

# User's Guide



**Hyperbaric chamber**

**Instruction Manual**

Please read this instruction manual carefully before using the product and keep it in a safe place

## Product Overview

Thank you for choosing the Soft Shell Oxygen Chamber (“the product”). The chamber is constructed from environmentally friendly polyurethane composite materials and is pressurised using clean air that passes through a multi-stage filtration system. It operates at an internal pressure of 1.2 to 1.3 ATA (approximately 20–30 kPa). Designed with both performance and practicality in mind, the chamber is foldable for portability, easy to operate, and built to meet high standards of safety and reliability. It is suitable for a wide range of settings, including private homes, community and wellness centres, sports facilities, physiotherapy clinics, marine environments, and high-altitude locations.

## Precautions

If you notice any unusual odour during use, switch off the unit immediately and disconnect it from the power supply. Ensure the power plug is fully and securely inserted into the socket at all times. Do not attempt to disassemble or modify the machine. Keep the unit away from water and heat or flame sources.

Children must only use the chamber under adult supervision. Do not adjust or handle any valves on the chamber unless instructed. Avoid placing heavy objects on the unit. Do not operate the device if cables are loose or damaged. Do not pull, twist, or strain the power cord. Never handle the power plug or switch with wet hands, and do not use the unit in bathrooms or other damp environments.

## Contraindicated groups

This product is not recommended for use by the following individuals:

- Pregnant women, or individuals with infectious diseases or serious medical conditions
- Individuals under the influence of alcohol, those with severe colds, or those with chest-related conditions
- Individuals with pacemakers or implanted electronic devices
- Those experiencing rhinitis or otitis media (ear infections)
- Individuals with uncontrolled hypertension (above 160/100 mmHg)
- Patients with severe emphysema

If unsure, use should only proceed under guidance from a qualified healthcare professional.

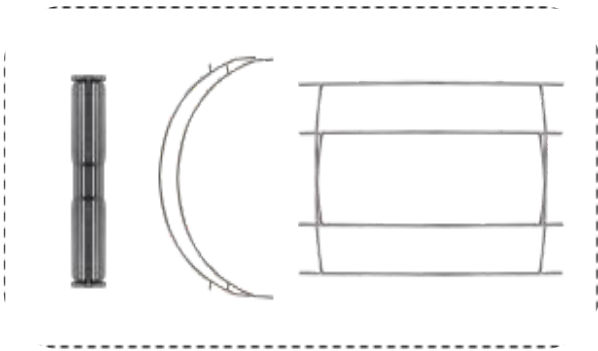
# PRODUCT COMPOSITION



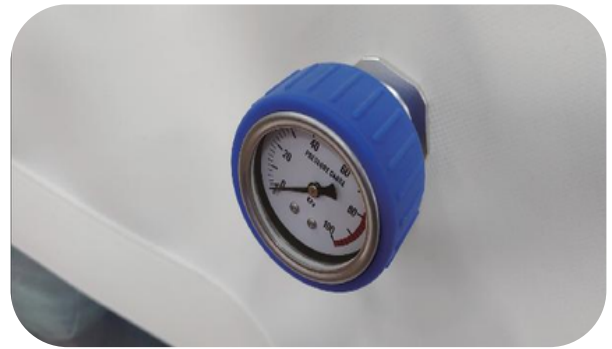
- |                            |                                    |                |
|----------------------------|------------------------------------|----------------|
| 1. External pressure gauge | 6. Emergency pressure relief valve | 11. Flowmeter  |
| 2. Zipper                  | 7. Constant pressure valve         | 12. Water cup  |
| 3. Window                  | 8. Pressure regulating valve       | 13. Air filter |
| 4. Anti-rotation           | 9. Oxygen input port               |                |
| 5. Pressure relief valve   | 10. Air inlet                      |                |

<b>Chamber</b>	Pressure	1.5 ATA
	Material	TPU
	Size	2260 x 1100 x 1200 mm
	Weight	35kg
<b>Air Compressor</b>	Size	850 x 410 x 90 mm
	Features	All in one machine, integrating air compressor, oxygen concentrator and cooler
	Net weight	110kg
	Power	220v
	Oxygen	10l/min

