



## Hyperbaric Stretchers & Treatment Systems



Meeting the most stringent requirements for both diving and medical use in civilian, emergency and military hotspots around the world

[www.hyperlite.co.uk](http://www.hyperlite.co.uk)

When it comes to non-metallic portable chambers, you will find there is no other unit that covers the full range of oxygen therapies AND carries the approvals and certification that meet the worlds highest standards

# WHAT'S NEW?

## SAVING STORAGE

The new Hyperlite System now packs away into just one large case 27 x 27 x 25 in (67 x 67 x 64 cm) with two smaller briefcases - the control box and the small items box.

## INCREASED PRESSURE RATING

The system has an increased pressure rating so that it can now operate ALL oxygen therapy tables up to 18,000ft (5500m) above sea level.

## SAVING WEIGHT

The system now weighs 1/3 less than the previous model. The overall packed weight has been reduced by some 80lb (36kg) and the pressure vessel itself by 33lb (15kg).

## A MODEL FOR YOUR NEEDS

With four different models to choose from, our sales team can advise you which will suit your specific requirements best. There is also a large variety of optional items that can be incorporated, to make it ideal for your needs. Call us today or send an email via our website for our specialist advice.

## PATIENT MONITORING OPTIONS

With full patient monitoring of EKG, Pulse Oximetry and Temperature, the fixed wire or Bluetooth technology allows for real time data to be transmitted to a doctor anywhere in the world.

## EASY MOVING

The large case has a mobility kit with 4 removable wheels that can be fitted in seconds, allowing the cases to be pulled around with a single pull strap over smooth surfaces.



Left: New Pelican Boxes. Above: Mobility Kit

## INNOVATIVE TUBE TECHNOLOGY

The new tube incorporates new polymer fibre braiding technology making it stronger, harder wearing, lighter and much easier to pack.



Above: Reinforced Braided Tube  
Left: The Vitalink patient monitoring unit by Telemedic Systems.

# THE NEW SOS HYPERLITE HYPERBARIC STRETCHER

The new Hyperlite is truly innovative, quick deployment, first aid medical equipment. The product of newly developed technology, manufactured using modern high performance fibre materials to their best advantage.

Like a hyperbaric chamber, it provides 100% oxygen on demand through a BIBS mask or hood, whilst pressurised with air and is suitable for use anywhere from diving sites, remote locations, war zones, medical centres, and 'on the move' in aircraft, helicopters, boats, submarines, ambulances or other road vehicles.

The overriding advantage of the Hyperlite is its lightness, foldability and versatility. a very significant benefit where inaccessibility, inclement conditions and/or other dangers may be present at an accident site. Treatment starts right there, with final resolution likely to be some way away where specialist hands-on medical support is available.



The new Hyperlite System is 33% lighter and a packed volume 48% smaller than the previous model.



## WIDE RANGE OF FUNCTIONS, WIDE RANGE OF CUSTOMERS

Functions Include:

- Decompression Sickness/Altitude Sickness
- Air Embolism
- Carbon Monoxide Poisoning
- Hazmat/Chemical & Biological Exposure
- Battlefield Medicine

Customers Include:

- US Navy, Army, Airforce, Special Operations.
- US Coastguard
- NASA NOAA
- Aeromedical Evacuation
- Hong Kong Fire Department

## TRANSFER UNDER PRESSURE

The Hyperlite is also a Transfer Under Pressure (TUP) capsule for moving a casualty that requires high levels of oxygen or where being subjected to ambient pressure may be life threatening, such as in submarine rescue.

The versatility of the Hyperlite offers the capability of full oxygen treatment up to an altitude of 6000 mtrs (20,000 ft) without compromise.

## DECOMPRESSION SICKNESS & AIR EMBOLISM

Diving is a dangerous sport, especially when the limitations of depth and time are not strictly adhered to. For those that get into difficulties, the presence of a hyperbaric chamber close by is a rarity!

The perfect solution is the presence of a Hyperlite for immediate recompression delivering hyperbaric oxygen at above ambient pressures

Not only is full relief from the trauma achieved, but early treatment leads to timely full resolution of the sickness.

With the Hyperlite being both small and light in weight, treatment can continue during transportation to a larger chamber or medical facility. Where this is not possible, the full therapy can be achieved on site.



Hyperlite in helicopter on NATO mission



Superyachts also have Hyperlites on board for diving related injuries at sea.



Hyperlites are widely used for treatment of diving injuries



Please note that some of the information below will vary with different models

<b>MODEL NO: 23/88/SOSH/75</b>	<b>Imperial</b>	<b>Metric</b>
Length	88.5 inches	224.5 cm
Diameter	23.5 inches	59.5 cm
Window Thickness	1.0 inch	2.54 cm
Bladder Thickness	0.05 inches	1.2 mm
PV Weight	110 lb	50 kg
PV Volume	20 cubic ft	570 litres
Max. Allowable Working Pressure	75 fsw – 33.5 psig	23 msw – 2.3 barg
Production Test Pressure	114 fsw – 50 psig	34.5 msw – 3.45 barg
Prototype Test Pressure Achieved	453 fsw – 201 psig	138 msw – 13.8 barg
Gauges – Bourdon Dual Scale Absolute	0 – 90 fsw	0 - 30 msw

<b>MATERIALS</b>	
BRAID	Vectran™ Liquid Crystal Polymer Fibre
BLADDER	Polyether Polyurethane covered Nylon Fabric
PROTECTIVE COVER	Polyurethane coated Polyester woven Fabric
END WINDOWS	Clear Acrylic Plastic in Nylon 6 Protection Rings

<b>CASES</b>	<b>NO</b>	<b>DIMS IN INCHES</b>	<b>DIMS IN CMS</b>	<b>WEIGHT LB</b>	<b>WEIGHT KG</b>
MAIN	1	27 X 27 X 25	68 X 68 X 64	152	69
CONTROL	2	19 X 14 X 7	47 X 36 X 18	25	12
ANC. PARTS	3	19 X 14 X 7	47 X 36 X 18	14	6
<b>TOTALS</b>		12.7 CUBIC FT	0.36 M <sup>3</sup>	191	87

**BUILD STANDARDS**

ASME PVHO-1 (2007) & Case 12 | U.S. NAVY DIVING & MANNED HYPERBARIC SYSTEMS SAFETY CERTIFICATION | LLOYD'S REGISTER EMEA | SGS UK LTD SYSTEMS & SERVICES CERTIFICATION | ISO 13485:2003 | DIRECTIVE 93/42/EEC FOR MEDICAL DEVICES | HEALTH CANADA & FDA COMPLIANT

**USEFUL INFORMATION**

NATO PRODUCT NUMBER - NATO 1045-99-442-1520 | US DOD NSN STOCK NUMBER - NSN 6515-01-541-3147 | INT. HARM. CUSTOMS TARIFF - 9019-20-00-00 | DUNS CODE NO. - DUNS 211217835 | CAGE CODE NO – U04L4 | WARRANTY - 1 YR. FAULTY MATERIALS &/or WORKMANSHIP

Please note that existing owners of SOS Hyperlites are able to upgrade their present units to incorporate the new braided technology tube in place of the filament wound para-aramid fibre/silicone tube originally supplied. Full information is available on request and is highly recommended. Please note that the life of the tubes is ten years, but the window assemblies etc. may be extended to up to twenty years. This upgrade can only be carried out at a recognised service facility.



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