

HYPERBARIC RESCUE FACILITY (HRF)

300 HRF – 18 Man HRF System



This HRF system is a compact and well-engineered product, providing reliability and redundancy throughout all systems. The HRF chamber and support container is designed and built to ensure safe manned diving up to 300 meters sea water depth.

The system meets or exceeds the minimum requirements as given in the IMCA D024 Design guidelines for saturation systems. The HRF has been audited and found compliant to IMCA D053.

DHRF Chamber Internal Layout

Triple-lock Living Chamber Lock I, Lock II & TUP

- Lock I - provides facility for four occupants sleeping and six seated and is designed to provide ten occupants with life support requirements. This is also used as the connection to the SMS spool assembly for access to the SPHLB
- TUP - is used as the sanitary facility
- Lock II - provides facility for four occupants sleeping and four occupants seated and is designed to provide the occupants with life support requirements.
- Medical locks are provided on lock I & lock II

SYSTEM LAYOUT

1 x Triple-Lock Chamber and Frame:

- Lock 1 with 4 berths and 6 seated
- Lock 2 with 4 berths and 4 seated
- Wet pot with toilet and basin

SPHL Reception Facilities:

- SPHL landing frame
- SMS spools and clamp

1 x HRF Life Support Container:

Housed in a 20 foot standard freight container with a partition. The machinery side is fitted with two ECUs and potable water. The LSS side with LSS gas panels and electrical systems.

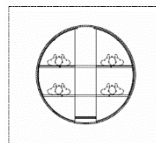
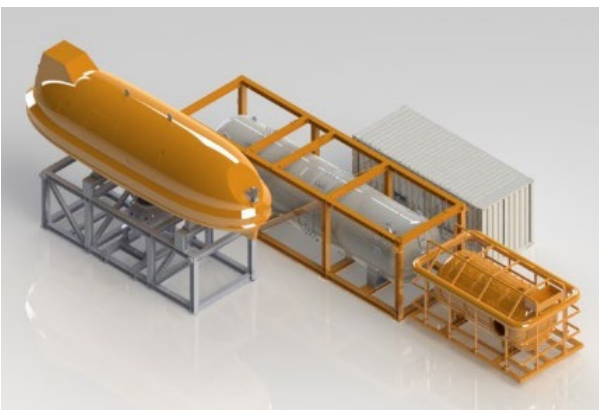
Life Support Control & Machinery Container

Housed:

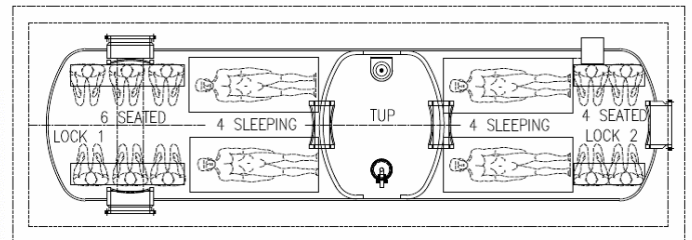
20 ft. ISO Containers

Fitted Out With:

- Gas Control
- Electrical Systems & Machinery required to provide a comprehensive life support system for the HRF internal occupants



SECTION THRU CHAMBER LOCK 1



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Twin-Lock Chamber Frame

Gas and Water systems are hard piping from interface plates to the chamber shell valves. Interconnects to the Machinery Container and Life Support Control Container are flexible hoses.

HRF Reception Facilities:

- Can receive either a SPHL or a HRC
- Comprises of a set of landing cradles and a mating clamp

