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MARINE CORPS SYSTEMS COMMAND PROGRAM MANAGER INFANTRY COMBAT EQUIPMENT



EXPEDITIONARY HYPERBARIC CHAMBER SYSTEM

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 high-pressure (HP) air compressor. The EHCS will accommodate up to two divers simultaneously for treatment of Arterial Gas Embolisms (AGE) 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 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 decompression sickness and arterial gas embolism, and hyperbaric oxygen treatment of non-diving related injuries.

Components: Used by: GENERATOR SET, DIESE

Approved Acquisition Objective (AAO):

UNIT	AAO
I MEF	1
II MEF	1
III MEF	1
MARFORRES	1
MARFORCENT	0
MARFORSOC	2
WRMR	0
DMFA	0
SPT EST	0
TOTAL	6

Concept of Distribution: Organic to Active and Reserve Marine Reconnaissance Battalions, Force Reconnaissance Companies, and Marine Raider Regiments and Battalions.

Fielding Status: Fielding complete

Requirements Document: Combat Development and Integration (CD&I) Requirements Validation Letter, dated 11 Jan 06

Training: N/A

Manuals: SS500-B1-MMO-010 205 500110 00
NAVSEA SS521-AA-MAN-010 207 012746 00

Supply/Logistics:

Nomenclature: EXP HYP CHMB SYS
TAMCN: C00377B
ID No: 11368A
NSN: 4220-09-000-4449
SAC: 3
AAC: A
IED: 1 Oct 2022

Contact Information: PM_ICE@usmc.mil

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PRODUCT INFORMATION SHEET