

survitec

# SOLUTIONS CATALOG

AMERICAS - ENGLISH

PROTECTING OVER 1 MILLION LIVES EVERYDAY





### CRUISE SHIPS

Survitec is the market leader in supply and service for innovative marine survival solutions to the full range of sea-going passenger vessels, including the revolutionary RFD Marin Ark2 MES which can evacuate up to 860 passengers



### PASSENGER FERRIES

Survitec can provide the most comprehensive solution package for individual passenger vessels and fleets, including fire detection and safety systems, extinguishers, life-saving appliances and everything else in-between

**WORKBOATS AND INDUSTRIAL**  
Survitec products are built to be as tough as the people who use them, whether they are on land or water, tug or mining operation, our solutions rise to meet the challenge



**OIL & GAS EXPLORATION**  
Survitec professionals apply wide-ranging knowledge and expertise to offer you extensive support, whether you are close to shore or in the North Sea



### COMMERCIAL FISHING

Survitec knows it is harder than ever to make a living harvesting the sea, so we strive to keep your equipment working and safe so you continue to be successful



### FIRE-FIGHTING AND LAW ENFORCEMENT

Survitec creates reliable solutions because we know that during an emergency, our products have to work right the first time, everytime, or lives can be lost

**DEFENSE**  
Survitec understands that those who protect our freedom need the best protection possible, and we provide the most advanced, innovative lifesaving equipment available on the market



**AEROSPACE**  
Survitec engineers tailored solutions that endure and perform at the highest level in the most difficult environments, extending the capabilities of those who push the envelope every day



### YACHTING

Survitec is your one-stop shop for both commercial and leisure craft, including megayachts and superyacht crews who require premium concierge level service for clients and vessel owners who expect nothing but the best



### AVIATION

Survitec supplies private and commercial fixed wing and rotary wing craft with the protective equipment they require, including as survival suits, liferafts, lifejackets, and fire extinguishing systems for use in an emergency

**PROFESSIONAL RACING**  
Survitec supports racing teams, sailing schools and organizations who help advocate for safety and keeping survival equipment serviced and in good working order



**RECREATIONAL BOATING**  
Survitec believes nothing is more important than the safety of your friends and family, so our recreational and commercial products deliver the same quality



