



Air Médic
AMBULANCE AÉRIENNE



SOS
hyperlite

Hyperbaric Chamber

- Suitable for multiple emergency applications
- Fully operational in 15 minutes
- Suitable for high altitude evacuation
- Preferred choice of the US Military
- ASME PVHO - 1 & FDA compliant



HYPERLITE
EMERGENCY
EVACUATION
HYPERBARIC
STRETCHER
(E.E.H.S.)
TREATMENT
SYSTEM



EMERGENCY
CASUALTY UNDER PRESSURE

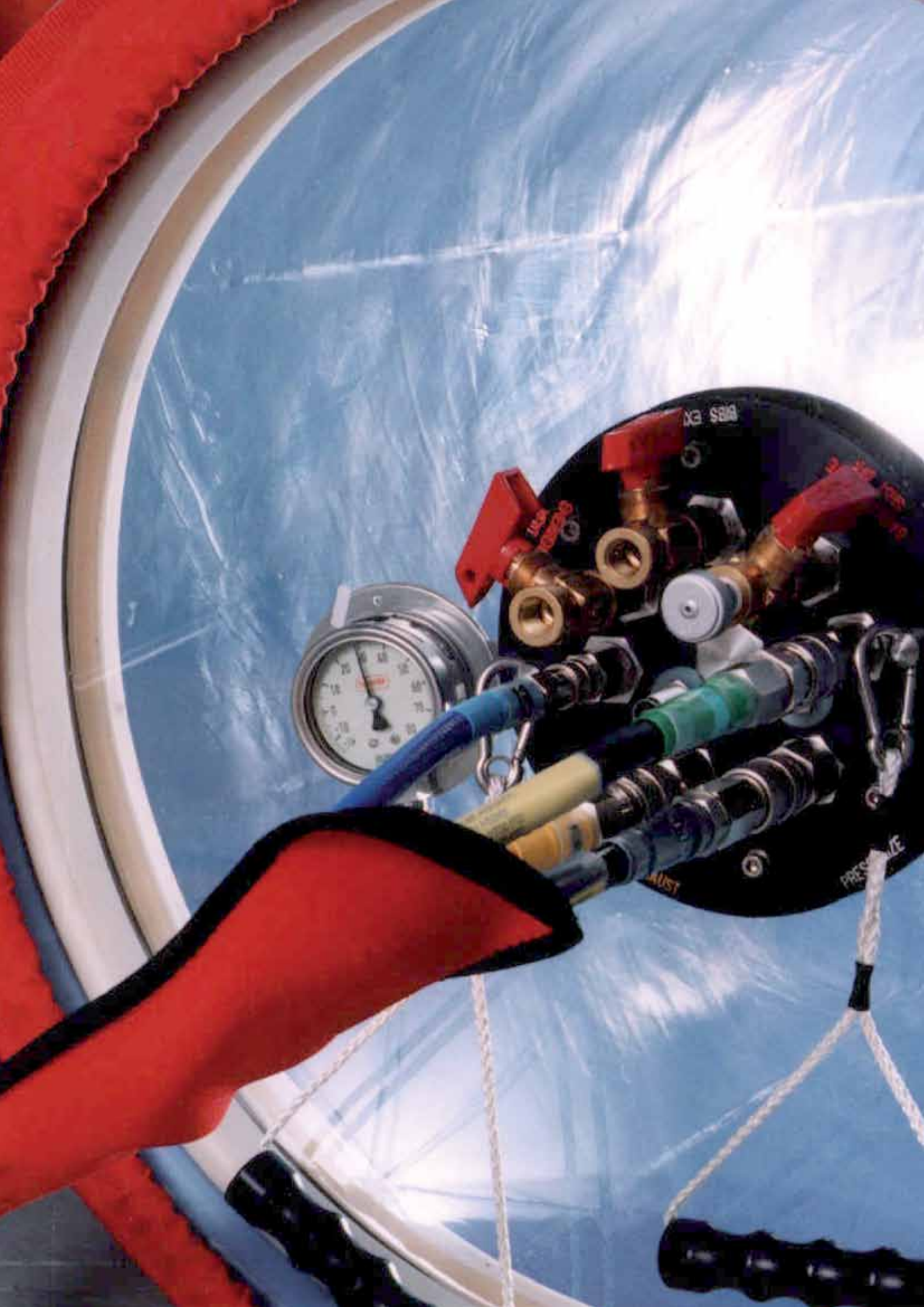
CASUALTY UNDER PRESSURE

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SOS Hyperlite Hyperbaric Chamber

THE SURVITEC GROUP IN PARTNERSHIP WITH SOS HYPERLITE

The Survitec Group leverages over 150 years of experience to ensure we provide our customers with best value products and services. Built on innovation and using only the most advanced technology, materials and processes, we are the leading international developers of fully supportable safety and survival solutions.

