



OFFSHORE DIVE SPREAD

The offshore dive spread consist out of the following:

- Decompression Chamber
- Dive control
- LARS System
- Machinery Unit
 - HP gas storage
- Store Container (optional)





GENERAL

Designed and Manufactured to IMCA Standards
Class or build to class system

Usage

Optional to allow back to back diving

Design Pressure

10 bar

Design Temperature

0 – 52 degrees Celsius

Volume

6.2 m³ Main Lock

2.7 m³ Entry Lock

Weight overall

± 10,000 kg

Dimensions

20ft DNV offshore container

Chamber doors

Ø 700 mm On Entry and Main Lock

EQUIPMENT

Chamber external camera
Medical lock and Interlock
Air management panel 2x HP inlets
Emergency Breathing Air Supply Mask with Comms
Chamber communicator
Chamber communicator back-up
Sound powered phone
2 x Monitors

A1800 or A15000 Chamber

2 x Hyperbaric Mattress
6 x BIBS masks
CO₂ scrubber
O₂ / CO₂ analyser
Chamber internal camera

Buffers

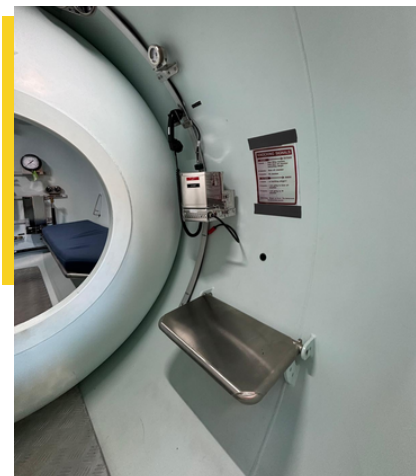
External Redundant Quads or from Machinery Unit

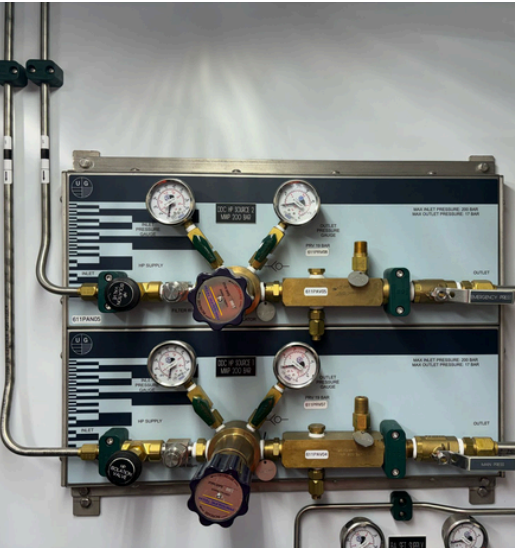
Heating / Cooling

Split Unit Air Conditioned Area

POWER

Provided through Machinery Unit
220 Volt AC, 50/60Hz, 2Amp
12V 105Amp Emergency Power





DIVE CONTROL CONTAINER

Certification

DNV 2.7-1

Maximum gross weight

20,000 kg

Dimensions

Length 6,06 m - Width 2,44 m - Height 2,44 m

Diving gear

- 3 x KM diving helmet
- 1 x KM Band mask
- 4 x underwater camera's
- 4 x underwater lights
- Critical spares

Equipment

- 2 x 3- Diver AMCON unit
- 19" Rack AVD System
- 3- Diver hat light and camera controller
- Deck camera controller
- DVR recording system
- 3 x 18" LCD monitors for video display
- Clearcom 4-channel deck communication unit
- DP alarm panel
- Emergency breathing air supply Interspiro or AKA mask with comms, 6 L cylinder, harness, and hose with 2nd connection point for alternative BA source
- VHF base station
- Ambient control room oxygen analyser
- Additional 50L of air supply for BA supply

CONTROL PANEL

Unique Group 1800 WSN, 3 Diver Nitrox Dive control panel surface mount 19" rack

Features

- 2 x Alternative 40bar inlet lines for Nitrox Mix for each diver, each line with a dedicated pressure regulator
- 1 x 200bar Inlet line for air for each diver, each with a dedicated pressure regulator
- 1 x 40bar Oxygen inlet line for each diver, each with a dedicated pressure regulator
- Safety valves on gas supply & pneumo
- All components (incl. all soft seals) are oxygen compatible

