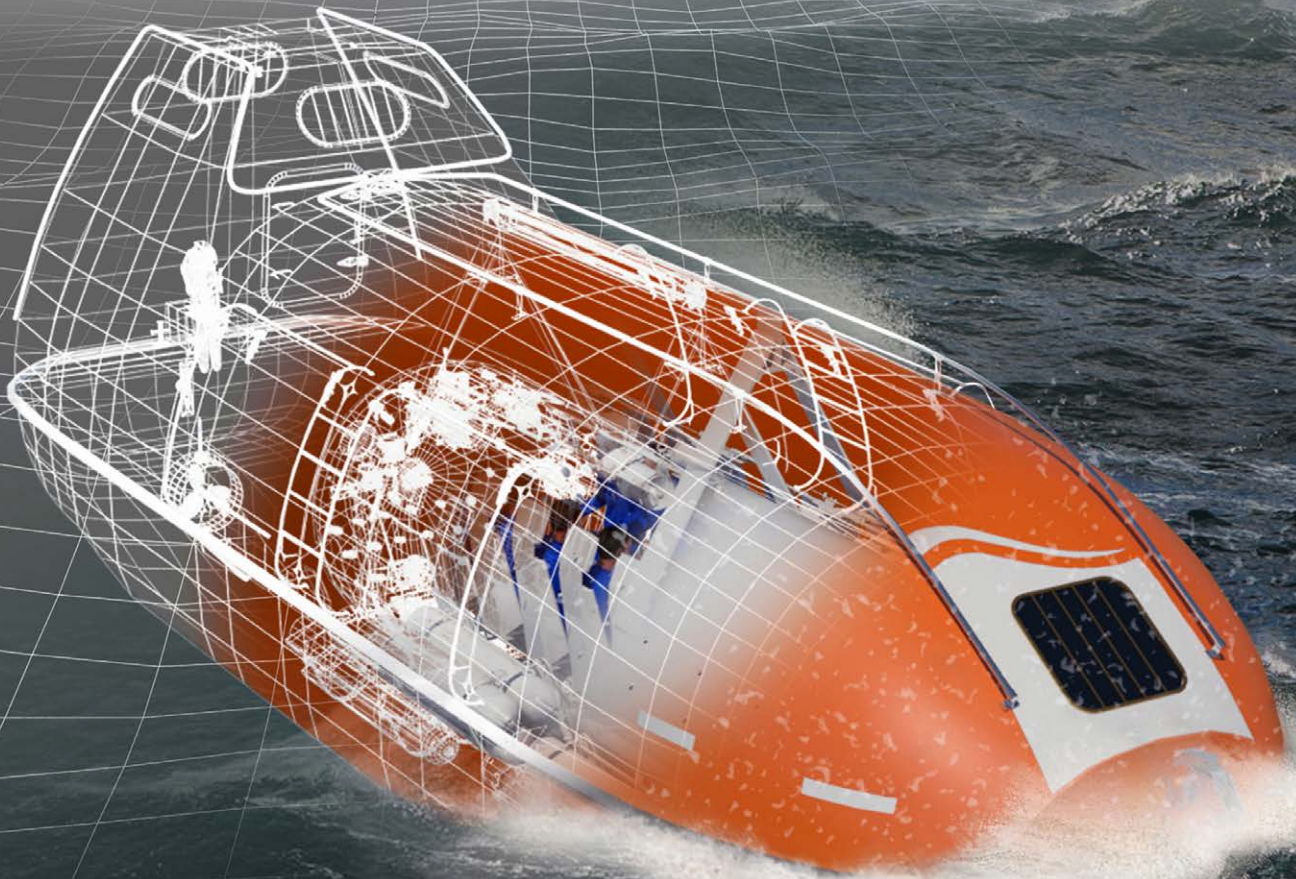


Self Propelled Hyperbaric Lifeboats

12, 18 and 24-man





INTRODUCTION

JFD is the world leading underwater capability provider, serving the commercial and defence markets with innovative diving, submarine and hyperbaric rescue, technical solutions and services, positioning itself as the world's largest and most technologically advanced manufacturer of Saturation Diving Systems and associated equipment.

JFD has partnered with Vanguard to manufacture a range of Self Propelled Hyperbaric Lifeboats (SPHLs) for the commercial diving and defence industries 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 and can be rated up to 500m.

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 SPHL is transported to a facility where the divers can be safely decompressed.



12, 18 and
24-man



Rated up to
500msw



Fully
compliant

COMPLIANT

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



The image shows the interior of a saturation diving chamber. It features rows of blue seats with red safety harnesses. The harnesses have yellow labels that read "Sabelt". The chamber has a white interior with various mechanical components, pipes, and gauges visible. A large circular hatch is at the far end. The lighting is bright and even.