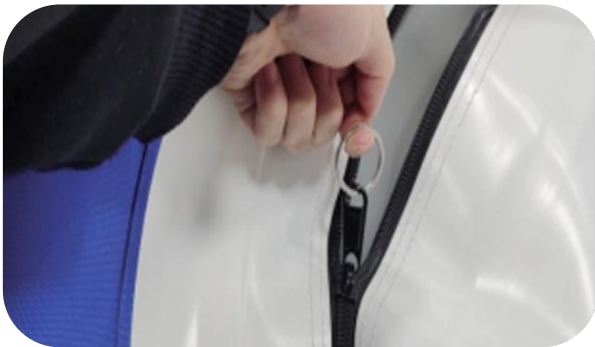
## PRODUCT ASSEMBLY AND OPERATION



1. Please install the bracket.



2. Install the pressure gauge with a blue ring on the outside.



3. Unzip



4. Please install the silencer from the inside. It must connect to the air inlet



5. Install the oxygen mask



6. Install the pressure gauge with a gray ring inside



7. Insert the Air pipe into the all-in-one machine



8. Insert the air pipe into the connection port of the cabin (black)



9. Insert the oxygen tube (Oxygen) into the all-in-one machine



10. Insert the oxygen tube (blue) into the cabin

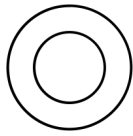


11. Plug in the power and turn on the device switch

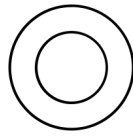


12. Press the function key

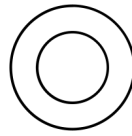
# OPERATION INSTRUCTIONS



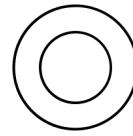
**ON/OFF**



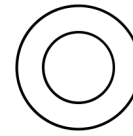
**O2**



**AirPurifer**



**Dehumidify**



**Refrigerate**

During pressurisation, some users may experience ear discomfort due to pressure on the eardrum.

This can usually be relieved by equalising the pressure—such as chewing (e.g. gum), swallowing repeatedly, or gently performing the Valsalva manoeuvre (pinching the nose and blowing lightly with the mouth closed).

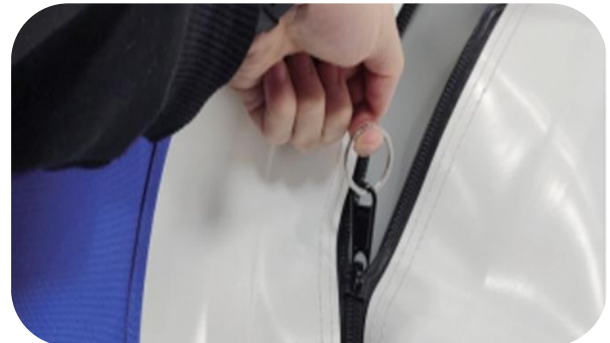
If the eustachian tube is blocked (for example, due to a cold or allergies) and pressure cannot be equalised, use should be discontinued.

Pressurisation can also be slowed by adjusting the internal vent pressure valve for a more gradual increase in pressure.

## Use of the cabin



1. Before use, ensure that the pressure is at a safe pressure of "0" ATA.



2. Unzip the cabin and zip it up.



3. Tighten the pressure relief valve and wait for the pressure to rise. Do not open the zipper under constant pressure. It is recommended to use it for 60-90mins.



4. After use, open the pressure relief valve and wait until the pressure drops to 0 before coming out.

### The use of manual pressure relief valves

When the chamber is being pressurised, the manual pressure relief valve should be fully tightened. During initial use, this valve can also be adjusted to help control the rate of pressurisation and overall pressure level, allowing the user to adapt comfortably. At the end of the session, depressurisation should be carried out gradually. To exit the chamber, slowly rotate and open the pressure relief valve in line with your comfort level. Pressurisation can also be moderated using the internal vent pressure valve to achieve a slower, more comfortable increase in pressure.

After use, open the vent valve to release pressure inside the chamber. The pressure will gradually decrease from approximately 40 kPa to 0 kPa over about 5 minutes. Once the pressure gauge reads 0 kPa, it is safe to open the zipper and switch off the machine.



### The use of emergency pressure relief valves

If you feel unwell during use, do not open the zipper immediately.

