

A full-page background image of a diver in a black wetsuit and mask, equipped with a rebreather system, floating in water. The diver is holding a knife in their right hand.

CS

STEALTH

MULTI-ROLE

THE FUTURE OF MILITARY DIVING
HAS ARRIVED...



PROVEN LEADERSHIP IN MILITARY DIVING

*JFD is the world's leading underwater capability provider,
trusted by navies globally.*

JFD designs and manufactures world-renowned, innovative and uniquely capable underwater Life Support Systems, offering the highest levels of safety and operational performance.

Leveraging over four decades of proven expertise, we are proud to introduce Stealth Multi-Role, our redefined multi-role, modular system, an evolution of the world's most trusted Life Support System unlocking a new depth of capability, flexibility, safety and efficiency.

Continual design evolution in response to customer specific requirements ensures our rebreathers continue to offer unparalleled levels of safety, performance and capability across a broad mission spectrum and remain the underwater Life Support System of choice for Special Operations and MCM divers around the world.

40 years of leadership.
Now we push boundaries even further.
Extending human capability underwater...


STEALTH
MULTI-ROLE

SOPHISTICATED SIMPLICITY

The evolution of the world's most trusted Life Support System unlocking a new depth of capability, flexibility, safety and efficiency, enhancing manned diving operations for the future.



EXCELS IN
SHALLOW & DEEP
SEA & FRESHWATER



LOW MAG
SIGNATURE /
SHOCK & VIBRAION
TESTING



ELECTRONIC /
SOFTWARE &
MECHANICAL



DIVER SAFETY
REMAINS
PARAMOUNT



FOCUSSED ON
PROVIDING
VALUE FOR
MONEY



ERGONOMICALLY
DESIGNED TO
OPTIMISE FIT



DESIGN DRIVERS

DEPTH

COVERT

DURABLE

MODULAR

COMPACT

CONFIGURABLE

LIGHTER

DURATION

FLEXIBILITY

ADAPTABLE

ERGONOMIC

NON-MAGNETIC

WHAT MAKES SMR SPECIAL?

- Ultra low acoustic & magnetic signature
 - Extended mission duration – up to 12 hours
 - The deepest Closed Circuit defence rebreather – 120msw
 - Modular set provides commonality; ease of inventory management; flexibility for mission set up
- Rapid and simple pre / post-dive and ongoing maintenance procedures
 - Reliability through proven assured availability processes
 - Sophisticated software providing ease of use and management
 - Designed by divers for divers.

STEALTH MULTI-ROLE REBREATHER

COMPONENT OVERVIEW



KEY

- 1. Covert Cover
- 2. CO₂ Scrubber
- 3. Electronic Control & Monitoring System (ECMS)
- 4. Battery
- 5. Oxygen Supply Cylinders
- 6. Moulded Chassis
- 7. Counterlungs (Inhale/Exhale)
- 8. Sensor Pods
- 9. Secondary Breathing System (SBS)
- 10. Dual Mode Bite Mouthpiece (DMBMA)
- 11. Full Face Mask w/LED Status HUD
- 12. Buoyancy Compensation Device (BCD)
- 13. Hand Display

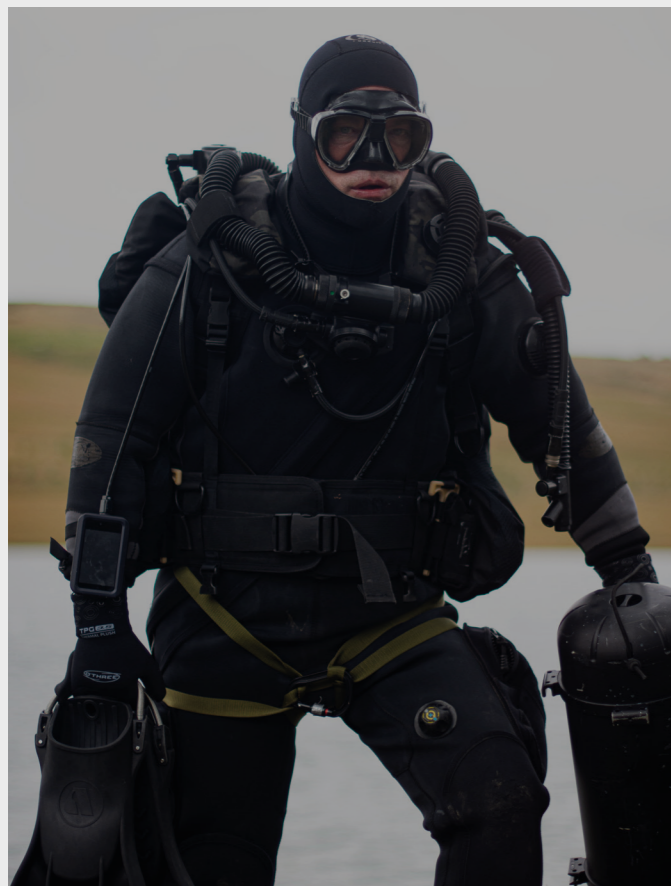
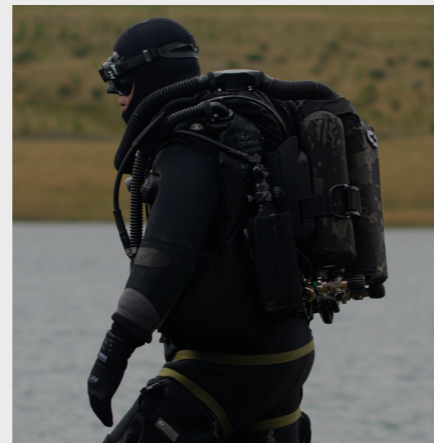
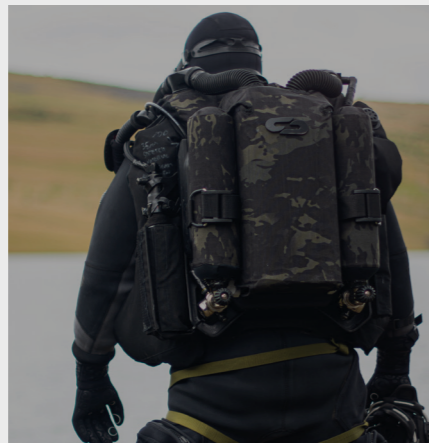
TECH SPECS AT-A-GLANCE

