



Emergency Life Support Stores (ELSS) Pods

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INTRODUCTION

JFD's Emergency Life Support Stores Pods are used to transfer supplies to a DISSUB, in order to augment the onboard life support provision until a rescue can be affected.

JFD's machined aluminium pods are designed, manufactured and tested to ANEP/MNEP 85, and fully Lloyd's Register certified.

They are utilised in the escape hatch of a DISSUB to safely receive ELSS Pods posted by an ROV or small submersible or diver without the risk of obstructing the hatch.

JFD Pod Bags are in operation worldwide on an array of different submarine classes.

BENEFITS

JFD's ELSS Pods have a number of beneficial features over other pods in the market:

- **Integrated Lever** - Unlike other pods in the market which require a special tool to open it, JFD's pods are supplied with an integrated lever to allow DISSUB submariners to open the pod. It also reduces the number of loose items.
- **Reduced Length** - JFD's pods are slightly shorter in length for ease of operation within a Rescue Tower.
- **Polyurethane Elastomer Lower Hemisphere Cover** - Designed with operation in mind. The cover allows easier handling and operation to the operators.



JFD has supplied over 30 ELSS Pods to Navies across the world today.



ELSS Pod secured within ELSS Pod bag within an Escape Tower.

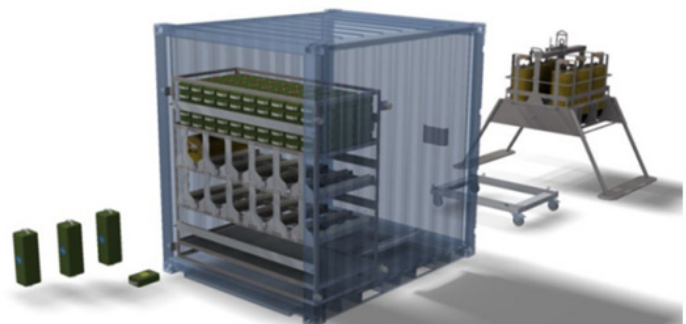
SPECIFICATION

Length	Including handle	970mm
Diameter	Maximum overall diameter	350mm
	Minimum internal diameter	300mm
In Air Weight	<60kg	
Certified Operating Depth	610kg	
Test Pressure	960 msw	
Pressure Hull Material	Aluminium 6082/5083	
ELSS Payload	25kg	
STANAG	ANEP/MNEP 85	
Classification Society	Lloyd's Register Rules and Regulations for the Construction and Classification of Submersibles and Diving Systems	
Pressure Vessel Code	PD5500:2009 Specification for Unfired Fusion Welded Pressure Vessels	

FULL ELSS INTERVENTION CAPABILITY

Additional to the Pods and the housing structure, JFD also supplies:

- **ELSS Pod Bags** - To receive the ELSS Pods within an a tower, a specially designed Pod Bag needs to be installed by the DISSUB Submariners. JFD Pod Bags are in operation worldwide on a array of different submarine classes.
- **ROV Specialist Tooling** - JFD also provides specialist tooling for Remotely Operated Vehicles (ROV).
- **ROV Pod Deployment Crate** - To prevent the need for the ROV to return to the surface a Deployment Crate with pre-loaded can be deployed to the seabed with ELSS Pods. Using specialist tools the ROV can recover and deploy the pods in rapid succession.
- **ELSS Container** - JFD's ISO ELSS Container has been specially designed to house the ELSS, ELSS Pods, Deployment Crate, handling equipment and tools. This allows easy mobilisation with the Intervention system and a safe operation on the back of a vessel in turbulent waters.



JFD ELSS Container is a compact solution providing safe operation and loading of ELSS Pods.