

OXYHELP
INDUSTRY



Experience the healing powers of
PURE OXYGEN

Hyperbaric Oxygen Therapy is as natural as
BREATHING

BREATHE WISELY

OXYHELP INDUSTRY GmbH is a Hyperbaric Oxygen Therapy capsule manufacturer dedicated to champion the technology and health benefits of Hyperbaric Oxygen Therapy and bridge theory with practice in the design and manufacturing of specialized HBOT chambers.

OxyLife I

The HBOT technology we developed is reflected in our premium chamber unit – Oxylife I. We designed it with people in mind, using medical grade technology to help people reach optimal health.

OxyLife I is an uniquely developed hyperbaric chamber in terms of available features, quality of design and manufacture, including price range.

We have become one of the most prestigious companies in Europe that deliver and install digitally controlled pressurized chambers for Hyperbaric Oxygen Therapy all around the world.

WELCOME A HEALTHY BREATH OF PURE OXYGEN

Hyperbaric Oxygen Therapy

Hyperbaric Oxygen Therapy (HBOT) is a procedure in which we breathe pure 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 (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. Increasing the pressure at 2 ATA, the oxygen level in our arteries becomes 1400 mm Hg, an increase of 14 times than normal conditions.

Reduced oxygen levels

Our bodies depend on oxygen for survival. A lack of oxygen can decrease blood flow, damage tissue, cause premature aging, cause hair to thin and even affect the memory. When we age, our cells are starved of nutrients, but supplying oxygen to our cells can provide health, energy and vitality. Most illnesses and injuries occur and linger in 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 an increase in oxygen naturally.

Increased oxygen levels

Hyperbaric Oxygen Therapy works in areas where other medications are simply ineffective. It improves the quality of life of the sufferer and conditions such as stroke, chronic fatigue, palsy etc, have all shown dramatic changes. HBOT can treat any condition where an increase in oxygen is needed, it can treat infections where it is used as an antibiotic or can be used in conjunction with other medicines.

HYPERBARIC OXYGEN THERAPY WORKS WONDERS FOR:

- Sports
- Medical Rehabilitation
- Wounds and burns
- Anti-aging
- Relaxation
- Wellness&Spa
- Complementary therapy



Hyperbaric Oxygen Therapy main benefits

- Assists in rehabilitation by stimulating production of the body's stem cells
- Boosts immune system function
- Decreases swelling and inflammation
- Delivers oxygen to tissues up to 25 times normal levels
- Heals injuries much faster
- Helps the body to clear toxins
- Increases the body's ability to fight infection
- Promotes regeneration of injured tissues
- Reduces fatigue from chronic hypoxia

- Stimulates brain & nerve cells recovery from injury (hypoxic penumbra)
- Stimulates collagen production speeding up the wound healing process
- Supports growth of new blood vessels
- It can help fight radiation sickness
- It mitigates the effects that diabetes has on the vasculature
- Eases arthritis pain
- Improves brain function, memory and mood.
- Helps revive tired skin
- Shortens recovery times for athletes after injuries

OXYLIFE I

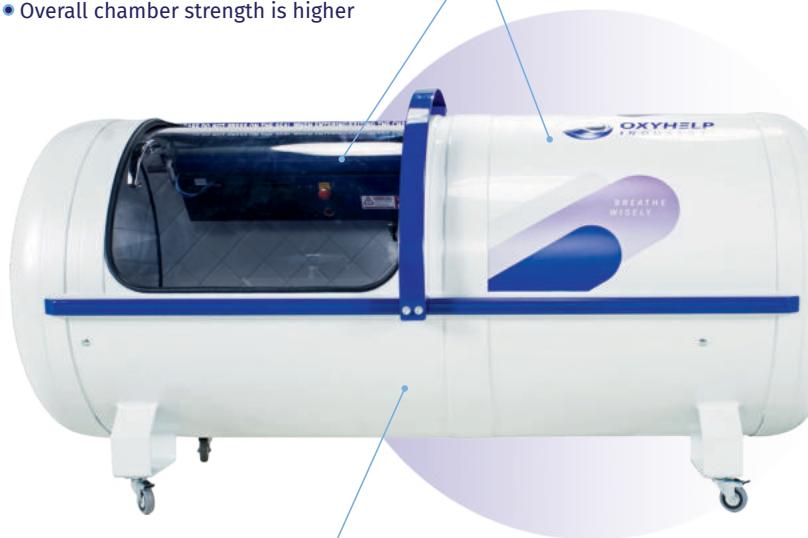
OxyHelp Hyperbaric Oxygen Therapy Chamber

State-of-the-art technology to help you breathe new life into your body

The OxyHelp Hyperbaric Oxygen Therapy chamber is designed and built to very strict medical and technological specifications to bring the healing powers of oxygen for each individual, according to a customized individual treatment protocol.

