



HRF

Hyperbaric Reception Facility

HRF-001

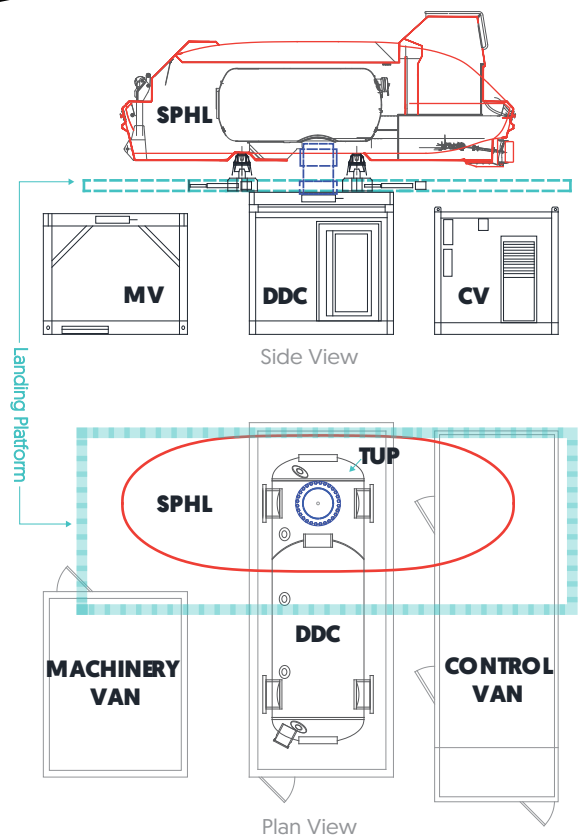
PRINCIPAL PARTICULARS

Asset Number : HRF-001
 Builder : UTS
 Class : Lloyd's Register
 [ASME Section VII.Div1] & PVHO-1-2007
 Audited to : Lloyd's and IMCA Design for HRF

GENERAL INFO

HRF-001 is a *Hyperbaric Reception Facility* designed to support the safe reception, treatment, and decompression of up to **12 saturation divers** from a *Hyperbaric Rescue Unit (HRU)*. Built to **Lloyd's Register** Classification Society rules and maintained in accordance with **IMCA** guidelines, the facility accommodates both top and side-mating of HRUs. However, it is primarily configured for the 12-man **SPHL** of the *OLV Venture 1*.

The system consists of a single **DDC Container** (housing the *Main Lock* and *Entry Lock*), a **Life Support Control Van**, and a **Machinery Van**. The entire facility is designed for rapid mobilization to any suitable shore location to meet project and diver safety requirements.



Test./Cert. Guideline



International Marine Contractors Association

Operator

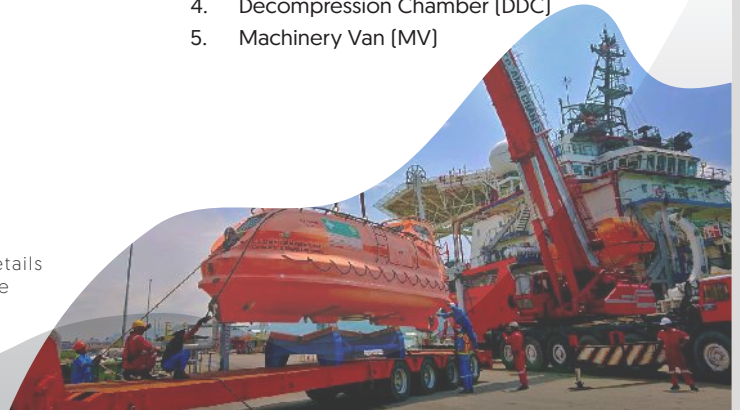


Subsea Worldwide Solutions Sdn. Bhd.

SYSTEM COMPONENTS

1. SPHL
2. SPHL Landing Platform
3. Control Van (CV)
4. Decompression Chamber (DDC)
5. Machinery Van (MV)

Disclaimer: This brochure is for promotional purposes only. All details are provided in good faith but without guarantee; Specifications are subject to change without notice and do not constitute an offer or contract. Interested parties are advised to verify all information through direct inspection of the system.
 Last revised: March 2026



Hyperbaric Reception Facility



Technical Specification

HRF

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CONTROL VAN

- Gas Management Panel
- DDC-1 Control Panel
- TUP Contraol Panel
- SPHL Control Panel
- Video Recording Unit
- Comm System
- Monitoring System : Depth & Gas Analyzers
- 15" Display Monitors
- Power Distribution Panel
- Transformers
- Automatic Voltage Stabilizer
- Deluge Switch Panel
- Fire Alarm Panel

Dimensions : 9,000 x 3,000 x 3,120

Weight : 14.5 ton

DDC Container

Dimensions : 8,600 x 3,500 x 3,800

Weight : 37 ton

(DDC-1, TUP & Telescopic Flange)

