

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

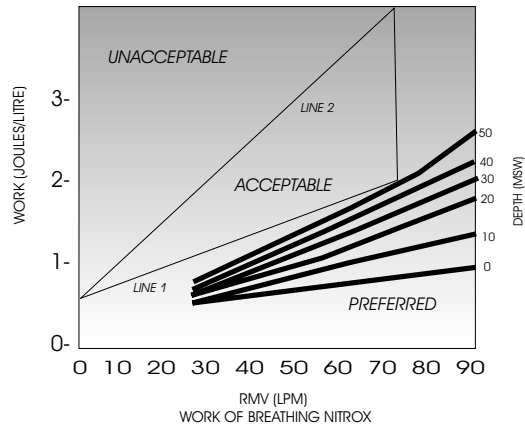
- **Low Profile.**
- **Semi-closed circuit nitrox operation to nominally 55 metres.**
- **Fully closed circuit O<sub>2</sub> to 8 metres.**
- **May be upgraded to fully closed circuit electronic gas mixing for 100 metre operations.**
- **Diver maintainable.**
- **Quality Control certified to ISO 9001.**
- **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.

**CARLETON**

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