

UNDERWATER SUPPORT TECHNOLOGIES

SIVA 55

Underwater Mine Countermeasures (MCM) Diving Apparatus

- Semi-closed circuit nitrox operation to 55 metres.
- In service with Navies world-wide; proven from the Arctic to the Equator.
- Fully closed O2 to 8 metres.
- Diver maintainable.
- Non-magnetic and acoustically safe configuration to strictest NATO specifications.
- Quality Control certified to ISO 9001.



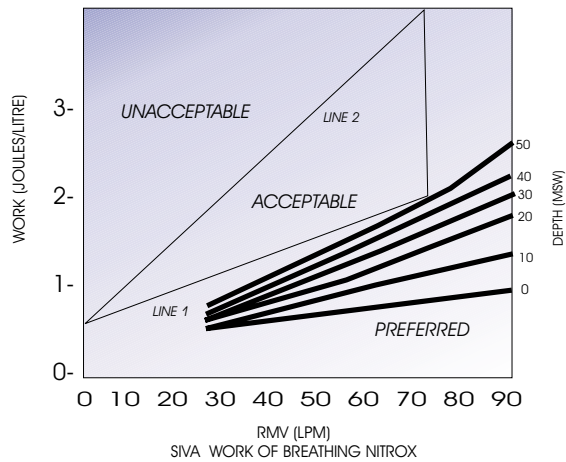
APPLICATIONS

The SIVA 55 is a self contained-rebreathing apparatus developed specifically for underwater MCM and covert closed-circuit O2 operations.



FEATURES

- Dual mode - Semi-closed or closed circuit.
- Automatic injection of gas on demand or mass flow.
- Field maintainable by divers - factory maintenance not required.
- Finger tight fittings - Yoke or 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.
- On the surface, the diver is supported in a face-up position.



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: 55 metres Semi-Closed Mixed Gas.
(Subject to local regulations).
- 95 metres (When upgraded to SIVA+).
- Duration: Mixture Dependent - Max. of 4 hours.
- Dimensions: Length: 61 cm.
Width: 37 cm.
Depth: 19 cm.
- Weight: <29 kg. dry weight; Neutral in seawater.
- Gas Control: Automatic O₂ injection in closed circuit mode if fitted with optional counterlung demand valve.
Fixed mass flow in semi-closed mode plus (optional) automatic by-pass injection.

Accessories and Optional Equipment:

- SIVA+ Conversion Kit. (converts from SIVA 55 to SIVA+).
- Calibration instruments in high impact cases.
- 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).
- Counterlung demand valve (automatic by-pass).
- 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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