



# Stealth SC

(Semi-Closed Circuit Mixed Gas Underwater Breathing Apparatus)



For more information

Stealth SC (Semi-Closed) is a product of the highly successful and operationally proven range of Stealth Underwater Breathing Apparatus (UBA).

Stealth SC is a back worn semi-closed circuit mixed gas UBA that is designed for Mine Countermeasures (MCM) Explosive Ordnance Disposal (EOD) operations to a maximum depth of 54 msw using nitrox gases.

## Performance

- 60m using trimix or heliox gases
- 54m using standard NATO nitrox gases
- Brief excursions to a maximum depth of 6 msw on 100% O<sub>2</sub> with short duration excursions to 15 msw (dependant upon local oxygen exposure regulations)
- Breathing performance to UK HSE / EN standards
- Operating temperature -20°C to +49°C
- Sea temperature operation -1°C to 37°C
- Fresh water temperature operation 1°C to 37°C
- Non magnetic to NATO STANAG 2897 A / AEODP-7
- Low acoustic
- Integrated Oxygen Partial Pressure (PO<sub>2</sub>) monitor and decompression computer

## Specification

Weight*	15 kgs
Dimensions*	500 x 365 x 150mm
Scrubber Capacity	3.5 kgs (Molecular Products Sofnalime 797 Grade 812 Mesh)
Working Pressure	300 bar

\*basic unit - dependent upon customer configuration



**Stealth SC is the ideal apparatus for conducting MCM and EOD operations where simplicity, ease of use and ruggedness are a necessity.**



Gas is stored in a back mounted twin 2 litre cylinder assembly, which is monitored by a pressure gauge and is supplied to the breathing circuit via an adjustable Constant Mass Flow (CMF) metering valve. Additionally gas is also supplied to a demand valve that automatically provides counterlung volume during descent, whilst serving as a manual gas addition (bypass) valve.

### eXternal Breathing System

The eXternal Breathing System (XBS) has been designed for use with Stealth SC to provide an alternative source of breathing gas in event of an emergency situation during decompression diving operations or a supply of oxygen for in-water oxygen decompression stops. The XBS is used in a similar manner as a "lazy shot" and provides a diver station during decompression.

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