

UNDERWATER SUPPORT TECHNOLOGIES**VIPER-SC
Underwater Mine
Countermeasures (MCM)
Diving Apparatus**

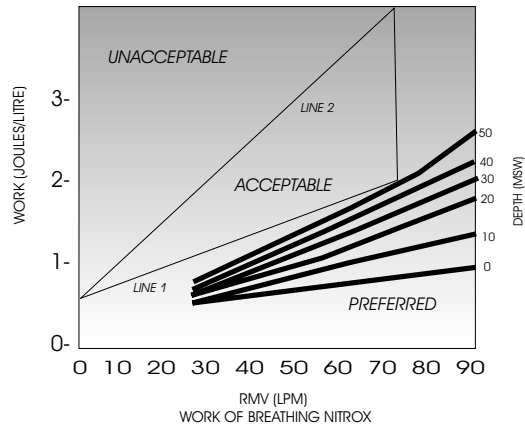
- Low Profile.
- Semi-closed circuit nitrox operation to nominally 55 metres.
- Fully closed circuit O₂ to 8 metres.
- May be upgraded to fully closed circuit electronic gas mixing for 100 metre operations.
- Diver maintainable.
- Quality Control certified to ISO 9001.
- Available in fully non-magnetic and acoustically safe configuration to strictest NATO specifications.

**APPLICATIONS**

The SIVA VIPER is a low profile, self contained back mounted rebreathing apparatus developed specifically for MCM and covert

**FEATURES**

- Based on proven SIVA 55 technology.
- Dual mode - Semi-closed or closed circuit.
- Automatic (demand) and constant mass flow gas injection.
- Field maintainable by divers - factory maintenance not required.
- Proven from Arctic to Tropical environments.
- Finger tight fittings and DIN charging connections.
- Low volume cartridge style scrubber - 4 hours at 0°C.
- Fits variety of face masks.
- Counterlung is impervious to UV radiation, rot, mildew and hydrocarbon fuels.
- When fully inflated, the B.C. supports the diver in a head-up position on the surface.



Guidelines for the Evaluation of Breathing Apparatus for use in Manned Underwater Operations in Petroleum Activities - Norwegian Petroleum Directorate/Department of Energy (UK) (Den) 1991; ISBN 82-7257-308-3

Technical Data:

- Depth: 0 - 55 metres Semi-Closed Mixed Gas
(subject to local regulations).
0 - 100 metres Electronic Controlled Closed Circuit Option.
- Duration: Mixture / Mode Dependent -- Max. of 4 hours.
- Dimensions: Length: 50 cm.
Width: min: 19 cm (at top).
max: 40 cm (at hips).
Depth: 19 cm.
- Weight: 22 kg. dry weight; Neutral in seawater.
- Gas Control: Constant mass flow in semi-closed mode plus automatic injection on demand.
Electronic Controlled Closed Circuit mode (Option).

Accessories and Optional Equipment:

- Conversion Kit to fully closed electronic version.
- Calibration instruments in high impact case.
- Low Magnetic tool kit.
- High Impact transit case or nylon carry-all bag.
- Maintenance spares kit.
- Supplementary gas flask assembly for extended operations or bailout.
- SIVA Buoyancy compensator kit.
- Lightweight Surface Supply Kit (for non-magnetic surface supplied diving).
- Underwater quick connector for external gas supply.

Please consult factory for more detailed technical data, options, accessories and custom features available to suit specific customer requirements.

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