Chamber Complex

- Capacity : 12-man
- Pressure Rated : 20 bar
- Diameter : ID 2200

1) DDC-1 (Main Lock)

- Volume : 17.7 m³
- Two end manways
- Two side manways

2) TUP (Entry Lock)

- Volume : 7.6m³
- Two end manways
- Two side manways

3) TELESCOPIC FLANGE

Telescopic movement : 45mm

Hand operation hydraulic pump

Dimensions : 1,580 x 1,180 x 1,150



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MACHINERY VAN

Dimensions : 4,500 x 3,500 x 3,020
Weight : 10.0 ton

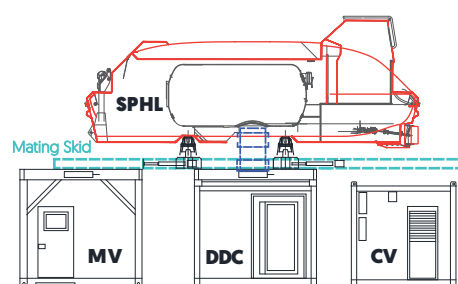
1. Environmental Control Unit (DDC)

Twin 12-Ton ECUs for temperature and humidity control, complete with:

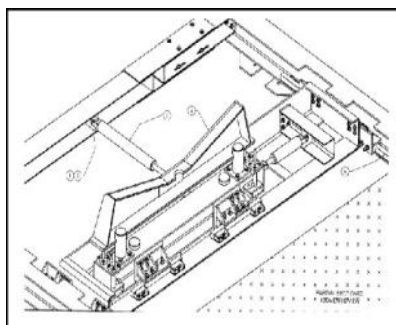
- Semi-hermetic refrigeration compressors with control systems
- Water-cooled condensers
- Two-stage heater system
- External cooling tower

2. 200L Potable Water Unit (DDC)

- 200L potable water heater tank
- 2 x air-driven reciprocating pumps
- Digital temperature control with adjustable set points and safety cut-out protection



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SPHL LANDING PLATFORM

Installation : Athwart on top of DDC-1
Sliding function : Three function for cradle
: Back and forth = 0-600mm
: Right and left = 0-200mm
: Up and down = 0-119mm

Hand operated hydraulic pump

Dimensions : 11,930 x 4,300 x 890
Weight : 7.0 ton



SERVICES REQUIRED

1. Main Supply : 3 Phase 440V-60Hz 250A [220 KW]
2. Secondary Supply (Generator) : 3 Phase 440V-60Hz 250A [220 KW]

Others:

- Potable water supply



HRF

Hyperbaric
Reception Facility

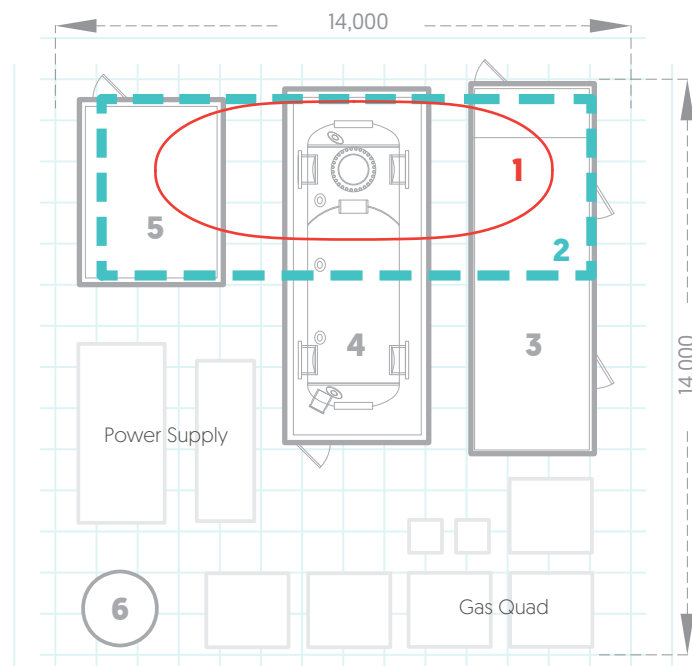


HRF-001



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TYPICAL SETUP



Minimum Required Footprint: 14m x 14m
[Compact Configuration]

No.	Item	L (mm)	W (mm)	H (mm)	Weight (kg)
1	SPHL	9,500	3,350	3,850	17,500
2	SPHL Landing Platform	11,930	4,300	890	7,000
3	Control Van	9,000	3,000	3,120	14,500
4	DDC Container	8,600	3,500	3,780	37,000
5	Machinery Van	4,500	3,500	3,020	10,000
6	Cooling Tower	1,800	1,800	2,100	1,500

ABOVE SPECIFICATIONS ARE FOR GUIDANCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE