



Unique
Medical Technology Division

With decades of specialist experience, we offer a new proposition in hyperbaric treatment through the design, manufacture and supply of bespoke hyperbaric oxygen treatment chambers, with you and your patients in mind.

At Unique Medical Technology, we don't simply provide hyperbaric chambers of the highest quality – we become your facility partner.

We listen to your needs, understand your priorities, and work with you to devise a custom-built solution

We apply our experience to offer professional advice on the optimum system for your facility

We offer critical care monitoring equipment specially designed for use inside hyperbaric chambers

We provide expert support to integrate your hyperbaric oxygen treatment chamber into your medical infrastructure, working alongside your architects, doctors and project managers

We deliver 24/7 technical support to ensure you're getting the most from your investment

Serving the healthcare market across the world, Unique Medical Technology draws upon the experience, knowledge and expertise of the wider Unique Group.

www.uniquegroup.com/medical



Unique Group
Strength in Depth



Hyperbaric medicine, also known as hyperbaric oxygen therapy (HBOT), is the medical use of oxygen at a level higher than atmospheric pressure.

Designed to the highest specifications, our systems comply with the stringent design codes for medical devices (as per EC93-42). With standard chamber diameter/length of 2200mm/6.2m there is capacity for ten people in the main chamber and two in the entrance chamber.

Designed for positive patient experience:

IMAGERY CHAMBER AESTHETICS provide a visually relaxing environment for the patients.

COMPRESSION COOLING: our unique environmental exchange system is designed to assist patients' comfort by mitigating the uncomfortable effects caused during adiabatic compression.

ADAPTABLE INTERNAL LAYOUT allows clients the freedom to alter internal seating and gurney arrangements as required.

CONDITIONED LIGHTING in the chamber helps relax patients during the process. The LED mounted lights round the chamber provide a light display and control leading to a stress-free experience.

Designed for client's ease of use:

ADJUSTABLE CHAMBER size as per hospital requirements.

TOUCH SCREEN PLC CHAMBER CONTROL STATION for easy-to-use and feel-safe chamber operation.

ERGONOMIC CHAMBER CONTROL allows the operator to benefit from the functional layout which gives them a full overview of the chamber operations.

HIGH VISIBILITY VIEWING WINDOWS offer a full patient oversight and communication.

CHAMBER LIFE SPAN: the Uni-Heal HBO chambers are designed to ensure durability with cost effective maintenance.

COMPREHENSIVE TRAINING AND SUPPORT SERVICES to help an easy transition.



Hyperbaric chambers are increasingly being used in mainstream medical services to treat conditions ranging from carbon monoxide poisoning to diabetic wound care and non-healing cuts.

Some of the medical indications for which the treatment is recognised are:

AIR OR GAS EMBOLISM

CARBON MONOXIDE POISONING

CLOSTRIDIAL MYOSITIS AND MYONECROSIS (GAS GANGRENE)

DECOMPRESSION SICKNESS

ARTERIAL INSUFFICIENCIES

SEVERE ANEMIA (BLOOD LOSS)

CRUSH INJURY

COMPARTMENT SYNDROME

OTHER ACUTE TRAUMATIC ISCHEMIAS



Products

Precision, quality and attention to detail: the hallmarks of our hyperbaric systems.

Our HBOT chamber design enables us to be equipped and ready to customise to larger specifications, adjust seat numbers and increase the working pressure – all in line with your requirements.

Key features include:

- Designed to the highest specifications our systems comply with the stringent design codes for medical devices (as per EC93-42)
- Standard chamber diameter/length of 2200mm/6.2m
- Working pressure between 1.8 bar to 3.0 bar, with an option for a higher working pressure if required
- A fully digital chamber control system, ergonomically designed for easy operation, analysis and communication with manual override / back-up system
- Machinery Room systems fully aligned with your bespoke chamber design
- Water deluge firefighting capability
- Primary and secondary breathing air supply systems

**Our chamber approval is in accordance with ASME VIII DIV.1 PVHO-1. If requested, our pressure vessels can be built in compliance with EC 97-23 certification.*

Care equipment:

Our standard D-MAS HyperSat patient monitoring device comes with D-MAS medical software suite 2015 pre-installed.

The following come as standard:

- Blood pressure: cuffs in three sizes (S, M, L)
- Pulse CO-oximetry with Masimo SET finger clip sensor for SPO2 (saturated oxygen)
- Resting ECG (12 lead with University of Glasgow interpretation software)
- Extended ECG for 12 months



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