CHAMBER BODY

- Aluminium alloy
- Lightweight, chamber is 4 mm thick and weighs 90 Kg
- Resistant to corrosion while providing a safe environment
- Built from one single aluminum sheet, no welding in the middle
- Chamber material thickness 4 mm
- Overall chamber strength is higher



WINDOW

- Polycarbonate – manufactured and bended in Japan
- Has 250 times the impact resistance of glass
- Can be bought in flexible grades
- Thickness – 10 mm
- More resistant

PRESSURE SYSTEM

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

- Automatically controlled pressure system
- Touchscreen – friendly user interface allows setting the compression/decompression speed, treatment pressure level and session time
- Daily history recordings of number of sessions, length, start and stop initiation. Latest barometric stabilization system makes the difference between pressurization and depressurization as close as possible to zero.
- The microprocessor system automatically balances the rates of the pumping system and air inlet to set and maintain the requested air pressure.
- Pneumatic controls manufactured by SMC Japan

COMPUTER CONTROL

The OxyHelp chambers feature mirrored commands inside and outside of the chamber, a two-way communication system and a touchscreen panel with a friendly user interface that allows manual settings for:

- Compression/decompression speed
- Treatment pressure level
- Chamber temperature
- Session time

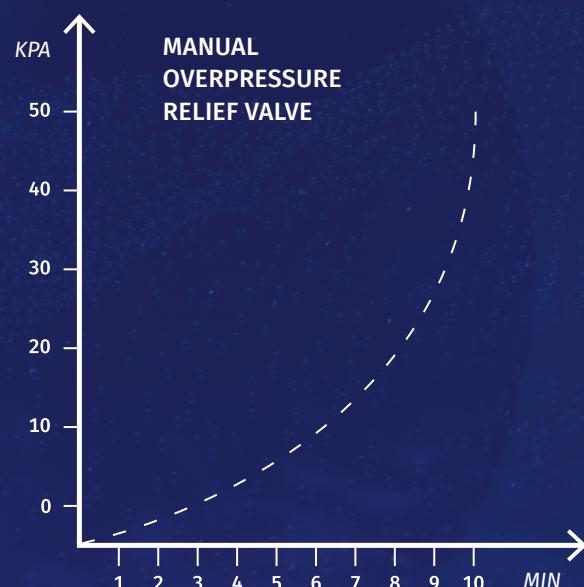
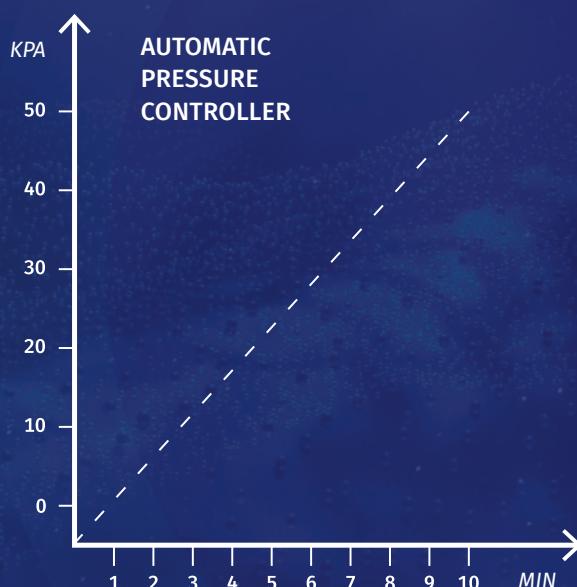
SAFETY LAYERS FOR OVERPRESSURE

- Manual overpressure release valve
- Automatic controller shuts off the compressor after 60 seconds malfunction

Ventilation repeatedly pressurizes and decompresses constantly because it discharges the air (oxygen + carbon dioxide) inside the capsule and takes in fresh air (oxygen) after reaching the specified air pressure.

When the difference between pressurization and decompression is bigger, the sound is also higher, so the user feels pain in the ears and 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.



SAFETY OPERATIONS

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!

○ Power failure

When all pressure is released, the door opens, patient breathes normal air.

○ Overpressure

If manual overpressure valve fails, automatic controller shuts off the compressor after 30 seconds malfunction.

COOLING SYSTEM

High quality cooling system manufactured by SMC in Japan

We're using a water based cooler, it's more expensive, but very efficient and safe, no risk of cooling gas leakage inside the chamber.