# YOUR SURVIVAL. OUR TECHNOLOGY.

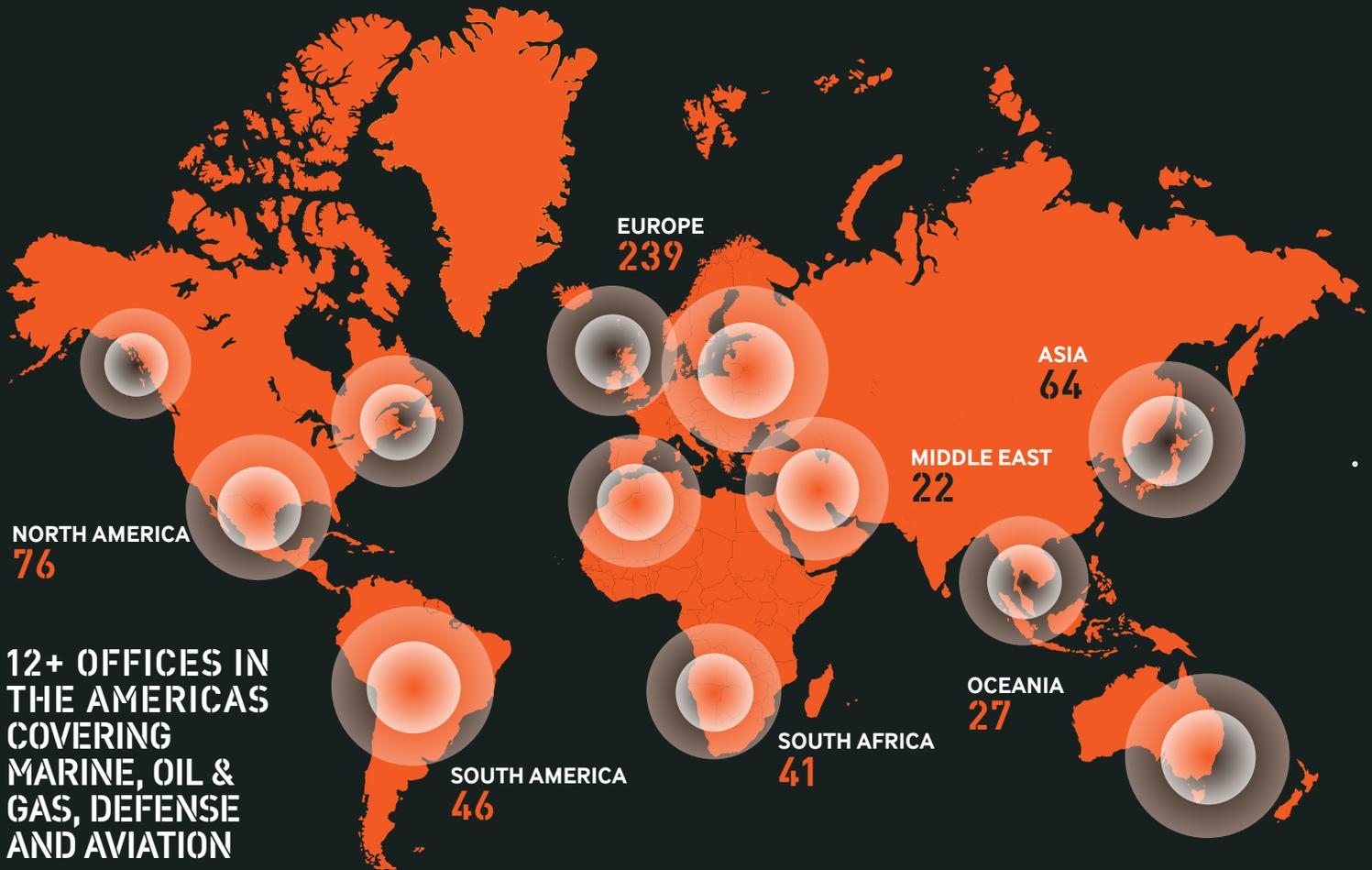


I am very pleased to be part of Survitec which is recognized as the most comprehensive global total solutions provider for mission-critical safety and survival equipment. We offer a full LSA package solution that includes liferafts, mass evacuation systems, rescue boats, lifeboats, davits, personal flotation, fire safety equipment and much more to open new horizons.

Survitec has been helping to save lives at sea for over 160 years. From common-use safety items to products of last resort, our equipment and services are respected and relied upon in all corners of the world.

As innovators with a passion for developing new products and services to meet the changing demands of our customers, we pride ourselves on delivering great service. Although our business interests span many countries and markets, our people share a common mission... your survival.

Franck Palomba  
Vice President and Managing Director - Survitec Americas



**500+ ACCREDITED SERVICE STATIONS AND 3,500 CERTIFIED SERVICE TECHNICIANS COVERING 2,000 PORTS WORLDWIDE**

- 8 WORLD-CLASS MANUFACTURING FACILITIES
- 12 OFFSHORE VESSEL SUPPORT LOCATIONS
- 50 DISTRIBUTION CENTERS
- INTERNATIONAL PRESENCE IN 96 COUNTRIES

**ONE COMPLETE SAFETY & SURVIVAL SOLUTIONS PROVIDER**

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 DENOTES AVIATION-SPECIFIC

Icons and symbols are used throughout this catalog to help readers reference key product supply or approval information. For example, the Survitec site that warehouses inventory and supplies items to other locations and customers is marked nearby the Product # area.

It is color-coded **orange** for U.S. and **light orange** for Canada, along with the first letter of the name of the warehouse location.

Survitec warehouse locations in the U.S. include:

<b>S</b> PRODUCT #	<b>H</b> PRODUCT #	<b>M</b> PRODUCT #
--------------------	--------------------	--------------------

(**S**) Sharon Center    (**H**) Houston    (**M**) Miami

Survitec warehouse locations in Canada:

<b>V</b> PRODUCT #	<b>N</b> PRODUCT #	<b>H</b> PRODUCT #
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(**S**) Vancouver    (**N**) Newfoundland    (**H**) Halifax

