

SATURATION DIVING SYSTEM SHEPL-SAT-02 (Portable 12 Man)

MAIN PARTICULARS

Owner :	SHEPL
Upgraded	2011
Builder	OCS
Certification Standard	D018
Audited to	IMCA D024
Last Audited	April 2011
Pressure Rated	16 bar (150msw)

MAIN COMPONENTS

Main Module c/w Bell and LARS
Sat / Dive Control Unit
Living Chamber & Transfer Lock
Living Chamber - 2
Hyperbaric Rescue Chamber (HRC) and Launch System
HRC Fly Away package Control Unit
Main Umbilical Basket
Emergency Umbilical
Machinery Container 1
Machinery Container 2
Workshop Container
Hydraulic Power Pack

DIVE CONTROL UNIT

Bell / Dive Control
Un-Scrambler Communication & T/W Comms
Diver Hat Video and Black Box Unit
Diver Gas Reclaim System Control Panel
Gas Analyzers
Main Chamber Control Panel
Chamber - 2 Control Panel
TUP Control Panel
HRC Control Panel
Chamber Environmental Control Panel
CCTV To Chambers

HYPERBARIC RESCUE CHAMBER 12 MAN

Onboard emergency gas and battery power for 72 hrs
12 man HRC c/v, 12 x Full Seat Harness & approved Safety Helmets
1 x Toilet, Shower, Wash Basin
4 x HCU, 13 x BIBS compete with dump, 6 x CO₂ scrubbers,
Medical Lock & 6 x Bunk Beds
Lifting Frame & Rigging, Towing Bridle

HRC EMERGENCY CONTROL UNIT

Control Panel With Window Aircon
Communications & Analyzers
Environmental Control Heating & Cooling



POWER SUPPLY REQUIREMENTS

Electric Power System	440 v, 60 Hz
Emergency Generator	300 kVA
Compressed Air	400 cfm, 90 psi
Seawater	25 gpm @ 2-4 bar
Fresh Water	3 gpm @ 2- 3 bar

DIVING COMPONENTS

Main Chamber
2 Man Chamber
HRC 12 man & 6 man Living
TUP
Bell

DIVING BELL

Capacity	3 Divers
Diver Lock-Out	2 Divers
Jewel 601, 17B Reclaim Hats	3
KMB 18B Band Mask	2
Lighting	Internal & External
Emergency Communications	T/W Comms & S/P Phone
Mating to Main Chamber	Side-mating
Bell Bottom / Top Door	Hydraulic
Onboard Gas	90.0m ³ in 3 Banks
Onboard O ₂	10.m ³ in 1 Cylinder
CO ₂ Removal	3 x Dh21 Scrubber + Lexmar Scrubber / Heater

LIFE SUPPORT MACHINERY

Divers Hot-Water Unit	HMS HWU 100% Redundancy
ECU Units	4 x Kinergetics 126K
Chamber Portable Water Unit (Hot/Cold)	
Divex Air Driven Reclaim Unit	