

Life Support Package "CMC-LSP-12"

Hyperbaric Evacuation Unit "CMC-HEU-2200-300-12"

LIFE SUPPORT PACKAGE



PRESENTATION

Certification - Standard	DNV - IMCA
Location	10' container on Rescue Vessel
Outer operating temperature	-10 °C to +50 °C
Function	Supply of HEU after launching

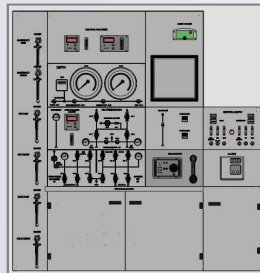
DEFINITION

10' CONTAINER AND SAFETY COMPONENTS

Specific equipment	Air conditioning and safety components Insulation with A60 plates
Technical plugs	Connection from "Rescue Vessel" Connection to the HEU

CONTROL / MONITORING PANEL

Water	Hot / cold water supply
Electricity	TV camera Container analyser Communication Alarms Electric Control Panel
Gas and analysis	Internal depth CO ₂ & O ₂ analysers HEU pressurisations Hygrometry sensor HEU exhaust & Temperature Oxygen & breathing gas (50/50) supply



ENVIRONMENTAL CONTROL UNIT

Heater	27 kW
Chiller	15 kW

UTILITIES ON RESCUE VESSEL

Power supply	400 V- 3 - 50/60 Hz, 50 kW
Gas storage HP	Mixed gases Breathing gases Oxygen P = 3 bar
Fresh water	3 < P < 10 bar - Flow rate > 66 l/min
Sea water	

UMBILICAL: 3 PARTS

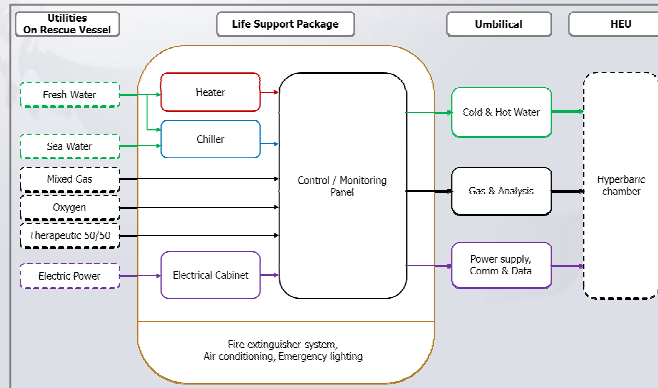
Main umbilical	Vital functions for divers survival
Emergency umbilical	BIBS and Cold or Hot water
Hot water umbilical	

TRANSPORTATION

Container	10'
Means of transportation	Classic or by helicopter

MOBILISATION / DEMOBILISATION

Connection	Quick connectors
Pros	Low need of electric power & water resources



HYPERBARIC EVACUATION UNIT

PRESENTATION

Certification	DNV
Operating depth	300 msw
Location	Diving System or Rescue Vessel
Outer operating temperature	-10 °C to +50 °C
Inner operating temperature	+20 °C to +40 °C

DEFINITION

Capacity	3 men (normal) - 12 men (emergency)
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INTEGRATION

WATER

"Sewage Drain" - "Fire Extinguisher" - "Environmental Control Unit"

GAS

"Pressurisations / Exhaust" - "Oxygen make-up" - "BIBS" - "Depth intake"
"Gas Analysis"

ELECTRICITY, DATA AND COMMUNICATION

Control units	CO ₂ scrubbers and Environmental Control Unit (normal and emergency)
Safety and monitoring	Smoke fire detector, O ₂ sensor Temperature and hygrometry sensors
Communication and video	Camera, Comm box Sound Powered Telephone Lighting and Headboard

OPERATION

NORMAL MODE

Connection	To the Diving System
Specification	Beds available

EMERGENCY MODE

Autonomous when afloat	
Launching system	"Free Fall"
Quick connectors	Easy connection to LSP via umbilical

CMC Industries

ZI la Grande Marine - BP 90033
84 801 L'Isle Sur La Sorgue cedex
FRANCE

Tel. + 33 (0) 490 382 722
Fax. + 33 (0) 490 383 819
www.cmc-industries.com

Contact: Eric Guillermet
Mobile phone: + 33 (0) 680 062 202
Contact: Jean-Pierre Déchaut
Mobile phone: + 33 (0) 665 403 151

