



OXYHELP
INDUSTRY



Experience the benefits and powers of
OXYGEN AND PRESSURE

*Experience the innovation in Hyperbarics
throughout our intelligent technology*

BREATHE WISELY

OXYHELP INDUSTRY is a certified HBOT device manufacturer and international supplier of hard hyperbaric chambers and automated pressure systems, dedicated to champion the technology of Hyperbarics.

Oxylife Chambers

The OXYHELP premium chamber is a unique device (manufactured in the EU) with excellent functions. We use top quality components and have introduced a new high standard in our field expertise on the world market!

With the latest technology in pneumatics, electronics, intelligent software, high class comfort and entertainment devices, but also thanks to the easy and user-friendly operation system, we distinguish our unique quality and strong market presence.

We have become one of the most prestigious companies in Europe that designs, manufactures, delivers and installs full automatic digitally controlled pressurized chambers worldwide.

Welcome a healthy breath of pure oxygen

Hyperbaric Oxygen Therapy

Hyperbaric Oxygen Therapy (HBOT) is a procedure in which we breathe concentrated oxygen inside a chamber with increased atmospheric pressure to improve the natural healing powers of our body.

The oxygen energy boost

Under conditions of pressure (e.g. 1,5 – 2 ATA), lungs can absorb more oxygen than breathing pure oxygen at normal air pressure. The circulatory system carries oxygen throughout the body to help fight bacteria and stimulate the release of substances called growth factors (like vitamins, hormones) and stem cells, which promote healing.

In normal conditions, the oxygen level in our arteries is 100mm Hg. By increasing the pressure at 2 ATA the oxygen level rises to 1400 mm Hg, meaning an increase of 14 times compared to normal pressure conditions.

Reduced oxygen levels

Our bodies depend on oxygen for survival. A lack of oxygen can lower the blood flow, damage tissue, cause premature aging, cause hair to thin and even affect the memory. When we age our cells experience a scarce level nutrients, by supplying oxygen to them can provide health, energy and vitality. Most illnesses and injuries occur and linger on the tissue level, within the cells. In cases of non-healing wounds, strokes or problems with blood circulation, not enough oxygen can reach the affected area and as a result, natural healing does not happen. Hyperbaric Oxygen Therapy solves this problem by providing a natural increase of oxygen.

Increased oxygen levels

Hyperbaric Oxygen Therapy can help in areas where other therapies are simply ineffective. It improves the quality of life of the sufferer and can help any condition where an increase in oxygen is needed.

HYPERBARIC OXYGEN THERAPY CAN WORK WONDERS FOR:

→ Sports

→ Wounds and burns

→ Anti-aging

→ Relaxation

→ Wellness&Spa

→ Complementary
therapy



The main benefits of HBOT can be:

- Rehabilitation by stimulating production of the body's stem cells
- Immune system function
- Swelling and inflammation
- Delivering oxygen to tissues up to 25 times more than normal levels
- Healing process of injuries
- Helping the body to clear toxins
- Regeneration of injured tissues
- Brain & nerve cells recovery from injury (hypoxic penumbra)
- Collagen production speeding up the wound healing process
- Growth of new blood vesselsradiation
- Radiation sickness
- Improving brain function, memory and mood.
- Reviving tired skin
- Shortening recovery times for athletes after injuries

OXYLIFE CHAMBERS

State-of-the-art technology Excellence in Hyperbarics

OXYHELP chambers are designed and built to very strict technological specifications, to ensure high quality, safety and to be easy to use for everybody, even at home.

After reaching the specified pressure, you can relax and enjoy a stable and quiet highly pressurized environment. This can only be achieved by using an automatic computer controlled pressure system.



WINDOW

- Polycarbonate window/door used also in the aircraft field, more resistant than glass or acrylic
- Has 250 times the impact resistance of glass
- Thickness – 10 mm/15 mm
- Large size and transparent material reduces claustrophobia, can be bought in flexible grades
- Customized Precision manufacturing for OXYHELP in Japan
- Safe closing–opening system of the chamber door / window by using a clever and simple sliding system
- Additional security through the sensor for correct/complete closing.