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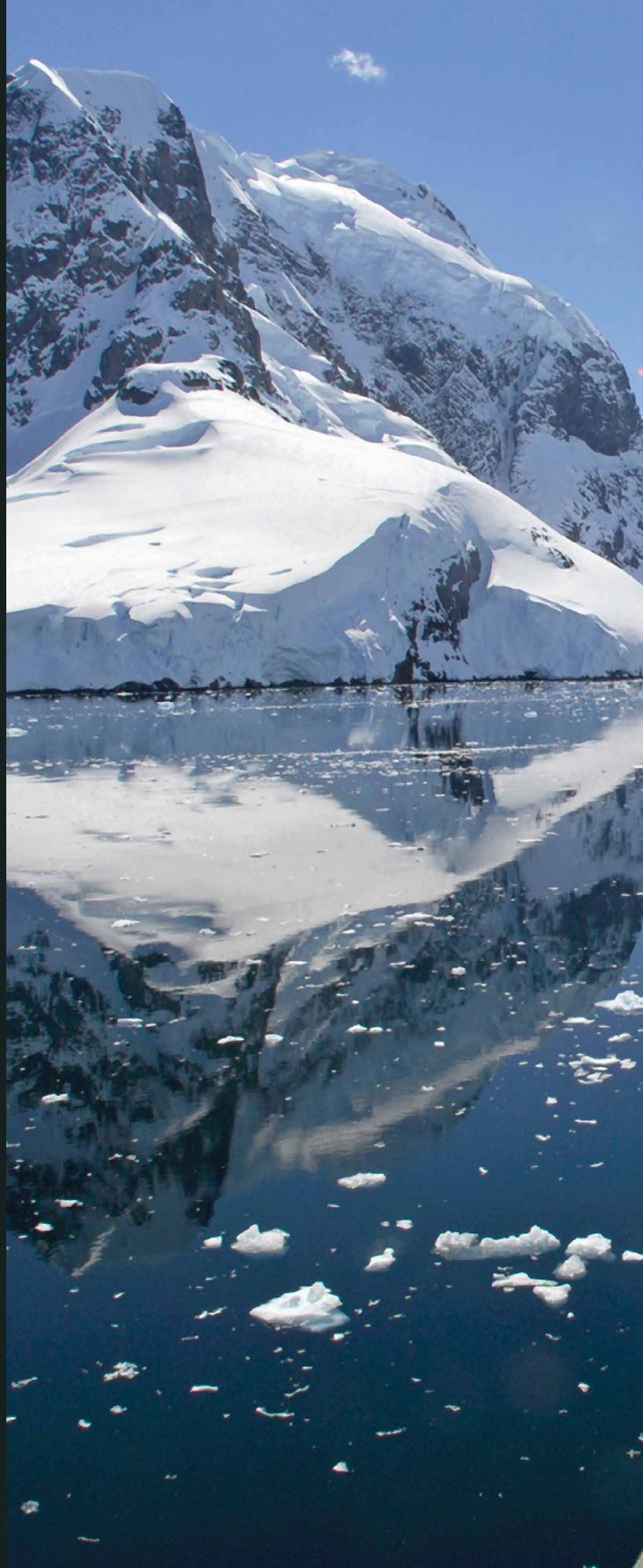
Many items that we offer are legislatively regulated by North America and South America public and private institutions, as well as other international safety organizations. Survitec can provide compliance with these and many other non-listed governing bodies:

- ABS** - American Bureau of Shipping
- CAA** - Civil Aviation Authority
- CE** - European Community
- IMO** - International Maritime Organization
- DNV** - Det Norske Veritas
- EASA** - European Aviation Safety Agency
- FAA** - Federal Aviation Administration
- HSE** - Health & Safety Executive
- ISO** - International Standards Organization
- LR** - Lloyds Register
- MED** - Marine Equipment Directive
- NORSOK** - Norsk Søkkel Konkurransesisjon
- OSHA** - Occupational Safety & Health Administration
- SOLAS** - Safety of Life at Sea
- TC** - Transport Canada
- UL** - Underwriters Laboratory
- USCG** - United States Coast Guard

Specific information on product, type or class approvals that is relevant to each product category is listed in the related Choosing The Right One introduction page for the section. Approval for a particular solution is notated by icon or text, nearby or just above the Product # area.

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In addition to English, this catalog can be made available in other languages such as Spanish, Portuguese and French. If you are interested in receiving an electronic copy of a translated version, please contact our Customer Service team by email.