Instead, use the emergency pressure relief system. Press the designated “Push” button to rapidly release pressure within the chamber. Once the pressure has safely equalised, the zipper can then be opened.



## CHAMBER MAINTENANCE AND CLEANING



1. After each use, there will be a little water in the water cup, which is normal. Take it out counterclockwise to pour out the water or rotate the golden switch at the bottom of the bottle to remove it.



2. Remove the filter, remove the cap, take out the filter and then replace it with a new one. It is recommended to replace the activated carbon cotton filter every 6 to 12 months. (Depending on the frequency of use).



3. Use a flat-head screwdriver or rotate a coin counterclockwise to remove the fuse for replacement.

## TROUBLE SHOOTING

Issue	Possible Causes	Recommended Actions
Slow Cabin Pressurisation	<ul style="list-style-type: none"> <li>Air compressor connection or air inlet joint is loose, disconnected, or damaged</li> <li>Air filter is clogged with dust</li> <li>Air intake is blocked, restricting airflow</li> <li>Air compressor screws are loose</li> <li>Manual pressure relief valve is not fully tightened</li> </ul>	<ul style="list-style-type: none"> <li>Check all connections for blockages, damage, or loose parts, and reconnect securely</li> <li>Clean or replace the air filter as needed</li> <li>Ensure the air intake is clear and unobstructed</li> <li>Tighten any loose screws on the air compressor</li> <li>Confirm the manual pressure relief valve is fully tightened before use</li> </ul>
Abnormal Noise or Vibration	<ul style="list-style-type: none"> <li>Air filter is clogged or obstructed</li> <li>Air compressor intake is blocked, restricting airflow</li> <li>Air compressor screws are loose</li> </ul>	<ul style="list-style-type: none"> <li>Inspect the air filter and clean or replace it if necessary</li> <li>Ensure the air intake is clear and free from obstructions</li> <li>Tighten any loose screws on the air compressor to reduce vibration and noise</li> </ul>
Cabin Not Inflating	<ul style="list-style-type: none"> <li>Air hose is disconnected, resulting in air leakage</li> <li>Manual pressure relief valve is open or not fully tightened</li> <li>Air hose is damaged or leaking</li> </ul>	<ul style="list-style-type: none"> <li>Check all air hoses are securely connected and free from leaks or damage</li> <li>Ensure the manual pressure relief valve is fully closed and tightened before use</li> <li>Inspect hoses and replace if any leaks are found</li> <li>Check the air filter; clean or replace if necessary</li> <li>Ensure the air intake is clear and unobstructed</li> <li>Tighten any loose screws on the air compressor</li> </ul>
Pressure Not Increasing	<ul style="list-style-type: none"> <li>Chamber hatch is not fully closed or sealed</li> <li>Manual pressure relief valve is open or not properly tightened</li> <li>Air hose is not connected correctly</li> <li>Black sealing strip is misaligned or caught between the inner and outer chamber doors</li> </ul>	<ul style="list-style-type: none"> <li>Fully depressurise the chamber, then close and zip it securely before restarting</li> <li>Ensure the manual pressure relief valve is fully closed and tightened</li> <li>Check and reconnect the air hose correctly</li> <li>Confirm the black sealing strip is laid flat and properly positioned to maintain an airtight seal</li> </ul>



## **Warranty Statement**

This product is covered by a one-year warranty from the date of purchase. During the warranty period, products with manufacturing or quality defects may be repaired or replaced free of charge, provided a valid warranty card and proof of purchase are supplied.

The warranty does not apply under the following circumstances:

1. The warranty period has expired.
2. Damage caused by misuse, improper operation, or failure to follow the instructions in this manual.
3. Damage caused by exposure to radioactive, corrosive, or hazardous substances.
4. Unauthorised disassembly, repair, or modification of the unit without approval from qualified service personnel.

## **Service & Support**

For technical support, servicing, or general enquiries, please contact CellRegen:

- Phone: 1800 868 555
- Email: [info@cellregen.org](mailto:info@cellregen.org)
- Website: [www.cellregen.org](http://www.cellregen.org)

For service requests or maintenance bookings, please visit:

<https://www.cellregen.org/service-request>