OXYGEN CONCENTRATOR

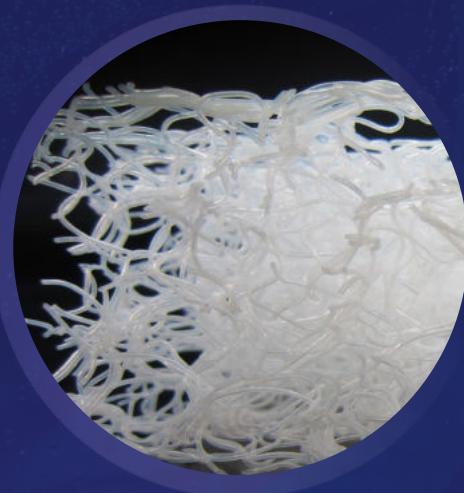
High quality oxygen concentrator manufactured by AirSep, USA

OxyHelp uses the best solutions for delivering high quality oxygen during hyperbaric oxygen therapy sessions. At 38 kg, it is around 30% heavier than any other concentrator on the market. Powerful and continuous output (not pulse type) provides enough oxygen even when the chamber is pressurized at 2 ATA.



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



Water permeability

A washable cushion material



Environment Recyclable



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



Air permeability

Prevents sweatiness

SPECIALIZED HBOT CHAMBER FEATURES

- Air filled system with oxygen provided through BIBS mask
- Dual over-pressure safety mechanism – manual and software
- Quiet operation (low noise both inside and outside of the chamber)
- Automatic depressurization in case of power failure
- Patient quick stop button
- Two layers of air filters – 0.05 and 0.01 micrometers
- Antibacterial interior – internationally certified – Japanese SEK standards
- The ability to hear, see and to monitor the patient at all times
- Emergency depressurization available for patient and operator
- Patient controlled ear pressure equalizer
- Medical grade tubing

Available in 2 different sizes for patients' comfort

OXYLIFE I/80

Dimensions Ø 80 x 232 L cm
Volume 1156 liters
Weight 90 kg

OXYLIFE I/90

Dimensions Ø 90 x 232 L cm
Volume 1463 liters
Weight 105 kg



OXYLIFE C

Multiplace Hyperbaric Chamber

The OxyHelp OxyLife C Multiplace chamber is ideal for the treatment of multiple patients at the same time, either with an assistant or observer inside to monitor the patients and assist with the therapy, electronic functions or emergencies.

The Mini or Maxi Multiplace chambers can also fit cardio equipment like a stationary bike or can be fitted with 2 to 4 seats for patients to enjoy collective therapy sessions.

MINI MULTIPLACE



Portability and installation

The only multiplace chamber to fit through a standard doorway

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 the building. When needed, the modular chamber may be dismantled, moved and then conveniently re-assembled at a different location.

MAXI MULTIPLACE

- Modular construction
- Flexible seals, gaskets and fluid sealing materials placed between modules and sections prevent gas leakage and loss of pressure from the chamber
- Foldable seats allow convenient space usage
- Possibility of wheelchair access
- Chamber can be equipped with a stationary bike



The OxyHelp team

We are a team of designers and engineers dedicated to innovate in the development of hyperbaric oxygen therapy 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

TECHNICAL ADVANTAGES

- Low floor space ratio and minimal supervision (from 75 cm X 210 cm foot print, 90 kg)
- 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)
- Documented health benefits

Ideal for therapeutic activities:

→ *Orthopedic Clinics*

→ *Wellness and Spa*

→ *Chiropractors*

→ *Fitness Centers*

→ *Holistic Medicine Practice*

→ *Sports Centers*

→ *Veterinary Practice*

→ *Private Use*

→ *Beauty Salons*

WARRANTY

Breathe easily, we've got you covered

OxyHelp Industry GmbH offers its clients a manufacturer warranty of 2 years with 3 years extension option for unlimited confidence.

SERVICE AND MAINTENANCE

Fast and reliable

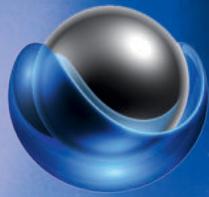
We guarantee the swiftest technical intervention times in the industry. We are able to service your equipment in no longer than 10 working days for units sold anywhere in the world.

That's safe to know.

OxyHelp certifications include:

The following benefits can only be achieved by an automated pressure control system:

- High ventilation flow, low levels of CO₂ build up (below 3000 ppm) while keeping low noise levels (below 30 db).
- Implementation of complex procedures during the chamber pressurization like Alleviation (ear equalizer) are now automatically performed by the system only pressing a button.
- Will allow the operators an accurate use of the chamber without or with little experience.
- The advantages of pressuring using a parabolic profile, namely smooth ride, in order to reduce the middle ear barotrauma.
- The user perception of comfort in terms of smoothness and low noise during the pressurization process.
- A good pressure profile tracking (average error equal to 0.25%) and repeatability (standard deviation equal to 0.48%) are obtained.
- Stability in pressurization during bottom treatment independently of disturbances, air escapes are now compensated by the controller.
- Automatic procedures for pressurization and depressurization are now very simple.



OXYHELP
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AVAILABLE TODAY for shipment anywhere in the world.

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

Distribution for Switzerland:



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