# SAFETY SERVICE 360

## THE CHALLENGE

Managing safety schedules effectively and staying compliant in an increasingly tough regulatory climate is a major challenge for owners and operators

Random and uncoordinated management of safety services can be costly and risky with non-compliance resulting in penalties and delays at ports

## THE SOLUTION: SAFETY SERVICE 360

Survitec has developed Safety Service 360 – a flexible safety solution designed to help you manage your safety schedules simply and cost effectively while keeping within the limits of regulation

A Safety Service 360 agreement with Survitec gives you one single point of contact who tracks all due dates, plans service visits and issues documentation, as well as access to our customer service centers who can guide you in regulatory issues

This proactive approach on service calls secures cost efficiency, delivers complete document handling, transparency and predictability of costs, and provides consultancy in regulatory issues

We have developed a wide range of overload tests, performed through ISO 9001:2008 QMS-controlled procedures using calibrated equipment including water bags, load cells and flow meters, to deliver full compliance with SOLAS/LSA regulations and MODU codes which require five-yearly load tests on all lifeboats, FRCs, release mechanisms and davits during installation and commissioning of new and reconditioned equipment

Our safety service network has global ISO 9001 approval and global approvals from six major classification societies – in addition to a number of local class approvals

All of this is offered at fixed prices and competitive terms for easier budgeting

## THE RESULT: TAKING COMPLEXITY OUT OF COMPLIANCE

Harmonised due dates and good service planning leads to efficient service calls, reducing costs and risks to you

With efficiency and cost control in mind, we work hard to secure your safety compliance onboard your ships

Contact your Survitec Regional Sales Manager to learn more





## LIFERAFT RENTAL

Reduces the total cost of liferaft ownership, with no investment required, no depreciation of assets, and the guarantee that a vessel will always be equipped with a set of fully serviced, high quality liferafts

Leverages the largest service network of any global liferaft manufacturer, delivering a streamlined solution for when vessels are in port

Standard contracts cover 5, 7 or 10 years with shorter or longer terms available, and you may extend your contract, scale-up your requirements to include additional vessels, or exercise easy exit options as needed

Service rental, exchange rental or fully managed service options

Service Rental replaces all existing liferafts with new annual service liferafts so that when the rental liferafts are due for service, the same liferafts go back on board with the option to purchase at the end of the lease term

Exchange Rental replaces all existing liferafts with extended service liferafts (30 month) and when due for service, all are replaced with a new approved set so that handling is reduced to a minimum for short port stays

Fully customizable so that you benefit from predictable service costs



## SERVICING & MAINTENANCE

We believe strong partnerships with service stations brings you the highest quality, best value solutions that meet operational requirements

Servicing and maintenance at certified Service Stations throughout the world means you have the best and most reliable equipment available

In addition to liferaft servicing, Survitec offers both major and minor repairs to rescue boats (including Inflatable tube and glass fiber hulls repair for RIBs), inflatable lifejackets, immersion suits, electronics and more

Each service certificate is produced with a unique code to record where a service has been carried out and all service stations are quality controlled through auditing at least once every three years

Only approved and trained service engineers are authorized to carry out work and all must attend refresher courses once every three years

Training, audit and certification records are tracked in a global database

We have our own in-house cylinder bays and engineering workshops where we investigate the condition of equipment prior to carrying out any extensive repairs, and we can provide refilling as needed



# INSPECTION & TESTING

We offer a comprehensive range of inspection and maintenance services delivered in accordance with the latest SOLAS/LSA regulations and MODU codes, such as six-monthly and annual inspections of lifeboats, FRCs, davits, winches and LRRS; five-yearly overload testing of lifeboats, davits, winches, and LRRS; five-yearly fall wire replacements; five-yearly air cylinder replacements; mechanical and GRP repairs; and refurbishing / retrofitting of lifeboats, FRCs, davits, winches, and LRRS

Our cost-effective preventative maintenance plans start with a full consultation and thorough review of existing procedures and equipment age, type and condition in accordance SOLAS, IMO and LSA requirements and guidelines

# SYSTEM SERVICE & REFILL

AMO #58-90, EASA, ANAC, DOT & TC approved maintenance and recharge facility for fire equipment, with trained and certified technicians who inspect equipment/systems in-shop or onsite

Authorized clean agent facility for CO2 / Novec 1230 / FM-200 and authorized distribution and service for engineered systems by Kidde, Pyrene, Ansul, Chemetron, Stat-X, Seafire

