



A Member of the American Marine Services Group

Air/Mixed Gas Diving Spread



Complete Containerized Dive System

***Ready for Fast Mobilization.
Ready for Deployment Anytime.***

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EXCELLENCE IN OPERATIONS™



American Marine's Air/Mixed Gas Diving Spread is designed and built to support safe and efficient diving operations up to 300 FSW. It is a state-of-the-art system, precisely maintained to the best of conditions – ***ready to be deployed at any time.***

The system was built to meet an IMCA Audit, ADCI Consensus Standards, USCG Commercial Diving Operations, ABS Standards, ASME, OSHA, ANSI, CGA, AFPA, and ISO.



Our Diving System is housed in a series of four 8'x20' seaworthy certified steel modules for fast mobilization/demobilization and flexibility of layout. The modular containerized diving system consists of:

Container No. 1: 54" DDC Module

Container No. 2: Diving Operations Control

Container No. 3: Equipment and Umbilicals

Container No. 4: Launch & Recovery System (L.A.R.S.) with Class II Bell

features...

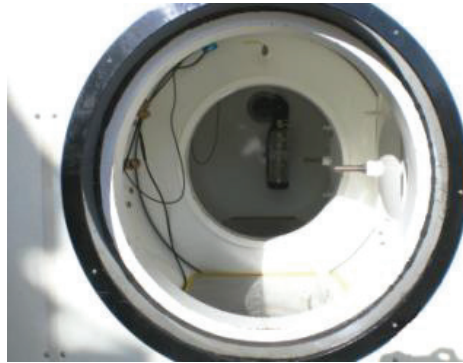
Containers No. 1 and No. 2 are fully insulated, air conditioned, with double doors on each end, steel plate floor and rover covering, lights and outlets.

Container No. 3 has double doors on each end and rubber-coated steel floor plating, plus the umbilical side is fully insulated.

Container No. 4 has double doors on each end and steel plate floor runners for sliding the L.A.R.S. frame in and out of the container easily from either end.

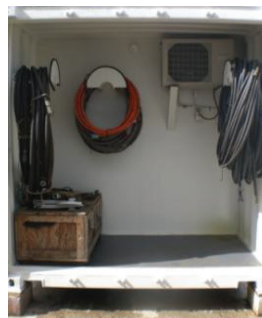
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Container No. 1: 54" DDC Module (6 ton)



- 54" Double-Lock DDC – fully plumbed
- Wall-mounted reducing regulators for HP Air and O₂ – plumbed
- Pressure Vac
- Digital O₂ and CO₂ Analyzers
- BIBs manifold
- Double and Single Hose Inhalators
- Chamber Comm Box (primary and backup) with power supply
- 2-Way Sound-powered Chamber phones
- Twelve (12) 300cf air cylinders; plumbed for six (6) 300cf Med. Oxygen cylinders
- All other auxiliary equipment and supplies to support Chamber operations

Container No. 2: Dive Control (2.8 ton)



2-compartment container

15-foot section:

- 3-diver and bell air and mixed gas control console
- Digital O₂ analyzer
- Audio/Video upright console
- 3-diver video and comms and bell video and comms
- All other auxiliary equipment and supplies to support Dive Ops Control

5-foot section:

- Electric submersible pump plumbed in-line to cool hydraulic oil (in box).
- 3 wall-mounted hose racks for hydraulic, high-pressure and low-pressure hoses, misc. rigging.

Container No. 3: Equipment and Umbilicals (6.25 ton)



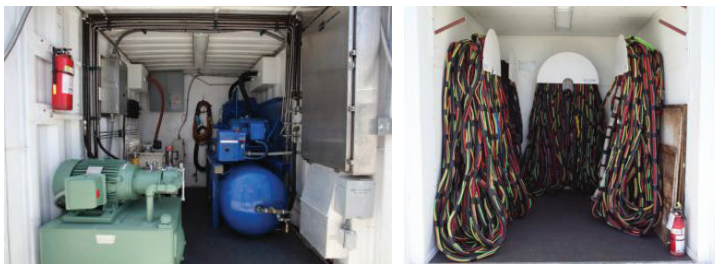
2-Compartment Container

Equipment Section:

- Main electrical distribution panel – 220 volt
- Distribution panel – 110 volt
- LP compressor, electric
- HP compressor, electric
- Primary hydraulic power unit, electric
- All other auxiliary equipment and supplies to support dive operations

Umbilicals Section:

- 660 ft (avg.) 6-part diver umbilical x3
- 400 ft. 6-part bell umbilical
- All other auxiliary equipment and supplies to support umbilicals



Container No. 4: Launch and Recovery System (L.A.R.S.) with Class II Bell (6 ton)



L.A.R.S. (14'9" X 7'9")

Control console:

- Operates the hydraulic boom cylinders
- Operates both the clump and bell winches

U-boom launcher (collapsible)

Backup hydraulic power unit, in-line

Class II Open Bottom Diving Bell:

- With clump weight
- Two-diver diving bell

Additional equipment:

- Two (2) or four (4) 300 cu. ft. gas cylinders
- 1st and 2nd stage auxiliary regulators
- Bell comms, camera and lights