PERFORMANCE	Overall Dimensions (With 5L SBS)	Height 800mm (560mm without 5L SBS) / Width 400mm / Depth 220mm
	Mass	28.4kg (18kg - SMR Basic set, 3.4kg - Scrubber fill, 1.5kg - PBS Gas 2x2L @300bar, 5.5kg - 5L SBS system (charged))
	Maximum operating depth (msw)	120 Heliox/Trimix diluent
	CO ₂ Scrubber duration	Standard Duration - up to 260 mins Extended Duration - up to 12 hours *Options
	Air temperature	Operating: -20°C to +55°C Storage: -30°C to +70°C
	Storage temperature	-30°C to +70°C
	Air temperature operation	Operating: -20°C to +55°C Storage: -30°C to +70°C
	Seawater temperature	-2°C to +38°C
	Freshwater temperature	1°C to +35°C
	Maximum safe pressure	300 bar Oxygen / Diluent

CERTIFICATIONS	EN 14143:2013	Respiratory equipment – Self-contained re-breathing diving apparatus
	EN 250:2014	Respiratory equipment. Open-circuit self-contained compressed air diving apparatus.
	EN 1809:2014	Diving equipment. Buoyancy compensators. Functional and safety requirements, test methods
	MIL-STD-810H	Environmental Engineering Considerations and Laboratory Tests
	MIL-STD-1330E	Change 1 Precision Cleaning and Testing of Shipboard Oxygen, Helium, Helium-Oxygen, Nitrogen, and Hydrogen Systems
	NATO AEODP-7	Explosive Ordnance Disposal Equipment Requirements and Equipment.
	NATO AMP-15	Standards for Naval Mine Warfare Acoustic Measurements
	IEC 60335	Household and similar electrical appliances - Safety
	UN 38.3	Classification of lithium metal and lithium ion cells and batteries



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STEALTH MULTI-ROLE REBREATHER

IN-SERVICE SUPPORT



MAXIMISING OPERATIONAL AVAILABILITY

For diving defence systems, operational availability is mission-critical. Our in-service support framework is designed to minimise downtime and ensure the system is always ready when required. By combining robust hardware, global servicing capability, and proactive lifecycle support, we deliver sustained readiness where it matters most.

BUILT FOR LONGEVITY

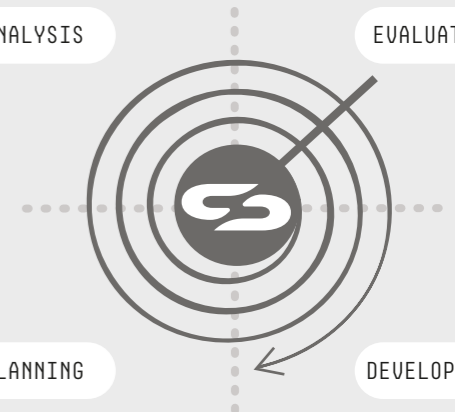
The hardware has been engineered with future spiral development at its core. This design philosophy allows for continual upgrades and technology insertion, ensuring the system remains effective, adaptable, and operationally relevant over the long term.

ANALYSIS

EVALUATION

PLANNING

DEVELOPMENT



OPTIMISED MAINTAINABILITY

Simplicity and serviceability are built into the design. With components optimised for ease of access and maintenance, the system reduces through-life costs and supports faster turnaround during routine servicing or fault rectification.



GLOBAL SERVICE NETWORK

JFD has a proven track record supporting delivery, integration, and ongoing Through-Life Support to customers around the world through a network of established centres of excellence. This ensures systems are maintained, mission-ready, and backed by local capability.



Precision Assembly



Ongoing through-life Support



Upgrades



Training



Servicing & Maintenance



Delivery & Integration



Repairs



Assigned POC



TRAINING, SPARES & REPAIRS

We deliver comprehensive training packages, supported by readily available spares and rapid repair services. Obsolescence management is built into our supply chain strategy, ensuring long-term availability of critical parts and a seamless transition to updated solutions where required. This proactive approach gives operators confidence that support will be maintained across the product lifecycle



MISSION READY INTEGRATION

Stealth Multi-Role has been purposefully engineered to be unobtrusive and mission-focused, allowing divers to operate without interference or unnecessary bulk.

Its compact profile, streamlined shape, and low snag-point design minimise drag and ensure the set does not hinder movement, particularly during embarkation or disembarkation from a craft. The counterlungs have been positioned higher, over the shoulders, to significantly improve the diver's forward field of view.



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James Fisher and Sons plc
Pioneering Sustainably