Comprehensive services available for breathing apparatus, fire alarm, sprinkler and emergency light systems; hydrostatic testing of oxygen, float, flow down, gear, air start and extinguisher bottles; complete backflow and hydrant testing; AOG work; overhauls of fire, HTL and WK bottles, Halon 1211 and oxygen regulators



# MATERIALS, SPARES & LSA

Service stations are required to stock approved spare parts

Our warehouses are equipped with the latest technology to help ensure our team can find approved parts, and if needed, manufacture replacement parts that may no longer be available off the shelf

In addition to the many solutions in this catalog, our marine division offers an extended range of safety products, and can provide the right equipment to keep your crew and passengers safe at all times

From spare parts to full refurbishment of existing lifeboats and davit equipment, our team possesses the resources, tools and knowledge to get the job done right



# CUSTOM ENGINEERING

Survitec specialist engineering teams are strategically situated near all major global ports and can design, develop, repair and manufacture a variety of parts and custom systems, including overhaul of marine diesel engines such as Bukh, Saab, Ford, Deutz, Yanmar and Lister

Our precision engineering workshop is equipped with advanced, computer-controlled machinery, allowing our custom manufacturing team to fabricate obsolete parts for any type of lifeboat, davit or winch, so that your equipment is up to date and in safe working order

Specialty services available include crankshaft regrinding, cylinder head pressure testing and reconditioning, cylinder honing and boring, valve seat re-cutting, camshaft alignment repair and valve guide manufacture

# TAILORED CREWSAVER

Crewsaver commercial and recreational products shown in this catalog are selected for inclusion due to their relevance in the North America and South America markets

However, this range shown is but a small sample of the extensive offering of models, options and configurations available overall, which are available for sale and can be reviewed for more information by visiting [www.crewsaver.com](http://www.crewsaver.com)

In addition to all our regularly inventoried items and special order items, our team can make just about anything from scratch, or can even modify existing designs depending on the usage application and quantity needed for a custom, tailored solution



# LRRS & ERRV CREW TRAINING

Training and HSEQ competency underpin our commitment to full compliance with requirements of SOLAS and offshore regulators

We operate eight international training centers including the Survitec Marine Training Academy in Stonehaven, Aberdeenshire which provides hands-on workshops, an opportunity to test real LRRS equipment in a low risk environment, and practical "on water" sessions operating systems with a fast rescue training boat

Standard courses available include ERRV Crew Initial Training Shipboard Operations, ERRV Fast Rescue Craft Boatman, ERRV Fast Rescue Craft Coxswain, ERRV Daughter Craft Coxswain, STCW 95 Basic Training, and more OPITO-approved marine courses

# CHOOSING THE RIGHT ONE: LIFERAFTS

Commercial lifesaving products carry legislatively-regulated approvals which vary based on a multitude of factors including type of vessel, use of vessel, vessel flag, vessel destination and number of people onboard. Survitec can help ensure you have the appropriate and adequate solutions to meet your rig or ship's requirements. For further details on any content contained within and specific information on a product or configuration's applicability to your needs, please contact our technical services department.

EVACUATION SOLUTION	PRODUCT ADVANTAGES
Throw-over Liferaft	Standard canopied commercial liferaft comes complete SOLAS A or B pack for use in all waters and is flexible solution for several vessel sizes, types and styles.
Self-righting Liferaft	Canopied throw-over or davit-launch liferaft that will right itself without help from a person regardless of what direction the liferaft is facing in the water when deployed.
Davit-Launch Liferaft	Canopied liferaft complete with quick release girt systems and davit ring to be used in conjunction with a davit, but can also be deployed as a throwover.
Coastal Liferaft	Canopied liferaft with limited sizes and that is only approved for use within a close range to land, or on inland waterways.
Inflatable Buoyant Apparatus	Non-canopied liferaft that is particularly well suited to vessels that transport passengers close to land, or on inland waterways.
Recreational Liferaft	Liferaft designed for non-commercial use on powerboats, sailboats and smaller vessels where a SOLAS-approved liferaft is not required.
Rescue C.A.S.E.	Non-canopied platform flotation device that can be used on powerboats, sailboats and smaller vessels where a USCG approval is not required that is colored in bright, high-visibility yellow.
Means Of Rescue	Non-canopied inflatable solution for rescuing people from the water.
Aviation Liferrafts	Canopied and non-canopied liferafts that are constructed and approved for use on rotary or fixed wing aircraft, with buoyancy fabric typically colored in bright, high-visibility yellow.

