



World leaders in diving equipment technology

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HEAD OFFICE
Enterprise Drive
Westhill
Aberdeen
AB32 6TQ
T: +44 (0)1224 740145
F: +44 (0)1224 740172

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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, when 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, ability to fold 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.

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 18,000 ft (5500 mtrs) 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 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 of medical facility. Where this is not possible, the full therapy can be achieved on site.

Saving Storage

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

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 weights 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).

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.

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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 on a single pull strap over smooth surfaces.

Innovative Tube Technology

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

Wide range of applications include:

- Decompression sickness/Altitude sickness
- Battlefield medicine
- Air embolism
- Carbon Monoxide poisoning
- Hazmat/chemical and biological exposure
- Aeromedical evacuation

Customers include:

- US Navy, Army, Airforce
- Special Operations
- US Coastguard
- NASA NOAA
- Hong Kong fire department

Build Standards:

- ASME PVHO-1 (2007) & Case 12
- US 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:

- NATA Product Number:
NATO NSN 4220-99-888-7210
- US DOD NSN Stock Number:
NSN 6515-01-541-3147
- Int. Harm. Customs Tariff:
9019-20-00-00
- DUNS Code No: 211217835
- Cage Code No: U04L4
- Warranty: 1 Year Faulty Materials and/or Workmanship

Specification

General	
Model No	23/88/SOSH/75
Length	88.5" / 224.5cm
Diameter	23.5" / 59.5cm
Window Thickness	1.0" / 2.54cm
Bladder Thickness	0.05" / 1.2mm
Pressure Vessel Weight	110 lb / 50 kg
Pressure Vessel Volume	20 cubic ft / 570 litres
Max. Allowable Working Pressure	75 fsw - 33.5 psig / 23 msw - 2.3 barg
Production Test Pressure	111 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
Main Case (1)	
Dimensions	27 x 27 x 25" 68 x 68 x 64cms
Weight	152lb / 69kg
Control Case (2)	
Dimensions	19 x 14 x 7" 47 x 36 x 18cms
Weight	25lb / 12kg
Anc. Parts Case (3)	
Dimensions	19 x 14 x 7" 47 x 36 x 18cms
Weight	14lb / 6kg

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Order Code DC060