



**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	0 – 90 fsw	0 - 30 msw

<b>DESIGN CODES</b>	ASME PVHO-1 (2007) & Case 12 U.S. NAVY DIVING & MANNED HYPERBARIC SYSTEMS SAFETY CERTIFICATION
TEST WITNESSING	LLOYD'S REGISTER EMEA
QUALITY ASSURANCE ASSESSORS	SGS UK LTD SYSTEMS & SERVICES CERTIFICATION
QUALITY ASSURANCE STANDARDS ACHIEVED	ISO 13485:2003 DIRECTIVE 93/42/EEC FOR MEDICAL DEVICES HEALTH CANADA & FDA COMPLIANT

<b>PROTOTYPE TESTING</b>	
*ALL AT 100°F/38°C	OVERPRESSURE TO 6X FOR 30 MINS ON 3 UNITS*
	OVERPRESSURE TO 5X FOR 300 HOURS ON 1 UNIT*
	CYCLIC TESTING 10,000 CYCLES (1/MIN) *
	DROP TEST AT 45° 200 LB LOAD MIN 3 FT
	COLD STORAGE INFLATION TESTS
	SOLAR RADIATION, SALT FOG, VIBRATION & EMC TESTS

<b>MATERIALS</b>	
BRAID	Vectran™ Liquid Crystal Polymer Fibre
BLADDER	Polyether Polyurethane coated 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>	229	100



MODEL	MILITARY	YACHT	STANDARD
BRAIDED TUBE ASSEMBLY & TWO WINDOW ASSEMBLIES, BIBS SYSTEM; OVERBOARD DUMP, REMOTE AIR INLET HOSE, UMBILICAL.	✓	✓	✓
CONTROL BOX	✓	✓	✓
AIR & OXYGEN REGULATORS AT SUPPLY TANKS	✓	✓	✓
REMOTE AIR INLET HOSE	✓	✓	✓
LIFTING HANDLE STRAPS (2 WITH 'D' RINGS)	✓	✓	✓
STRONG SEALED TRAVEL CASE (PELICAN 0370)	✓	✓	✓
ANCILLARY EQUIPMENT CASE (PELICAN 1500)	✓	✓	✓
TRAVEL CASE MOBILITY KIT (4 WHEELS)	✓	✓	✓
SPRUNG HOOPS (3)	✓	✓	✓
2-WAY DUPLEX INTERCOM SYSTEM	✓	✓	✓
LCD DUAL TIMER & THERMOMETER	✓	✓	✓
MEDICAL LOCK IN HEAD END DOME	✓	✓	
CENTRAL HANDLE STRAP & HORIZONTAL LIFTING SLING FOR HELICOPTER/CRANE WINCH	✓	✓	
EXHALED GAS EXHAUST HOSE	✓	✓	
EXTERNAL ANALOG BACK-UP PRESSURE GAUGE FSW/MSW	✓	✓	
AIR CYLINDER ADAPTER (1), OXYGEN CYLINDER ADAPTERS (2) & BY-PASS ADAPTER (1)	✓	✓	
OXYGEN MONITOR	✓	✓	
ADD.MECH/ELEC PENETRATIONS IN PEN PLATE	✓	✓	
DRAG MATTRESS WITH SLIP MAT	✓	✓	
BUILT TO MILITARY SPECIFICATIONS WITH COMPREHENSIVE DOCUMENTATION PACKAGE	✓		

USEFUL INFORMATION	
NATO 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 & CAGE CODE NOS.	DUNS 211217835 CAGE CODE – 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.**



Tel: +44 (0) 845 263 8155  
 Fax: +44 (0) 870 838 1103  
 Email: [info@hyperlite.co.uk](mailto:info@hyperlite.co.uk)  
 Web: [www.hyperlite.co.uk](http://www.hyperlite.co.uk)

**SOS HYPERLITE LTD**

Heritage House  
 Ramsey Road  
 Peel, IM5 1RH  
 British Isles