Liferafts come in a variety of containers that are designed to suit the specific needs of the vessel, including weight and deck limitations.

CONTAINER	DESCRIPTION	ADVANTAGES
Valise	Lightweight vinyl bag with closeable opening that can be hand-carried by ship personnel.	Available in 4, 6, 8 person sizes; smaller footprint than other containers and stowable in dry areas of a vessel only. Check your liferaft brand for availability.
Low Profile Container (LPC)	Fiberglass rectangular cube with curved edges mounted to a metal cradle which is attached to the ship's deck.	Available in most sizes; smaller footprint on deck than a barrel or round container. Check your liferaft brand for availability.
Xtreme Container	Similar to a low profile container but much more streamlined and compact, with vacuum-packed liferaft for greater space savings.	Available for many SurvitecZodiac brand liferaft sizes; smallest footprint on deck and a favorite for mega yachts.
Round Container	Fiberglass cylinder mounted to a metal cradle which is attached to the ship's deck.	Available in almost all sizes, but larger footprint than other containers. Check your liferaft brand for availability.

## Xtreme Container

Throw-over liferafts vacuum-packed into a SurvitecZodiac Xtreme container have a 25-35% smaller footprint than any other conventionally packed low profile container in the market

Xtreme Container



Standard Low Profile Container compared with Xtreme Container



Survitec is pleased to offer you the best brands in the business, delivering the highest quality and performance available in the industries we serve.

BRAND	PRODUCTS, DESCRIPTION AND KEY INDUSTRIES / REGIONS SERVED	BRAND	PRODUCTS, DESCRIPTION AND KEY INDUSTRIES / REGIONS SERVED
	<b>Liferafts.</b> Important U.S. brand with a long heritage in oil, gas and other marine industries. Service stations represented world-wide.		<b>Liferafts.</b> Important U.S. brand with applicability in key markets, especially commercial fishing in the U.S. Northeast and Eastern Canada.
	<b>Liferafts.</b> Important Canadian brand with long heritage in all aspects of North American maritime industries, particularly ferries.		<b>Liferafts.</b> Preferred brand for foreign-flagged vessels across the world with the largest international service station network, and a wide selection of aviation models.
	<b>Liferafts.</b> Original German brand from which many European liferafts still share roots and a top choice for many foreign and domestic vessels world-wide.		<b>Accessories.</b> Company brand for in-house, custom solutions that fulfill your safety and survival requirements precisely.
	<b>Liferafts.</b> Premier American brand for flagged and military vessels, with strong service station presence in North America and some representation world-wide.		<b>Liferafts.</b> One of the newest brand offerings for a wide range of commercial vessels with service stations represented world-wide.
	<b>Accessories.</b> Swedish brand of high quality hydrostatic release and deployment solutions that are used for liferafts and other survival products.		<b>Liferafts.</b> Favored brand in global marine fleets due to extremely high quality design and workmanship, as well as extensive world-wide service station coverage.

Survival craft such as liferafts are legislatively regulated and as such must meet specific requirements in order to receive certification. Descriptions of relevant product approvals are shown below for general information purposes only, and we encourage end users to review the requirements documentation available from the issuing authorities to best understand performance characteristics and limitations based on statute or ruling.

APPROVAL	DESCRIPTION
	USCG Approved: The United States Coast Guard (USCG) has developed specifications and criteria for marine safety equipment.
	TC Approved: Transport Canada promotes efficient marine transportation and safe, secure and sustainable marine practices; oversees marine infrastructure; regulates the safe transportation of dangerous goods by water; and helps protect the marine environment.
	SOLAS Compliance: The "International Convention for Safety of Life at Sea" has existed since 1914. The International Maritime Organization (IMO) has maintained and developed the SOLAS standards since 1948.
	MED Approved: Council Directive 98/85/EC on Marine Equipment applies to all ships whose safety certification is issued by or on behalf of Member States of the EU.
	ISO Approved: Specifications related to the pack type of recreational liferafts.
	CE Approval: The mark is placed on products that meet safety standards that apply to all the countries of the EU.
	FAA Approval: Federal Aviation Administration specifications related to aviation liferafts in aircraft.
	CAA Approval: Civil Aviation Authority specifications related to aviation liferafts in aircraft.
	EASA Approval: European Aviation Safety Agency specifications and requirements related to aviation liferafts in aircraft.