CHAMBER BODY

- Aluminium alloy
- Chamber material thickness 4 mm
- Chamber weighs ca. 100 Kg
- 40mm reinforcement bars support
- Tested & resistant up to 2.5 ATA
- Built from one single aluminum sheet, no welding in the middle
- Solid and robust, but lightweight
- Overall chamber strength is very high
- Resistant to corrosion
- Provides a safe environment

The OXYLIFE I Chamber Models

Our monoplace chambers are available in 80 and 90 diameter sizes to significantly reduce the incidence of noncompliance because of claustrophobia.

OXYLIFE I/80

Interior Dimensions

Ø 80 × 220 L cm

Exterior Dimensions

W max. = 230; H max. = 95; D max. = 85 cm

Volume

1150 liters

Weight

130 kg

OXYLIFE I/90

Interior Dimensions

Ø 90 × 220 L cm

Exterior Dimensions

W max. = 230; H max. = 105; D max. = 95 cm

Volume

1450 liters

Weight

150 kg



CHAMBER FEATURES

- Double control system (internal touch display) allowing to operate the equipment by yourself.
- Independent safety mechanism, manually and software controlled.
- 2 Stop buttons, mechanical and digital on the touch screen.
- Emergency button for fast pressure relief.
- Excellent ventilation system that ensures optimal internal air exchange rate
- Possibility of attaching multimedia devices, USB port inside the chamber available
- High quality fiber-loop resin mattress and pillow
- High quality tubing systems from SMC

PRESSURE CONTROL SYSTEM AND SOFTWARE

- Automatically controlled pressure system, high intelligent software with multiple functions.
- Touchscreen, user-friendly interface allows setting: the compression/decompression speed, treatment pressure level, session time, temperature control and ear pressure equalization.
- Daily history recordings of number of sessions.
- Latest barometric stabilization system.
- The microprocessor system automatically balances the rates of the pumping system and air inlet to set and maintain the requested air pressure.
- Overpressure software detection.

COMPUTER CONTROL SYSTEM

The OXYHELP chambers feature mirrored commands inside and outside of the chamber, a two-way communication system and two touchscreen panel with a friendly user interface.

The high intelligent software allows individual settings for multiple functions, such as:

3 different Compression/
Decompression speed settings

Treatment pressure level
(5 different slots for pre-setting
and highlighting)

Sensor for correct /
complete closing

Ear pressure
equalization
button

Start and stop
button



Setting chamber
temperature

Setting session time length
(hours and minutes)

Settings

Button to activate/deactivate
the touch display inside the
chamber

Real time monitoring all the parameters as:
pressure, temperature, time length of pressurisation +
isobar and depressurization

The modern Wi-Fi connection sends session information to another device.

"Possibility of remote control and malfunction analysis".

Very important to know that the below mentioned and the outline benefits, can only be achieved by an automated pressure control system:

High ventilation flow

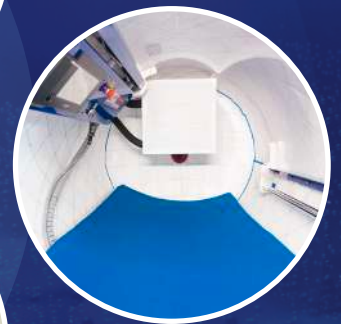
Low levels of CO2 build up (below 1800 ppm for OxyLife I Monoplace chambers)

The user perception of comfort in terms of smoothness and low noise levels (max. 38 db) are increased during the pressurization process.

Complex procedures such as Alleviation (ear equalizer), are implemented and automatically performed by the system.

Allows the operators an accurate use of the chamber, without or with little experience.

Safest design: after pressure release, the door/ window opens (no other locking mechanisms), simple as that!



