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MARINE CORPS SYSTEMS COMMAND PROGRAM MANAGER INFANTRY COMBAT EQUIPMENT



UNDERWATER BREATHING APPARATUS MK-25

Overview: The MK 25 Mod 2 Underwater Breathing Apparatus (UBA) is a self-contained, closed-circuit, oxygen UBA designed for use in shallow water operations where concealment of surface exhaust bubbles is essential. The UBA is worn on the diver's chest with the breathing bag in the same relative position as the lungs. The UBA provides a diver with oxygen; the exact time will depend on the individual diver's rate of breathing, water temperature, and their depth in the water column.

Features: The breathing gas flows from the oxygen cylinder through the reducer and the automatic demand valve into the breathing bag. High-pressure gas goes to the pressure gauge, while intermediate (low) pressure gas goes to the demand valve. The swimmer inhales gas from the breathing bag and exhales into the soda lime canister (scrubber) where carbon dioxide is removed. Purified gas returns from the canister to the breathing bag to repeat the cycle. The MK 25 Mod 2 UBA weighs 27-31 lbs., which is dependent on the configuration for warm or cold-water diving and is neutral in the water. Operating times are primarily dependent on the individual diver and canister duration for the temperature of the water. Operational time is between 3-3 1/2 hours.

Components: The MK 25 Mod 2 UBA consists of the equipment housing, pressure regulator (reducer), associated piping, demand valve, respiratory (breathing) bag, and soda lime canister (carbon dioxide scrubber). The oxygen cylinder, inhalation and exhalation hoses, and the mouthpiece valve are external principal components.

Approved Acquisition Objective (AAO):

UNIT	AAO
I MEF	83
II MEF	83
III MEF	100
MARFORRES	80
MARFORCENT	0
MARFORSOC	150
WRMR	0
DMFA	0
SPT EST	50
TOTAL	546

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

Fielding Status: Fielded

Requirements Document: Statement of Need (SON) for UBA, dated 16 Jan 06

Training: N/A

Manuals: SL-3-09659A	123 096590 00
TI 4220-OI	167 422000 00
TM 09603B-14&P/1	184 096031 00
TM 10426A-12&P	184 104260 00
TM 10759A-14&P	184 107590 00
SS500-AR-0MI-010/9N865 REV 2	207 012721 00

Supply/Logistics:

Nomenclature: MK 25 MOD 2 UBA
TAMCN: C41852E
ID No: 09603B
NSN: 4220-01-446-2993
SAC: 3
AAC: C
IED: 1 Oct 2021

Contact Information: PM_ICE@usmc.mil

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PRODUCT INFORMATION SHEET