Our engineers are pioneering in their product design resulting in a portfolio which is the envy of the survival market. We continually look outwards to meet our customers' needs and in doing so developed a unique joint venture with SOS Hyperlite; original developer, sole manufacturer and world leader in the non-metallic hyperbaric chamber market. SOS Hyperlite utilised revolutionary technology and premier engineering practices to dominate their market. Combining excellent product field performance and extensive after sales support, SOS Hyperlite are dedicated to

providing customers with a versatile, heavy duty product, with intensive operational training and strategically placed international servicing capabilities.

Uniting our expertise and knowledge bases SOS Hyperlite and the Survitec Group embarked on a complete redevelopment of the Hyperlite Pressure Vessel. Our aim was to produce a cutting-edge product which was durable under pressure but capable of easy transportation and flexibility. The result is SOS Hyperlite, Mod 1, a non-metallic fully portable hyperbaric stretcher and treatment system with transfer under pressure capabilities approved by US military for fixed wing aircraft. Survitec have replaced the original aramid filament wound silicon covered tubes with a new polymer fibre, braided Vectran™ surrounding a strong polyurethane coated bladder, ensuring the SOS Hyperlite is now safer, stronger, more durable, lighter and easier to store than any of our competitors' products.



APPLICATIONS

Typically hyperbaric therapy is many miles from the casualty and in the interim period between injury and treatment many patients die or are irreversibly injured; The SOS Hyperlite system radically reduces those possibilities. The SOS Hyperlite stretcher and treatment system can be treating patients and saving lives in just 15 minutes. The only system of its kind in the world, the SOS Hyperbaric portable stretcher and treatment facility can be used to combat:

- decompression and altitude sickness,
- arterial gas embolism,
- carbon monoxide poisoning,

- blast trauma,
- blood loss anaemia,
- biological/chemical/HAZMAT exposure.

Currently in widespread use by US Military the Hyperlite system is suitable across a variety of platforms including:

- battlefield medicine
- submarine escape and rescue
- military diving
- high altitude operations

FEATURES

Reduced Packaged Volume and Increased Durability

- Increased pressure rating on previous model.
- Innovative new tube technology.
- Overall weight reduction and increased durability due to innovative new material, Vectran™.

BENEFITS

Space Efficiencies and Extended Product Lifecycle

- Improved packaging means greater storage flexibility.
- Minimum lifespan of 20 years for all metallic parts and windows, 10 years for flexible parts.

Unique Capabilities

The only portable hyperbaric chamber capable of:

- utilising all 100% oxygenated therapies in any survival situation including high altitude evacuation
- providing treatment during casualty transportation
- being fully operational up to 18,000ft.

Extra Peace of Mind

- SOS Hyperlite is the only company to offer operational training, which is hosted by industry experts hand-picked from the most experienced personnel in the hyperbaric community.
- Full maintenance is completed by fully qualified SOS Hyperlite engineers.

Proven Under Pressure

- The only non-metallic chamber capable of all 100% oxygenated treatments, ever to have met the arduous requirements of the US National Standard - ASME PVHO-1, through a Code Case.
- SOS Hyperlite received US Navy Certification after a Foreign Comparative Test Study where SOS Hyperlite showed superior quality against its closest competitor.
- SOS Hyperlite remains the US Militaries preferred choice within the non-metallic hyperbaric chamber market.
- ASME PVHO – 1 & Case 12 compliant
- 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

PROVEN THROUGH TEST PROGRAMME

- Pressure tested 6 x maximum allowable working pressure (MAWP).
- Drop test with 200lbs ballast at 45° angle from the horizontal
- Cyclic test 10,000 cycles completed.
- Solar radiation testing.
- Salt fog resistance testing.
- Vibration and EMC tests.
- SOS Hyperlites' dedication to safety resulted in a hyperbaric system which is compliant with the most stringent industry regulations.
- SOS Hyperlite is the most internationally approved, portable non-metallic hyperbaric chamber on the market.



TECHNICAL INFORMATION

Model No. – Mod 1	Imperial	Metric
Length	88.5 inches	224.5 cm
Extended length version	100 inches	255 cm
Diameter	23.5 inches	59.5 cm
Window thickness	1.0 inch	2.54 cm
Bladder thickness	0.05 inches	1.2 mm
Pressure vessel weight	110 lb	50 kg
Pressure vessel volume	20 cubic feet	570 litres
Max allowable working pressure	75 fsw - 33.5 psig	23 msw - 2.3 barg
Product test pressure	114 fsw - 50.25 psig	34.5 msw - 3.45 barg
Prototype test pressure achieved	453 fsw - 201 psig	138 msw - 13.8 barg
Gauges – bourdon dual scale	0 - 90 fsw	0 - 30 msw

Materials

Braid	Vectran™ liquid crystal polymer fibre
Bladder	Polyether polyurethane coated nylon woven fabric
Protective cover	Polyurethane coated polyester woven fabric
End windows	Clear acrylic plastic in nylon protection rings

Cases	Dims in Inches	Dims in Cms	Weight lb	Weight kg
Main	27x27x25	68x68x64	152	69
Control	19x14x7	47x36x18	25	12
Ancillary parts	19x14x7	47x36x18	14	6
Totals	12.7 Cubic ft	0.36 Cubic m	191	87



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