SAFETY LAYERS FOR OVERPRESSURE

There are a number of reasons why the pressure in a chamber can exceed a predetermined limit. A manual only relief valve cannot cover all credible overpressure scenarios. Utilizing pressure relief software on top of the safety valve ensures overpressure relief at all times and under all circumstances!

Oxylife Chambers have 5 independent safety systems, both manually and software controlled, including:

- Resort/spring type overpressure release valve*
- Manual overpressure release valve (to be pulled from inside or pushed from outside)*
- 2 Stop buttons, mechanical and digital on the touch screen*
- Emergency button for fast pressure relief*
- Overpressure software detection that automatically shuts off the compressor*



Power failure

The automatic controller shuts off the compressor in case of malfunction. When all pressure is released, the window/door opens and the user breathes normal air.

Overpressure

If the manual overpressure valve fails, the automatic controller shuts off the compressor after 60 seconds of malfunction. The software automatically shuts down the device when 5% above the maximum working pressure is reached.

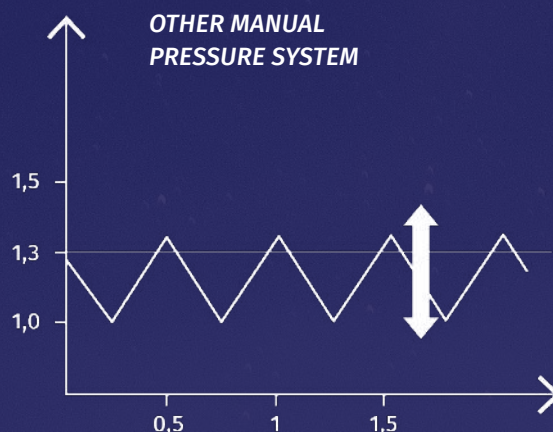
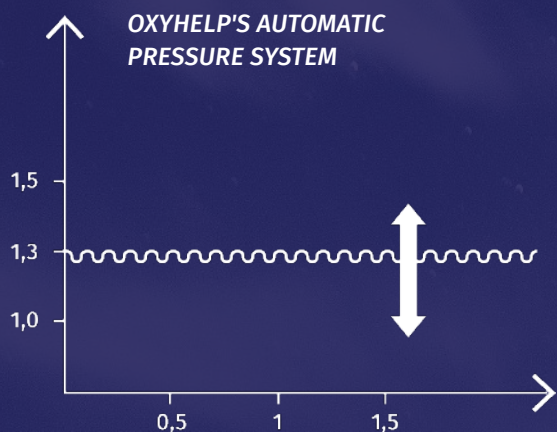
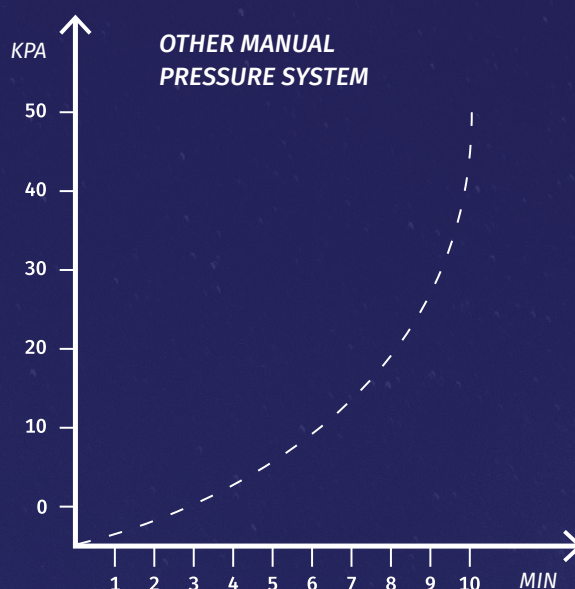
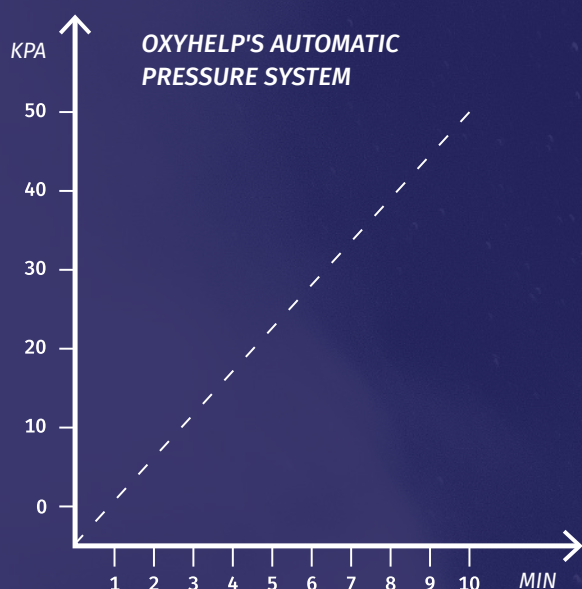
PRESSURE SYSTEM