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.



OFFERING

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 SPHLs 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 500msw.

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

	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		
Design code	PD5500 for pressure vessels		
Design temperature	-40°C / +55°C		
Chamber diameter	1750mm (internal)		
Working pressure	20bar - 50bar		
Max operating depth	200msw - 500msw		
Life support duration	Designed to exceed minimum life support requirements of 72 hours		
Weight chamber	3500kgs to 10500kgs		
Supplier hull/canopy	Vanguard Pte Ltd		
Material hull/canopy	Fire retardant glass fibre reinforced polyester		
Dimensions (inc fixtures)	L9.8m x W3.6m x H4.1m	L10.8m x W3.6m x H4.1m	L13.3m x W3.6m x H4.1m
Release hook	10Te - 16Te safe launch each		
Hook distance	8.70m	9.70m	12.20m
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		
Colour	Safety orange		
Propulsion systems	Engine make / main propeller / bow thrusters		

OUR CAPABILITY



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.



QUALITY

JFD 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.



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.

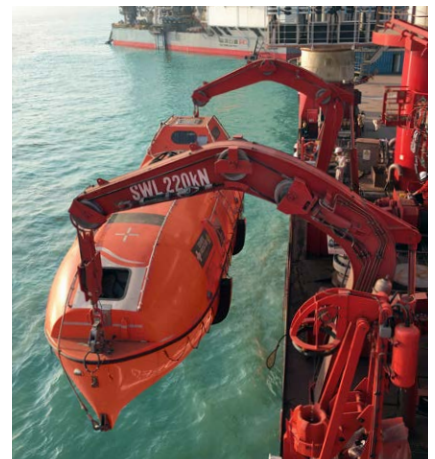


AFTERCARE

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 including UK, Singapore, Australia, South Africa and Sweden allowing us to offer customers a reliable global support capability.





RELATED SERVICES

DAVIT SYSTEMS

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

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

HYPERBARIC RESCUE FACILITIES

Supported by leading hyperbaric specialists, JFD offers the most comprehensive hyperbaric reception packages in the world.

JFD houses the only land based 24-man fixed hyperbaric reception facility in the UK which supports diving operators in the North Sea.

The facility is connected to a DMAC 028 compliant medical chamber which provides the highest level of hyperbaric medical capabilities.

JFD life support and technical staff operate the system on a daily basis - their knowledge and skills are invaluable for a challenging task such as receiving a lifeboat.

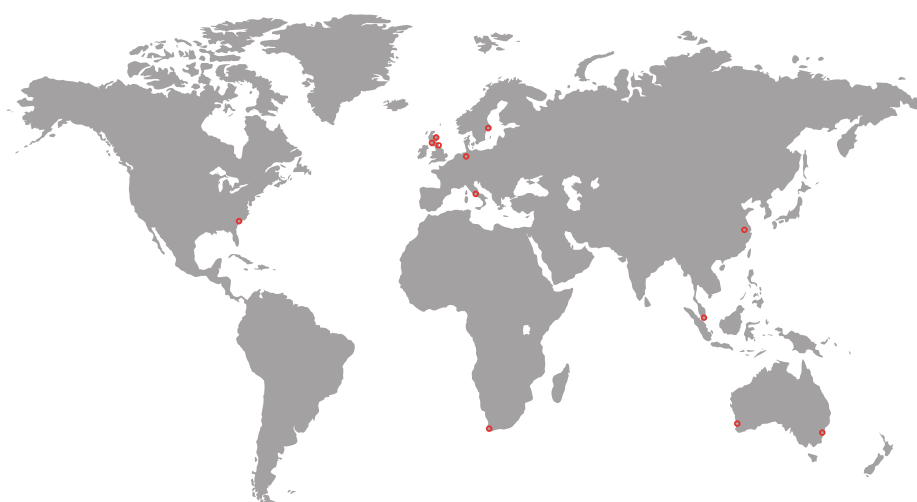
JFD also offers portable hyperbaric reception facilities around the world to support global diving operations as well as operations in remote locations.

The JFD team takes part in regular response training and has performed a number of successful trials which ensure the systems and teams are fully prepared.

AUDITING

Competent technical personnel can be deployed worldwide to carry out auditing and assurance tasks on dive systems and SPHLs.

Each audit carried out will be as per the client's specific requirements as well as in accordance with the International Marine Contractors Association (IMCA)'s standards and International Association of Oil and Gas Producers (IOGP) guidelines.



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