



Stealth CDLSE

Clearance Diver's Life Support Equipment



INTRODUCTION

Stealth Clearance Diver's Life Support Equipment (CDLSE) is part of the highly successful and operationally proven range of Stealth Closed Circuit Mixed Gas Underwater Breathing Apparatus (UBA).

OPERATIONS

Through the incorporation of modern materials, safety critical control systems and the very latest thinking in UBA design and material selection, Stealth CDLSE has repeatedly set the standard in military UBA performance. Today CDLSE represents the benchmark of "state of the art" Mine Countermeasures Explosive Ordnance Disposal (MCM EOD) underwater life support technology. It offers increased levels of diver safety, equipment reliability, maintainability, operational capability and mission versatility.

PROVEN DESIGN

Stealth CDLSE boasts a proven track record in a range of operational and environmental conditions. Following competitive evaluations by independent government defence evaluation agencies and end user organisations, Stealth CDLSE is now in service with numerous prominent navies.

The requirement to meet NATO AEODP-7 Class A (STAN-AG 2897) without compromise is an operational necessity. Stealth CDLSE fully meets these requirements under both static and dynamic test conditions in all attitudes and for all components that may come into contact with magnetically sensitive ordnance. Stealth CDLSE surpasses the low acoustic test requirements of NATO STANAG AMP15.

CDLSE functions by analysing the breathing gas, and, through the automatic addition of 100% Oxygen, the Partial Pressure of Oxygen (PO₂) is accurately maintained at a preset level, dependent on depth.

Using three independent Oxygen sensors (micro fuel cells), CDLSE control system rapidly and accurately responds to changes in life control system status. A Diluent gas (Air, Heliox or Trimix) provides gas volume within the closed circuit primary breathing system, whilst Carbon Dioxide (CO₂) from exhaled gas is absorbed by the long duration scrubber unit.

KEY FEATURES



Non Magnetic



Low Acoustic



100m Depth



3-5 Hour
Duration

OPERATIONAL VERSATILITY

Stealth CDLSE is a multi-mission underwater life support system providing a common platform to meet a range of operational roles throughout the water column. As a result of this unique flexibility, Stealth UBAs are employed in the following operational roles:

- Mine Countermeasures Explosive Ordnance Disposal to a depth of 60msw using an air diluent.
- Deep Mine Countermeasure Explosive Ordnance Disposal to a depth of 100msw using Heliox / Trimix
- Submarine Rescue to a depth of 100msw using Heliox / Trimix.
- Very Shallow Water Mine Countermeasures Explosive Ordnance Disposal (VSW MCM EOD).
- Special Operations Forces (SOF).

ACCESSORIES

Stealth CDLSE can be tailored to suit specific mission requirements via the use of the following accessories:

- Simple harness.
- Bite mouthpiece and half mask.
- Dual Mode Bite Mouthpiece Assembly.
- Buoyancy compensation device with weight pockets
- Open circuit bail-out options.
- Full Face Dual Mode Mask.
- External Breathing System bailout option.
- Surface supply bailout options.