Ventilation repeatedly pressurizes and decompresses constantly because it discharges the exhaled air from inside the capsule and takes in fresh air after reaching the specified air pressure. Even during pressurization, one of the compressors generates the air exchange rate inside the chamber.

When the difference between pressurization and decompression is bigger, the sound is also higher, so the user feels pain in the ears tympanic membrane and cannot relax.

OxyHelp adopted the latest barometric stabilization system to make the difference between pressurization and depressurization as close as possible to zero.

To be precise OXYHELP reaches the performance to stay under 0.5% isobar pressure fluctuation (at highest pressure setting), this is not only impressive, but it is also over 10 times lower than the regulations allows!



IMPORTANT ACCESSORIES AND OPTIONALS

COOLING SYSTEM

High quality cooling system manufactured by SMC

External cooling station (SMC Premium water-cooled thermo-chiller) eliminates any risk of dangerous coolant.

Separate accessories, such as cooling system and O2 concentrators from the device's control unit, have much better performance by operating individually and are safer than a all-in-one combined system.



OXYGEN CONCENTRATOR

Powerful and precise Airsep Intensity concentrators manufactured by one of the world leaders in their field, CAIRE inc.

Best Solution for delivering high quality oxygen, all the time, without pressure or flow reduction. Can only be possible by using 2 powerful sieves and quality components, this is why it is around 30% heavier (38kg total weight) than most of the other concentrators on the market.

Powerful and continuous output (not pulse type), provides enough oxygen even when the chamber is set on higher working pressure

ca. 170 kPa, maximum 96% O2 purity at a flow of 10l/min



AIRSEP
A Chart Industries Company

AUDIO VIDEO SYSTEM

We use Lg smart TV (with external support) and JBL bluetooth box for delivering the experience of unforgettable multimedia entertainment.



HIGH QUALITY RESIN MATTRESS AND PILLOW

The structure of OxyHelp mattress is made up of a series of continuous fiber loops (polyester elastomers) and as such there is no fiber dust which means that it is difficult for bed mites to propagate.



With 90% of the core material being air, our mattress helps dissipate heat and moisture generated by the body during therapy and allows good ventilation through the entire chamber.



Cushion characteristics

Strong rebound characteristics make it easy for you to turn over in your sleep



Anti-bacterial performance

Anti-bacterial characteristics that meet SEK standards



Durability

The mattress endured being compressed 80.000 times makes for a cushion material that is not prone to wearing out



