



RCF6500

The New Standard for Shore Based Recompression Chambers

Currently under construction, the RCF6500 will be the shore based recompression chamber for the 21st century. The RCF6500 was created by the Hyperbaric and Diving Facility Product Line of the Naval Facilities Engineering Service Center (NFESC) with input from Diving Officers and Master Divers. Its features include:

- Twice the volume of a Navy Standard
- Sit down control console
- 48" Inner lock hatch for direct gurney access
- SS bolt-on medlock, mounted on the Control Console
- Automatic BIBS controls for O₂, Specialty Gas, & Air
- 16 Inner lock & 8 outer lock BIBS masks
- NATO Flange for connection to a TRCS
- Hand Held Hose fire system
- Full Environmental Package

The RCF6500 optimizes "lessons learned" from all previous systems. Its features are designed to



provide the safest, most practical, and most advanced shore based diving recompression chamber in the Navy today. The RCF6500 meets all the requirements of American Society of Mechanical Engineers (ASME), and National Fire Protection Association (NFPA). Its design was created with support from the System Certification Authority, and meets all certification requirements.

The RCF6500 is designed to have reduced personnel requirements for normal chamber operations. The control console is divided between areas designated for the Dive Operator, Log Keeper, and Dive Supervisor.

Creating a standard shore based recompression chamber brings many benefits. These include reduced training time (as divers travel from command to command), reduced design and production costs (for successive RCF6500's), and increased reliability (as new divers are more familiar with their systems).

Three RCF6500's are currently under construction, and are slated for delivery to SIMA (Norfolk), COMNAVMAR (Guam), and the Army's Special Forces Underwater Operations School (Key West). The feedback from the diving community has been very positive, and many future RCF6500's are planned. Future RCF6500's are planned for CDU (San Diego), SRF (Yokosuka), NUWC (Keyport) and Commander Fleet Activities (Sasebo).