



Self Propelled Hyperbaric Lifeboats

12, 18 & 24-man





Introduction

JFD combines the capability, experience and history of Divex, James Fisher Defence, National Hyperbaric Centre and LEXMAR positioning itself as the world's largest and most technologically advanced manufacturer of Saturation Diving Systems and associated equipment for both the military and commercial diving industries.

JFD manufactures a range of Self Propelled Hyperbaric Lifeboats (SPHLs) for the commercial diving industry which combine proven, high quality internal chambers and life support equipment with specialist hull construction. JFD SPHLs are engineered to 12, 18 and 24-man configurations rated up to 600m.

Designed to provide the highest level of safety and performance during an emergency evacuation, JFD SPHLs can be supplied compliant with NORSOK, ABS, DNV, IMCA and Lloyds Register based on customer specification.

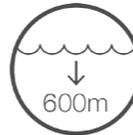
Requirement

Saturation Diving Vessels require a rescue contingency for their divers in the form of a hyperbaric lifeboat (HLB).

In the event of an emergency evacuation, hyperbaric lifeboats accommodate saturation divers for up to 72 hours using on-board life support during which time the vessel is transported to a facility where the divers can be safely decompressed.



12, 18 and
24-man



Rated up to
600msw



Fully
compliant





Capability

JFD has supplied over 135 integrated and modular saturation diving systems, with associated SPHLs, to clients around the world for the past 40 years which includes some of the most advanced systems in existence.

Broad Offering

JFD legacy companies each have specialist heritage in the provision of products and services for saturation diving systems. JFD combines these areas of expertise allowing us to support any client requirement, from manufacture through to maintenance and operation.

Flexibility

JFD prides itself on its flexibility, robust designs and advanced engineering. This allows us to work alongside our clients in order to engineer a practical, efficient and cost effective solution which suits all requirements and specifications.

Quality

JFD's Divex brand equipment is renowned for its innovation, operational advantages and quality which greatly enhance functionality and performance.

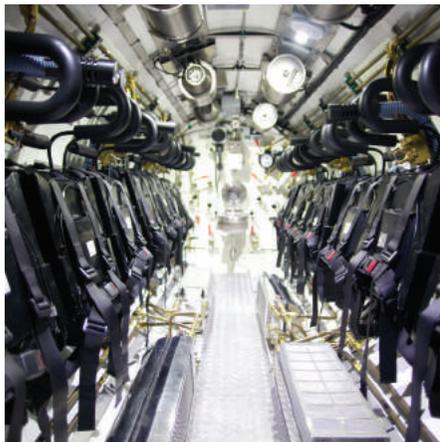
Since 1987, Vanguard has been dedicated to the manufacture and supply of trusted and reliable lifeboats and has developed a range of high quality vessels which are at the forefront of life saving innovation and technology.

Extensive testing is carried out on all JFD products ensuring quality and reliability as well as compliance with the latest industry standards. JFD SPHLs undergo speed, overload, self-righting, drop and impact tests as well as the necessary pressure and hyperbaric testing requirements.

Aftercare

We provide full servicing and maintenance support packages on all our equipment. Our experienced technicians are fully qualified to the latest offshore standards.

JFD has bases around the world which includes LEXMAR in Singapore, allowing us to offer customers a reliable global support capability.





Offering

Through a recent joint venture alongside Vanguard, JFD has increased its capability and is now able to deliver a new generation of hyperbaric lifeboats.

The new range combines JFD's proven hyperbaric and chamber design with specialist hull design from Vanguard, creating a range of vessels which greatly improve the chances of a successful, safe recovery and decompression of the divers.

Standard configurations include 12, 18 and 24-man SPHLs which can be rated up to 600msw.

	12-man	18-man	24-man
			
Model Number	VG9.50HLB / HLB156 Series	VG10.50HLB / HLB150 Series	VG13.00HLB / HLB152 Series
Manufacturer	JFD		
Classification Society	Det Norske Veritas (DNV), Lloyd's Register, ABS, BV		
Compliant With	IMO, SOLAS, LSA & NORSOK		
Design Code	PD5500 for Pressure Vessels		
Design Temperature	-40°C / +55°C		
Chamber Diameter	1750mm (internal)		
Working Pressure	20bar - 60bar		
Max Operating Depth	200msw - 600msw		
Life Support Duration	Designed to exceed minimum life support requirements of 72 hours		
Weight Chamber	3500kgs to 10500kgs		
Supplier Hull/Canopy	Vanguard Composite Engineering		
Material Hull/Canopy	Fire retardant glass fibre reinforced polyester		
Dimensions	9.5m x 3.6m x 3.5m	11.0m x 3.6m x 3.5m	12.7m x 3.6m x 3.5m
Release Hook	10Te - 16Te safe launch each		
Hook Distance	8.70m	10.20m	11.90m
Total Davit Load	18,000kg to 30,000kg		
Maximum Capacity	12 divers / 4 crew	18 divers / 4 crew	24 divers / 4 crew
Communication System	JFD Divex		
Colour	Safety orange		

SPHLs can be built to comply with DNV, ABS, NORSOK, IMCA and Lloyd's Register and are subject to vigorous tests and trials as required in order to satisfy the latest industry requirements.

Davit Systems

JFD can provide a range of davit systems which are purpose built for handling payloads in high sea states and hazardous conditions.

Specialist knowledge of the design, manufacture and operation is essential, JFD have a strong heritage in this area regularly producing launch and recovery systems for both the commercial and defence industries.

SPHL davits are typically mounted on the ship's side structure and use a 'dead-ship' stored energy system for autonomous deployment.





JFD is at the forefront of global hyperbaric rescue services and is the leading manufacturer of modular and integrated saturation diving systems. Contact us to discover how we can help support your requirements.

jfdglobal.com

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