Safety

Only a small amount of toxic gas is released even when the fiber loop burns



Water permeability

A washable cushion material



Environment

Recyclable



Durability

Prevents sweatiness

SPECIALIZED HBOT CHAMBER FEATURES

- Chambers available in 80 and 90 diameter sizes to significantly reduce the incidence of non compliance because of claustrophobia.
- 5 independent safety mechanism, manually and software controlled.
- Quiet operation (low noise both inside and outside of the chamber) due to our excellent, smart and precise pneumatic system.
- Automatic depressurization in case of power failure.
- Powerful and precise Airsep concentrators (max 96% O₂ purity at a flow of 10l/min), manufactured in the USA by one of the world leaders in their field, CAIRE inc.
- Antibacterial interior – internationally certified – Japanese SEK standards, very comfortable and hygienic mattresses and pillows made of fiber loop resin, manufactured in Germany.
- High intelligent software with multiple functions: temperature control; selecting the compression/decompression speed; setting the session time length, monitoring all the parameters, ear pressure equalization (interrupts the build-up pressure and decreases it very smooth for a 1 minute, before continuing the program).
- Pneumatic controls/system with high-end German motorized valves and SMC pneumatics that allows the command of the barometric stabilization system with a difference nearly close to zero between pressurization and depressurization (linear pressurization depressurization for a smooth ride).
- Separate accessories, such as cooling system and O₂ concentrators from the device's control unit, have much better performance by operating individually and are safer than all-in-one combined system.
- Very solid and safe chamber body tested in-house up to 2.5 ATA. Currently OXYLIFE models are limited to 1.5 ATA with password protection (max. working pressure - 2.0 ATA).
- Two layers of air filters – 0.05 and 0.01 micrometers.

- Excellent ventilation system thanks to powerful compressors (2x140 l/min or more in case of Multiplace) that ensure optimal internal air exchange rate (optimal internal air exchange rate is very important and a must-have inside chambers, so that the evacuation of gaseous wastes carried out by the lung, such as CO₂ are quickly vented out of the chamber).
- User controlled ear pressure equalizer.
- Double control system (mirrored commands) from outside and inside of the chamber, external and internal touch-screen to control the parameters, the equipment can be used without the need of an external operator.
- High quality tubing systems from SMC.
- Safe closing–opening system of the chamber door / window by using a clever and simple sliding system. Additional security through the sensor for correct /complete closing.
- Possibility of attaching multimedia devices (smart TV or tablet) on the outside, USB connection port inside the chamber available.
- Limited claustrophobia due to large, transparent but very safe and resistant polycarbonate door / window (used in the aircraft industry).
- Entertainment package with LG SMART TVs or OCULUS Virtual Reality to transform a daily HBOT Session in a theatrical experience with home comfort.
- The easy entry is ideal for seniors or people with limited mobility, being suitable for narrow wheel chairs with access ramps.
- External cooling station (SMC Premium water-cooled thermochiller) eliminates any risk of dangerous coolant leaking inside the chamber.



OXYLIFE C

Multiplace Hyperbaric Chamber

We produce the world's first modular Hyperbaric Multiplace Chamber. The only Multiplace chamber that can fit through a standard doorway, available in three different sizes.

The OxyLife C Multiplace chamber is ideal for the treatment of multiple patients at the same time or for only one VIP with more space and extra comfort for being able to do workout, doing business at a desk or relax for example on a recliner sofa.

The Multiplace chambers (3 different sizes available: 2, 3 or 4 modules) can also fit cardio equipment like a stationary bike, water rowers or can be fitted with 2, 4 or 5 seats for patients to enjoy collective therapy sessions. Enjoy our entertainment package with LG SMART TVs or OCULUS Virtual Reality and transform your daily HBOT Session in a theatrical experience with the home comfort.



OxyLife C is the first modular Multiplace with double control system from outside and inside the chamber with external and internal touch screens that allows to start and control the equipment by yourself, without the need of an external operator.

Furthermore, the easy entry is ideal for seniors or people with limited mobility (also suitable for narrow wheel chairs with ramps for access).

The normal OXYLIFE C Multiplace chamber consists of round modules. In case of very narrow corridors or facilities (to prevent demolish walls, roofs or parts of the building) we designed the OXYLIFE C SPLIT Version. Here the option of halved/splitted" modules is given, which means that each module is split into 2 half sized parts.



Portability and Installation

The only multiplace chamber to fit through a standard doorway, available in three different sizes.

The 3 sections are small enough (76 cm x 192 cm) to pass through a standard sized door frame to allow for assembly inside a building, without having to structurally modify it.

