

BACKUP CONTAINERIZED DDC W/ SURFACE MOUNTED BA SUPPLY CYLINDERS (DNV Version) rev: 16/06/2026



SPECIFICATION:

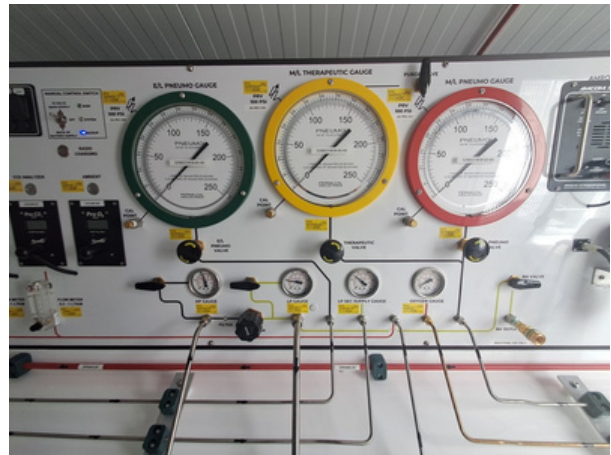
CONTAINER

- 20 FT DNV Offshore Container (Lifting Sling included)
- Customized Exterior Paint
- INTERIOR
 - Built in Fire Fighting System
 - Aluminum Chequered Flooring Plate
 - 2 x Fire Retardant Door
 - Insulation - PU - 50mm



CHAMBER CONTROL PANEL

- Color Coded Gauges:
 - 1 x 6" x 230 fsw / 70 msw Entrance lock Depth Gauge
 - 1 x 8.5" x 230 fsw / 70 msw Therapeutic Depth gauge
 - 1 x 6" x 230 fsw / 70 msw Main lock Depth gauge
- 1 x Sound Powered phone (connected to Entrance/main lock spt)
- 1 x Transformer 12v, switch for emergency battery power)
- 1 x 12v, 80 ah back up supply Battery
- 1 x Oxygen Analyser (O2) with high low alarm (Chamber Internal)
- 1 x Carbon Dioxide Analyser (CO2) with high alarm (Chamber Internal)
- 1 x Oxygen Analyser (O2) with high low alarm (Ambient)
- 1 x 15.5" waterproof TFT monitor (connected to Main lock hyperbaric camera)
- 1 x Gauge for Oxygen supply to the chamber (Oxygen approved gauge)
- 1 x 2 Channel DVR recorder unit with 128GB SD card.
- 1 x Gauge for Low-Pressure air supply to the chamber
- 1 x Quick disconnect fitting plumbed into air supply for BA Mask
- 1 x Chamber Communicator, Amron 2820A-02
- 1 x Breathing air mask complete with communications (fitted to QD above)
- 2 x Flowmeter for analysers
- 1 x High-pressure Regulator w/gauge
- Voltage stabilizer 5 KVA



SURFACE MOUNTED BA SUPPLY CYLINDERS

- 12 x 50 LTRS Cylinders (200 BAR)
- Distribution Panel to DDC



ELECTRICAL COMPONENTS

- 220 Volt input
- Stabilizer
- lights / switches
- 12 Volt Battery Backup for DDC Supply
- A/C - Hot/Cold



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CHAMBER ENTRY LOCK

- 1 x View Port
- 2 x Seats
- 1 x Aluminium chequered floor plate
- 2 x Hyperbaric Amron Bibs
- 2 x Drain Hose (1 x internal / 1 x external)
- 1 x LED Hyperbaric Light Unit
- 1 x Electrical Penetrator 6 core
- 1 x Internal Amron Talk Back Speakers # 3114
- All Valves and Fittings as required
- 1 x Sound Powered Phone

CHAMBER MAIN LOCK

- 2x View Ports
- 2 x Drain Hose (1 x internal / 1 x external)
- 1 x Internal Amron Talk Back Speakers # 3114
- 1 x Hyperbaric Fire Extinguisher, Amerex Model 240h
- 3 x Hyperbaric Amron Bibs
- 1 x LED Hyperbaric Light Unit
- 1 x 230ft Internal Caisson Gauge
- 1 x Sound Powered Phone
- 1 x Internal Hyperbaric camera with a view of the main lock
- 1 x 12 V Co2 Scrubber
- 2 x Electrical penetrations
- 2 x Bunk Beds Foldable with Pillows & Blanket
- 1 x Aluminium chequered floor plate
- 2 x Hyperbaric Fire Retardant Mattress sets
- All Valves and Fittings as required are Swagelok, Apollo or equivalent brand

CHAMBER MEDICAL LOCK

- Stainless steel door and hinges
- Interlock is provided on the medical lock door, which will engage the lock when the medical lock is under pressure.
- Big stainless steel handle is provided for easy opening and closing of the external door.



FEATURES:

- water deluge system
- Viewports
- Volume of Chamber: 6,046 L (M/L: 4,100 L + E/L: 1,940 L + Medical Lock: 6 L)
- Built-in Breathing System with Masks
- CCTV
- Oxygen Control panels
- CO2 scrubbers
- Oxygen and CO2 Analyzers
- Hyperbaric fire extinguishers
- Chamber communication systems
- Fire Extinguisher
- BA Mask

SmartDives standard **deck decompression chamber** is a twin-lock chamber, with an internal diameter of 1,500 mm (60 inches), 10 bar, fitted with 2 foldable bunks in the main lock and 2 foldable seats in the entrance lock. Suitable to support 2 divers and 1 attendant.

SmartDives Deck Decompression Chamber is built to ASME SECTION VIII DIV 1 code & ASME PVHO-1, is a pressure vessel for human occupancy (PVHO), is a complete hyperbaric chamber system for decompression of divers, oxygen treatment and other hyperbaric therapies.