



SUPPLIES & SYSTEM INTERFACES

SYSTEM DESCRIPTION



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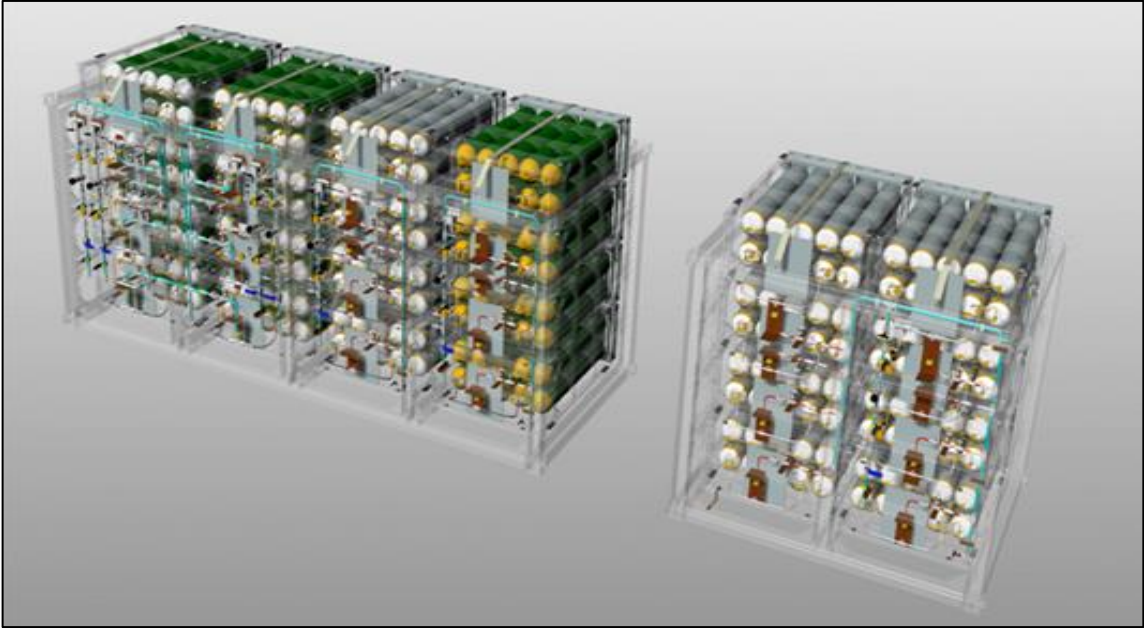
1 SUPPLIES & SYSTEM INTERFACES

3.1 GAS HANDLING SYSTEM

The Gas Handling system can be divided in 3 parts: the gas panels, the permanent gas storage and the gas transfer system. It is designed according to the following assumptions:

1.1.1 Gas panels

A set of panels and manifolds adequately located throughout the system allow to carry out the routine tasks of gas handling, mix selection storage, containers collection, onboard reserves filling, distribution to SDC and RCC control panels, O2 pressure regulation. The gas storage manifold has spare ports for the connection of portable container.



1.1.2 Permanent gas storage

The gas storage will be detailed according to the customer requirements. The total volume depends on the diving system operations which the customer specified.



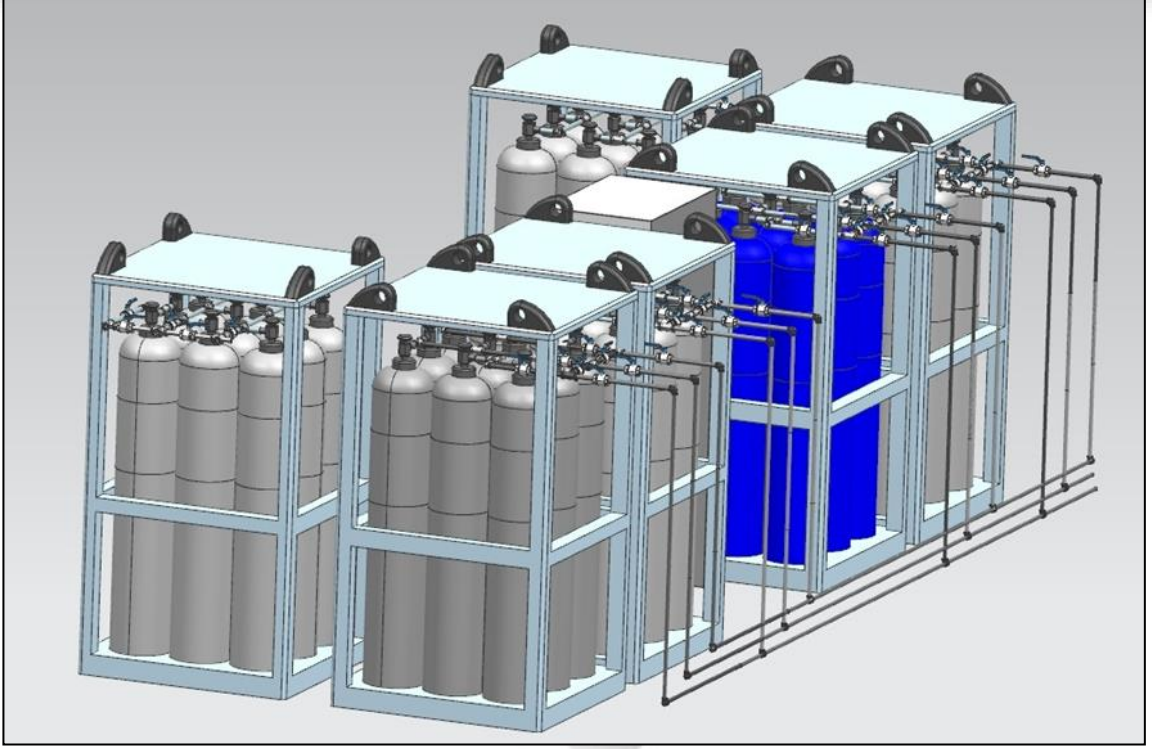
1.1.3 Gas transfer system

As for the gas storage, the gas transfer system is :

The system is composed of:

- Two H.P. compressor: suitable for breathable air and HELIOX (O2 content lower than 25%), output pressure: 200 bar max
- Two gas panels
- Two O2 analyzer with alarm to read area atmosphere
- Complete filtration system





1.2 GAS TREATMENT CONTAINER (OPTIONAL)

1.2.1 Gas Reclaim Unit

- Diver gas reclaims system: to recover, process and reuse mixes exhaled by the divers. Will be consisting the following units
- 2xBoosters
- Helium bags according to ship specifications
- 2x Filtration units
- 2xBlenders
- Volume tanks if needed after the blender.