Overview: The Expeditionary Hyperbaric Chamber System (EHCS) is a lightweight, air-transportable (C-130) recompression chamber for use by Marine combatant divers in expeditionary environments. The sub-systems comprising the EHCSs are: chamber, transport container, Air Supply Rack Assembly (nine air flasks), four oxygen T-bottles, generator, and HP compressor. The EHCS will accommodate up to two divers simultaneously for treatment of Arterial Gas Embolisms (AGEs) and Decompression Sickness (DCS) incurred during combatant diving operations.

Features: The EHCS consists of a Standard Navy Double-Lock (SNDL) recompression chamber housed in an International Organization for Standards (ISO) container and an oxygen/air supply system designed to support training, surface decompression, and recompression treatment operations. An Air Supply Rack Assembly (ASRA) supplies high-pressure (HP) air to the system. Oxygen is supplied from four oxygen bottles that are mounted within the van and can also be supplied by other certified oxygen sources. The EHCS is designed to provide recompression chamber support for the conduct of diving operations, including surface decompression of divers, treatment of divers for DCS and AGE, and hyperbaric oxygen treatment of non-diving related injuries.

Components: Used by GENERATOR SET, DIESE