

MCM100 EXTERNAL BREATHING SYSTEM (XBS)



OPERATIONAL CAPABILITY

Avon Protection's External Breathing System (XBS) has been developed to support extended military diving operations across a range of depth/time profiles. The XBS is specifically designed to provide additional off-board open circuit bail-out for divers operating the MCM100 rebreather, delivering improved functionality through the use of a quick disconnect system and enhancing diver safety at depth.

SYSTEM FEATURES

- Large independent twin 10 litre, high pressure cylinders for extended duration.
- Option to have two different gas mixtures to aid decompression and improve diver safety.
- Change over valve to switch between gases without having to disconnect.
- Quick disconnect system for rapid low pressure connection with the MCM100s' open circuit bailout-out valve mouthpiece system.
- Optional low pressure ports for additional second stage regulators.
- Individual cylinder high pressure contents gauges.
- Large tactile valve handle for use in cold temperatures and reduced visibility.
- High performance, robust marine grade stainless steel frame.

- Low profile matte black military finish case and frame.
- Twin lifting eyes for secure attachment of in-water lines to support launch, operation and recovery.
- Robust flight case for transport and storage.
- Pressure relieve valves for automatic and manual venting of gas from depth.
- Molle compatible side panels to fit additional pockets for weights or ancillary items (heating systems etc.)
- Unique Quick Connect/Disconnect coupling that allows the diver to easily connect to the XBS system with minimal force, no matter what depth the diver is at.
- Cylinders can be configured for oxygen, air or mixed gas use.

PERFORMANCE

The XBS has been tested in accordance with the EN250 Work of Breathing (WOB) requirement at a breathing rate of 62.5l/min.

Configured with 2 x 10 litre (maximum 300 bar) composite cylinders.

Fully supported by optional Avon Protection training and service packages.

TECHNICAL DATA

Size: 501mm (w) x 702mm (h) x 330mm (d)

Weight: 34kg weight, positively buoyant.

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