When needed, the modular chamber may be dismantled, moved and then conveniently re-assembled at a different location. In case of very narrow corridors or facilities, we designed the OXYLIFE C SPLIT version. Here the option of halved modules is given, which means that each module is splitted into 2 half sized parts.

MULTIPLACE CHAMBER FEATURES

- Modular construction (2, 3 or 4 modules) for easy installation and portability;
- First modular Multiplace with double control system from outside and inside the chamber;
- Flexible seals, gaskets and fluid sealing materials placed between modules and sections prevent gas leakage and loss of pressure from the chamber;
- Possibility of enjoying collective therapy sessions, with or without an operator;
- Entertainment package with LG SMART TVs or OCULUS Virtual Reality to transform your daily therapy session in an experience from the comfort of your home;
- Foldable seats allow convenient space usage;
- Chamber can be equipped with cardio equipment, like a stationary bike or water rowers;
- The easy entry is ideal for seniors or people with limited mobility, being suitable for narrow wheel chairs with access ramps.
- External and internal touch screens allows you to operate and control the equipment and monitor all the parameters.
- 5 independent safety mechanism, manually and software controlled.





THE OXYHELP TEAM

We are a team of designers and engineers dedicated to innovate in the development of hyperbaric technology for personal and professional use.

As an established, industry-leading manufacturer of quality technology, The OxyHelp team builds affordable hyperbaric chambers to help people breathe new life into their bodies.

COMMERCIAL ADVANTAGES

- Will serve your patients for years with minimum running costs and maintenance. Delivers amazing results really fast and it lets you make every therapy session count.
- Designed for people of all ages, will make them feel stronger, healthier, more energized and free of pain.
- Available for purchase in the affordable price range.
- Excellent return on investment, very low cost of necessary staff (only one employee can control just monitor simultaneously several Mono - or Multi place systems).

TECHNICAL ADVANTAGES

- Low floor space ratio and minimal supervision.
- Low running costs and low maintenance (air filter replacement only).
- Practitioner independent (can be operated from inside without assistance, timer and counter).
- Manufacturer warranty 2 years, can be extended up to 5 years.

Ideal for therapeutic activities:

→ *Orthopedic Clinics*

→ *Chiropractors*

→ *Holistic Medicine Practice*

→ *Veterinary Practice*

→ *Beauty Salons*

→ *Wellness and Spa*

→ *Fitness Centers*

→ *Sports Centers*

→ *Private Use*

WARRANTY

Breathe easily, we've got you covered

OXYHELP INDUSTRY offers its clients a manufacturer warranty of 2 years with 3 years extension option for unlimited confidence.

SERVICE AND MAINTENANCE

Fast and reliable

We guarantee the swiftest technical intervention times in the industry!

We are able to service your equipment in no longer than 10 working days for units sold anywhere in the world (in the EU even faster, due to several mobile service teams and independent authorized contractors/distributors).

Very efficient technical support / service via video-audio calls and "REMOTE CONTROL AND MALFUNCTION ANALYSIS COMPUTER-SYSTEM" with our staff and engineers in case of technical or operation issues/problems or software update in the first hours.

That's safe to know:

- All chambers are manufactured under modern standards in the EU (X-ray, ultrasound and dye penetrant liquid inspections = DPI).
- For safety reasons, all models are tested in-house (in production) up to a pressure that is 3 times higher (over 2 ATA up to a maximum of 2.5 ATA) than the usual operating pressure.
- OxyLife I (Monoplace) and OxyLife C (Multiplace) are commercial, non-medical devices.



OXYHELP
INDUSTRY

Breathe Wisely

WE ARE OXYHELP
INTELLIGENT TECHNOLOGY

AVAILABLE TODAY
for Worldwide Shipping

Contact OXYHELP INDUSTRY now to learn more about our hyperbaric chambers and technology.
An OXYHELP representative will get back to you in just one breath.

OXYHELP INDUSTRY GmbH

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