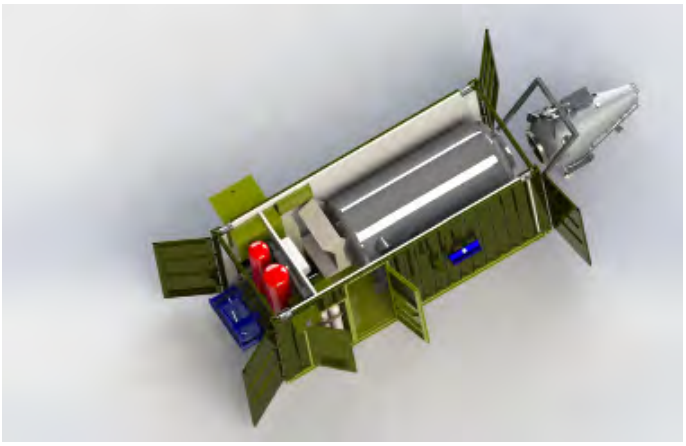
Containerised systems Containerised DDC

IHC Hytech has established a name in containerised diving systems. Complete self-supporting diving units, independent and easy to handle. These units are custom-made to any specification, such as size of the DDC, selection of compressors, etc.

Twenty ft. containers can be used to house the decompression chamber, diving panels, high and low pressure compressors, welding transformers etc. The versatility of these systems is unmatched. For use on offshore rigs we have made an extensive number of explosion-proof pressurized containers with all the necessary equipment.

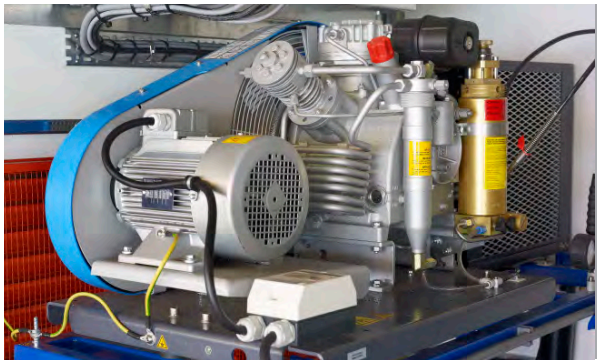


Top view of a containerised DDC with D.A.R.T.

Containerised systems– Containerised DDC

Gas storage and compressors

Low pressure connector with a capacity of 1450 liter per minute at a pressure of 13 bar. This compressor is intended to operate the decompression chamber.



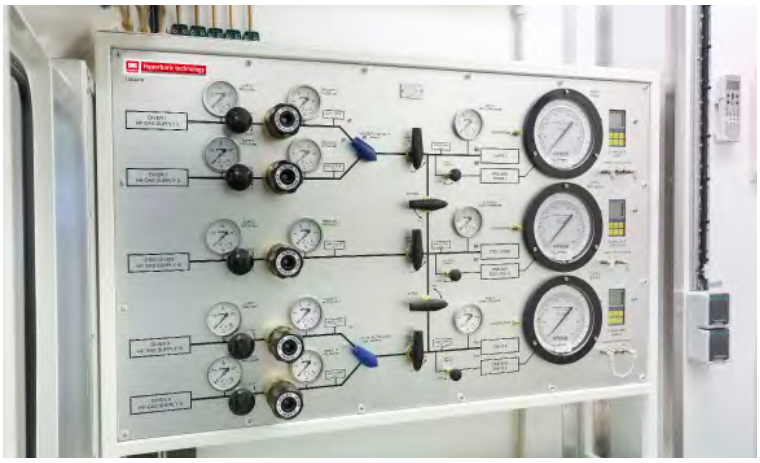
High pressure compressor. In case that the primary air supply stops, because of a power failure or mechanical failure, than the high pressure secondary back up system will take over.

Dive panel

This is a two diver + one standby Air and Nitrox diving control and selection panel. This panel has five gas inlet connections.

The diver gas supply panel performs a numer of tasks:

- Supply breathing gas to the divers
- Monitor the depth of divers and wet bell
- Analyze the composition of breathing gas

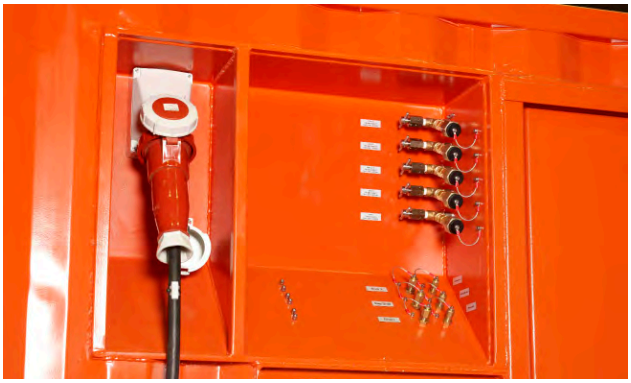


Containerised systems– Containerised DDC

Outside the container

Air conditioner hatch above and the compressor hatch below.

Gas cylinder location.



Power and diver enty panel connections.

Gas supply two oxygen cylinders and reducers.

Containerised double lock decompression chamber (diam. 1800mm)

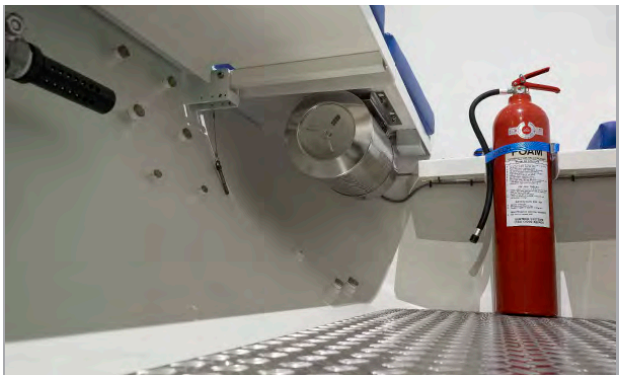
Contol panel at the end of the chamber

Containerised systems– Containerised DDC

Decompression chamber

A 1600 mm decompression chamber inside a 20 ft. container.

The entrance lock. In emergencies the entrance lock can be used as treatment chamber. The main chamber can be used for two patients laying down on the two stretchers, or three patients in sitting position



A fire extinguisher and a CO_2 scubber located inside the main chamber.

The operating control panel, including O_2-CO_2 analyzer, depth and supply gauges, triple timers and a communicator.

IHC Hytech B.V.

Elftweg 3
4941 VR Raamsdonksveer
The Netherlands

T +31 162 52 22 02
F +31 162 51 90 69
www.ihchytech.com
www.ihcmerwede.com