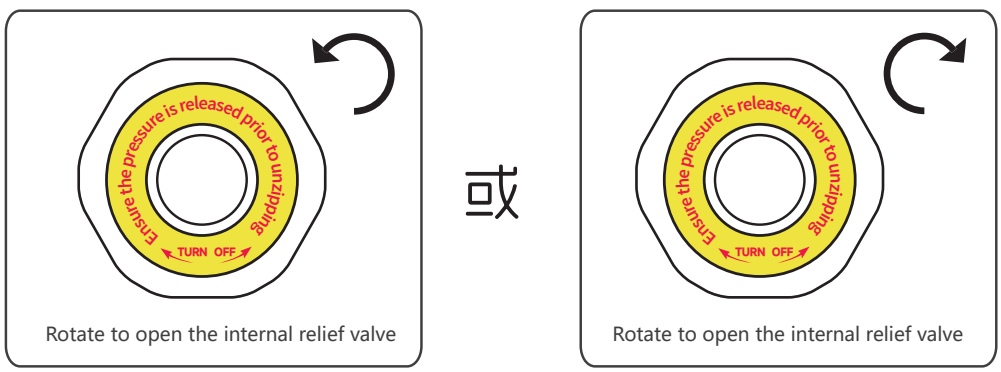

Pressure gauge error tolerance ±0.03ATA

⑤ The recommended time is 60 to 90 minutes.



60-90 minutes

⑥ Before exiting the chamber, open the manual pressure relief valve to reduce pressure (as shown in the figure below).

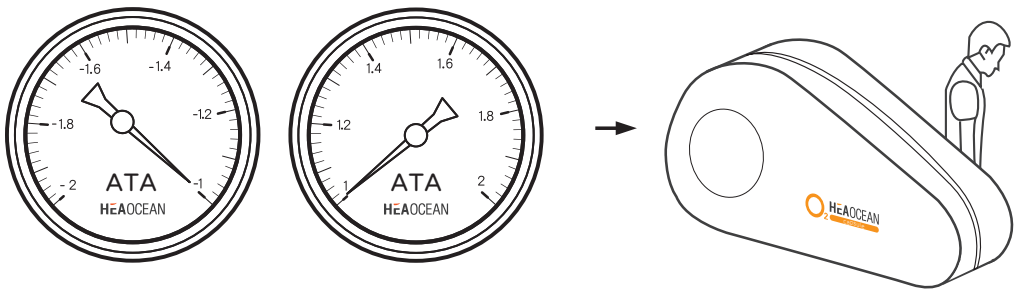



Rotate to open the internal relief valve

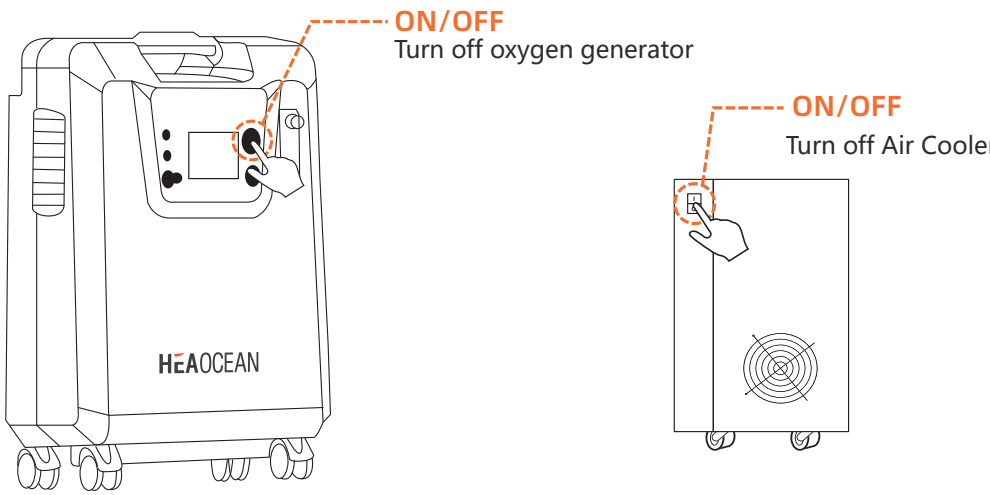
Rotate to open the internal relief valve

⑦ When the pressure gauge reads 1 ATA (the cabin visibly deflates), unzip the inner and outer zippers in sequence and exit the cabin. Zippers can be operated from either inside or outside.

Note: Do not force open the zippers if the pressure gauge fails to reach 1 ATA.




⑧ After exiting the cabin, shut down the oxygen generator and Air Cooler.



# Precautions When Using

When using the device for the first time, perform a no-load test to check if it operates normally. If the device does not work properly, do not use it and contact your salesperson immediately.

To exit the chamber, wait until the pressure gauge reads 1ATA before opening the inner and outer zippers. Never force them open during the journey or before the pressure is fully released.

In an emergency or when the oxygen concentrator fails, open the manual pressure relief valve internally to release pressure. When the pressure reaches 1ATA, open the zipper and exit the oxygen chamber.

