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DIVETECH

للخدمات الهندسية البحرية  
Marine Engineering Services

## 20ft DDC Chamber with Panel - Specification

PART OF  
AD PORTS GROUP



### 20 Ft Container Specification (Serial No. CPWU 2515514)

- ✓ Single layer steel plate for flooring and paint finished
- ✓ Interior wall panel and ceiling are Rockwool insulated and covered in painted steel plate cladding and painted
- ✓ Anti-slip roofing
- ✓ 1 x Standard double leaf door with hinges and locking bar
- ✓ 2 x Personnel access door
- ✓ Chemical resist composite tabletop
- ✓ 1 x Master communication master station
- ✓ 1 x Split air conditioning – 18000 BTU
- ✓ 2 x Emergency Lights
- ✓ 1 x electrical distribution box c/w MCB & ELCB-220V
- ✓ 4 x 4ft twin fluorescent lightings – 36W
- ✓ 2 x Dry Powder fire extinguisher
- ✓ 2 x Carbon dioxide fire extinguisher
- ✓ 6 x 2-gang power sockets – 220V, 13A
- ✓ 2 x Recessed penetrator plates



ISO 9001  
ISO 14001  
ISO 45001  
BUREAU VERITAS  
Certified



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NIPPON KAI KYOKAI (UK) LTD

Tasneef  
تسنيف ماريتايم



[www.divetechuae.com](http://www.divetechuae.com) [info@divetechuae.com](mailto:info@divetechuae.com)



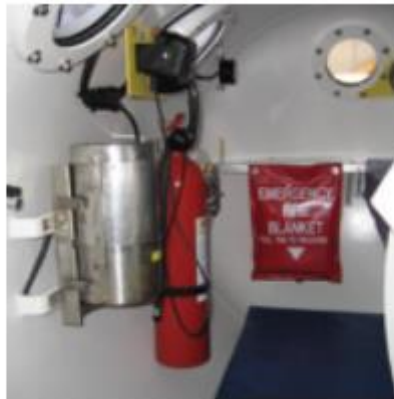
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## 20ft DDC Chamber with Panel - Specification

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Plant No. DMES-DDC-004



[www.divetechuae.com](http://www.divetechuae.com) [info@divetechuae.com](mailto:info@divetechuae.com)



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### DDC Chamber specification

Plant Number	:	DMES-DDC-005
Serial Number	:	MEW-416-ADC
Model	:	60 Inch (Built-In Diver Air Control Panel)
Year	:	10th October 2019
Manufacturer	:	Mukul Engineering Works
Design Pressure	:	135 Psi / 9 Bar
Hydrostatic Test Pressure	:	203 Psi / 14 Bar

### Features

✓ DDC Floodable Volume Main Lock = 4.2 m <sup>3</sup> , Entry Lock = 1.8 m <sup>3</sup> , Medical Lock = 0.0263 m <sup>3</sup> .
✓ The DDC is certified to ASME and PVHO code.
✓ Shell: SA 516 Gr 70 Steel
✓ 2 x 30" Dia, O-ring sealed, double pivoting hinge, self-tightening with "strong back" locking mechanism
✓ Fully plumbed stainless steel and Tungam tubing with quarter turn and needle valves on either side of the hull penetrator. Non-return valves fitted to the inlet gas supplies.
✓ Deck covers are removable powdered coated, aluminium checkered plates.
✓ Oxygen pipework installed with valves and quick connects for the BIBS.
✓ Chamber environment sampling lines.
✓ Chamber Communicator Amron installed for Main/Entry Lock communications,
✓ Sound powered phones and bull horn speakers are also fitted to each lock.
✓ 2 x View Ports installed for main lock & 1 x view port for entry lock.

### Chamber External

- ✓ 1 x Oxygen Monitor c/w O2 Sensor cell (ambient atmosphere).
- ✓ 1 x Oxygen Monitor c/w O2 Sensor cell (Chamber atmosphere).
- ✓ 1 x CO2 Carbon Dioxide c/w CO2 Sensor.

- ✓ 1 x dedicated emergency Breathing Apparatus (BA) with communication for DDC Chamber operator.
- ✓ 2 x Depth gauges on DDC Control Panel.
- ✓ 1 x Therapeutic gauge on DDC Control Panel
- ✓ 1 x each HP, LP & Oxygen pressure indicating gauges.
- ✓ 1 x each Over pressure relief valves for Main and Entry Lock.
- ✓ 1 x CCTV Monitor with Digital Video Recorder on DDC Control Panel.
- ✓ 1 x Electrical distribution box.

### **Chamber Internal**

- ✓ 1 x each hyperbaric lights on the main & entry locks.
- ✓ 3 x BIBs for the main lock and 2 x BIBs for the entry lock.
- ✓ 1 x each Talkback speaker on the main & and the entry locks.
- ✓ 1 x each Caisson gauges on the main and entry locks.
- ✓ 1 x Hyperbaric fire extinguisher.
- ✓ 1 x CO2 Scrubber
- ✓ 2 x Mattress c/w fire retardant mattress covers.

### **3 Diver Mix/Gas Control and Depth Monitoring Panel**

- ✓ The 3 Diver mix/gas control panel and depth monitoring panel and manages breathing gas supply to the divers via suitable valves, and pipework's, pressure indicating gauges and depth gauges. It is integrated with, two, diver's communication radio, and Audio / Video recording system capable of recording two diver's simultaneously at work.
- ✓ Powder coated, wall mounted mix/gas control panel with logic lines showing all functions for valves and gauges.
- ✓ Pipe works plumbing with stainless steel or Tungam tubing.
- ✓ 1 x Emergency Breathing Apparatus (For Diving Supervisor).
- ✓ 1 x Lot various size Needle Valves.
- ✓ 1 x Lot various size Ball Valves (1/4 turn).



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- ✓ 3 x Flow Meter.
- ✓ 3 x Pressure limiting Valves
- ✓ 1 x Lot Relief Valves
- ✓ 1 x Lot Check Valves
- ✓ 3 x Pressure Reducing Regulator
- ✓ 3 x Depth Gauge
- ✓ 1 x Lot HP Indicating Gauge (0-5000 PSI)
- ✓ 1 x Lot LP Indicating Gauge (0-600 PSI)
- ✓ 1X Lot 90 Micron 'T' Filter
- ✓ 3 x Oxygen Analyzers with Audio/Visual Alarm
- ✓ 2 x 3-Diver's communications radios

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