Specifications

- 3 x Diver gas outlet – 6 JIC
- 3 x Diver pneumo outlet – 4 JIC
- 3 x Oxygen analysers (for each diver's downstream supply)
- 3 x Precision 3D depth gauges





General

Designed and Manufactured to IMCA Standards

Safe Working Load

11,000Kg

Dimensions

20ft DNV offshore container

Power

Provided through Machinery Unit
220 Volt AC, 50/60Hz, 8Amp
12V 105Amp Emergency Power

Dive Control Panel

3-Diver Surface Mount Panel
3-Diver Gas Outlet
3-Diver Pneumo Outlet
Safety Valves on gas and Pneumo Supply
3-Precision 3D Depth Gauge
Diver Hat Light Camera Controller

Communication

Diver Amcom Communicator
Chamber communications system
Chamber communications backup system

CCTV

17" Flatscreen LCD Minors
Diver Video / Audio HDD Recording System
NetMC TXT Video Overlay System
Deck Camera Controller – 4channel
Black Box Recorder – 8 channel

Heating / Cooling

Split Unit Air Conditioned Area

Buffers

External Redundant Quads or from Machinery Unit

Deco Chamber

As per Deco Chamber Specification

Personal Dive Gear

As per Machinery Unit Specifications

Emergency

DMAC 15 Suitcase
12V 105Amp Emergency Power





General

Lloyds Certified, Offshore Rated and Designed and Manufactured to IMCA Standards

Sea State

2 m significant wave height with a maximum dynamic loading of 15° (Longitudinal), 10° (Latitudinal) and 2 G (Vertical)

Depth Rating

50 m

Transfer

Maximum 45 m with storage depth of 45 m
e.g. 125 m long main lift wire (primary recovery) and 250 m long clump lift wire (secondary recovery)
Maximum 24 m/s hoisting speed above water

Communication

Clear Comms System

LARS

SWL 1800Kg, Hydraulically controlled

LARS Dimensions

Height 2,66 m – Length 5,40 m – Width 2,45 m

Diving Cage

2 or 3 Diver Capacity

Diving Cage Dimensions

Height 2,72 m – Length 1,60 m – Width 1,60 m

Clump Weight

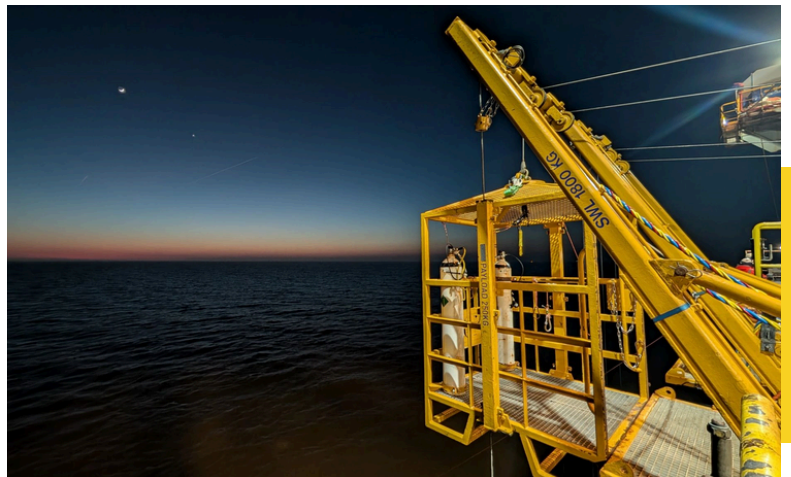
500 kg or 750 kg

Hydraulics

Dual Speed Man Riding Winches and redundant electrical driven power packs.

Power

Provided through Machinery Unit
380 – 400Volt AC, 50/60Hz, 32Amp, 3phase + earth





GENERAL

Designed and Manufactured to IMCA Standards

Dimensions

DNV 20ft Offshore Container

Weight

± 10.000 kg

Power Supply Requirement

440/380 VAC

3 Phase

60/50 Hz

Ambient Operating Temperature Range

0 °C - 50 °C

Container Fitout

32x 50ltr 200bar Breathing Air gas bank bulkhead mounted
Work Bench and Tool Cabinet

MACHINERY

2 x HP Compressor L&W 320E

320 l/m

Air Filter System

OPTIONAL SETS

Cutting Set

100 m c/w cables, oxygen hose, cutting torch

Welding Set

100 m c/w cables, welding stinger