When using this oxygen chamber for the first time, you may experience mild ear discomfort or pain. This is a normal phenomenon caused by increased pressure. You can improve the discomfort by chewing or swallowing, and this phenomenon will gradually disap -pear after several uses.

The two automatic constant pressure valves in the chamber must be kept away from the wall and not close to the wall to avoid blocking the automatic constant pressure.At the same time, pay attention to whether there is anything else blocking.

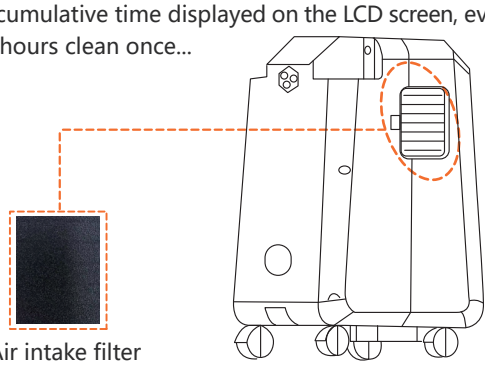
# Maintenance and Care

**1. Chamber maintenance and cleaning:**

**Clean the chamber regularly:** wipe with deodorizing and sterilizing spray or diluted medical alcohol and dry it, wipe the transparent window with clean water,start the machine and run the chamber for 20 minutes.

**2. Oxygen machine maintenance and cleaning**

Regular replacement of intake filters is crucial for prote -cting the compres- sor and molecular sieve while exte -nding the oxygen generator's lifespan. Cleaning the in -take filter is a key part of daily maintenance. (Based on the cumulative time displayed on the LCD screen, every 200 hours clean once...

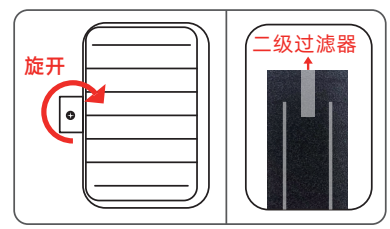


Air intake filter

**Specific method:** Take off the filter on both sides of the machine box, replace the new filter or clean it with detergent, and rinse it thoroughly with clean water. Screw off the excess water, dry it naturally in the air, and then install it in the original place to continue to use.

## How to replace the secondary filter:

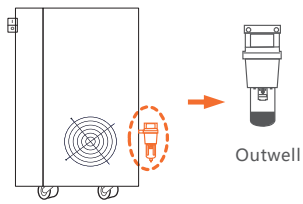
Replace the secondary filter every 2000 hours based on the cumulative time displayed on the LCD screen. Specific method: Take off the air intake filter, slowly rotate the secondary filter and pull it out, and reinsert the new one.



# Maintenance and Care Instructions

## Function and maintenance of air cooler

The air output by the oxygen generator is condensed, dried and cooled by the dry cooler before entering the chamber, which can reduce the humidity of the clean air and the temperature of the gas entering the chamber, creating a more comfortable environment for use.




**Periodic:** Drain promptly after use

**maintenance Drainage method:** To drain, rotate the drain cup clockwise to remove it, pour out the water, and rotate it counter -clockwise to reinsert the cup.

## Frequently Asked Questions

**Q** What are the recommended frequency and duration for using the mild Hyperbaric oxygen chamber?

A: Once a day, 60-90 minutes, no time limit.

**Q** Is it hot in the chamber?

A: The standard chamber temperature is 3-5℃ higher than room temperature, with humidity 20% higher than indoor levels. It's more comfortable to use in spring, autumn, and winter. For summer use, we recommend setting the chamber temperature to 20℃.

**Q** What preparations are required before use?

A: ① To ensure chamber comfort, it is recommended to use in a room at 20℃.
② Empty your bowels before entering the oxygen chamber.
③ Take off your shirt, tie, glasses, etc., and put on comfortable cotton clothes.

**Q** What are the sensations when using a mild Hyperbaric oxygen-enriched chamber? Are there any side effects?

A:When the chamber is pressurized, you'll feel pressure changes in the chamber. To balance the pressure and avoid ear discomfort, you should adapt by chewing (gum or food), swallowing, or yaw -ning. During the pressurization process, your mouth may feel dry. After pressurization is complete, your saliva production will return to normal. The most common side effect is ear discomfort caused by pressure changes. To minimize risks, patients should learn to thoroughly empty their ears during the pressurization process.

# Troubleshooting

If your oxygen concentrator or chamber is not working properly, refer to the troubleshooting table on the following pages for possible causes and solutions. If the problem still cannot be resolved, contact the seller.

| Fault phenomenon | Analysis of causes | Exclusion Method |
|---|---|---|
| No operation after power on | • The oxygen generator circuit is not connected to the power supply<br>• The oxygen compressor cont -ainer is damaged<br>• Compressor failure | • Check the switch, plug, socket, and power cord for damage.<br>• Replace the starter capacitor.<br>• Replace the compressor |
| No oxygen or low oxygen output | • The internal oxygen hose is kin -ked and the air is not flowing smoothly<br>• The filter is clogged and the air intake is blocked.<br>• The humidification bottle cap is not properly closed and air is leaking | • Reconnect the oxygen hose<br>• Clean filter<br>• Remove the cap and screw it back on.<br>• After turning on the device, block the air outlet with your thumb. After about 5 seconds,the hu -midifier should emit a whistle.(Humidification bottle safety valve opened) |
| No exhaust noise | • The solenoid valve is not working<br>• The circuit board is not working | • Replace solenoid valve<br>• Replace the circuit board |
| Excessive exhaust noise | • The exhaust silencer connector is loose<br>• The exhaust silencer is damaged | • Reconnect the connector<br>• Replace muffler |
| Chamber pressuriza -tion is slow | • The oxygen generator's intake port connector is loose and broken.<br>• The air filter is full of dust. The oxyg -en machine's air inlet is blocked.<br>• The compressor screw is loose<br>• The air vent valve is not closed | • Ensure no cracks or loose parts, reinstall the joint .<br>• Replace the filter or clean the filter<br>• Clean the air intake of the oxygen machine .<br>• Tighten the oxygen machine screw<br>• Tighten the vent valve |
| The pressure is not at or above the appropri -ate kPa value | • No zipper<br>• The vent valve is not closed or not tightened<br>• The air pipe is not plugged into the connector<br>• The silicone seal between the inner and outer zippers is uneven | • Depressurize the chamber, then close the zipper and restart. Ensure there are no obstacles in the valve hole, close the valve, and tighten it.<br>• Ensure the air hose is in the connector<br>• Ensure the silicone seal strip is flat or apply appro -priate pressure to the sealing area |
| Oxygen generators can be noisy or stron -gly vibrating | • Air filter is clogged<br>• The compressor intake is blocked and the intake is not smooth<br>• The compressor screw is loose | • Change filter<br>• Clean the air intake of the oxygen machine<br>• Reconnect the air tube to the oxygen generator |
| The chamber is not fully inflated | • The air pipe may be loose or leaking<br>• The vent valve may not be closed or tightened<br>• The oxygen generator has air leakage | • Locate the leak source and ensure the air pipe is at the joint<br>• Close the valve and tighten it<br>• Reconnect the air hose to the oxygen generator |

# Quality Assurance

One year warranty,  lifetime maintenance

# Warranty Card

## User information

Customer name : _____ Mail box : _____

User unit : _____ Landline telephone: _____

Customer address: _____ Mobile telephone: _____

## Product information

Product model : _____ Purchase date _____

Product origin: _____ Factory date: _____

Product serial number: _____ Warranty period: _____

## Product Warranty Records

| Warranty Records | Fault description | Warranty Description | Warranty signature |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

# Safety Acknowledgment

HEAOCEAN Mild Hyperbaric Oxygen Chamber, Sit-and-Lie HC050

## 1. About this product

This chamber is a wellness and relaxation product. It is not a medical device and is not intended to diagnose, treat, cure, or prevent any disease. It cannot be used to sustain life.

## 2. Operating limits

- Standard working pressure is 1.3 ATA. Do not adjust pressure settings or modify the equipment without authorization from the supplier.
- The recommended duration for a single session is 60 to 90 minutes, once a day.
- Before leaving the chamber, open the manual pressure relief valve and wait until the gauge reads 1 ATA. Never force the zippers open.
- Do not bring metal jewelry or flammable items into the chamber. No smoking or open flames near the chamber or oxygen generator. Avoid use on an empty or very full stomach.

## 3. Do not use the chamber if any of these apply

Absolute contraindications: untreated pneumothorax or mediastinal emphysema; active internal bleeding or hemorrhagic disease; history of oxygen toxicity; tuberculous cavity formation or hemoptysis.

Relative contraindications: severe upper respiratory infection; severe pulmonary edema, pulmonary bullae, or bronchiectasis; severe sinusitis; hypercapnia; second-degree or higher cardiac conduction block; sick sinus syndrome; heart rate below 50 beats per minute; cerebral aneurysm or vascular malformation; epilepsy; pregnancy; untreated malignant tumor; retinal detachment; suppurative otitis media with tympanic membrane perforation; Eustachian tube obstruction or inability to equalize ear pressure; blood pressure above 160/100 mmHg; cold or fever above 38.5 C.

Not suitable for infants and children, or for people with claustrophobia. Children must always be supervised by an adult.

## 4. Before first use

If you have any health condition or are unsure whether the chamber is suitable for you, consult a qualified physician first. A blood pressure and heart rate check before first use is recommended. Read the full manual before operating the product.

## 5. User acknowledgment

I have read this manual and the safety notes. I have confirmed that none of the conditions in Section 3 apply to me or to the person who will use the chamber. I understand the operating limits in Section 2 and will use the product according to this manual.

| | |
|---|---|
| User name | Signature |
| Date | Serial number |

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