# THROW-OVER LIFERAFTS

## THROW-OVER LIFERAFTS

All models meet the requirements of the International Convention of the Safety of Life at Sea (SOLAS) 1996, as amended (except for 4-person model) and come with SOLAS "A" Equipment Packs unless otherwise requested by customer

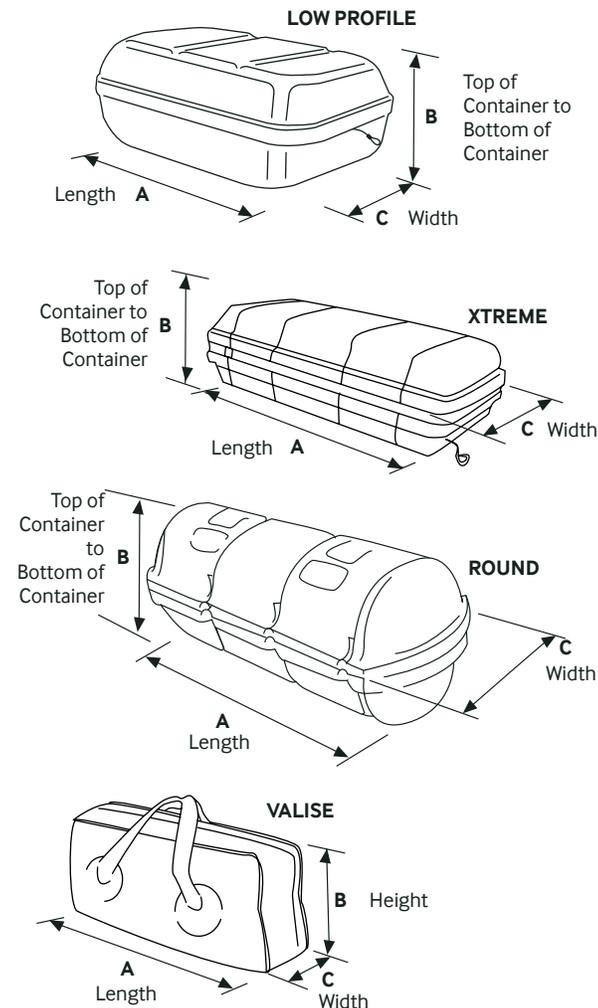
Most brands and sizes of throw-over liferafts feature double buoyancy chambers, manufactured from a specially formulated polyurethane (PU) proofed nylon fabric to NATO ADAP 1 quality standards, a fully enclosed double-skinned high visibility canopy complete with SOLAS-grade reflective tape, and a non-inflatable easy access boarding ramp

Some models of SurvitecZodiac brand liferafts are specially designed to meet both Transport Canada (TC) and USCG regulations, featuring a special Thermobonding™ hot assembly technique construction

DBC products are constructed of butyl fabric, hand-crafted in Canada with specialized epoxy adhesive technology

Throw-over liferafts hold approvals from most major international marine authorities, including the United States Coast Guard and UK Department of Trade (based on brand)

Liferafts come packed in containers with hydrostatic release unit (HRU) assembly and cradle for U.S. product only



### Throw-over Liferaft SOLAS "A" Pack Standard Equipment Includes:

- |  |                                  |
|--|----------------------------------|
| 6 x USCG/SOLAS hand flares             | 1x Repair kit                    |
| 4 x USCG/SOLAS parachute rockets       | 1x Signal whistle                |
| 2 x USCG/SOLAS smoke signals           | Repair plugs                     |
| 1 x Topping-up air pump                | 1 x drinking cup                 |
| 1x Sea anchor with SS swivel           | Seasick tablets                  |
| 1 x Spare sea anchor                   | 1 x flashlight                   |
| Throwing quoit w/ 100 ft. line         | 1 x spare bulb                   |
| Thermal protective aids                | Extra batteries                  |
| Sea sickness bags                      | 1 x signal mirror                |
| Survival Instructions                  | 1 x first aid kit                |
| 2400 Cal. Food Rations                 | 1 x fishing kit                  |
| 4.2 oz. water packs                    | 3 x can openers                  |
| 1 x Bailer for 4-12 person liferafts   | 1 x floating knife               |
| 2 x Bailers for 16-25 person liferafts | 1 x lock back knife              |
| 2 x Paddles                            | (on 16-25 person liferafts only) |
| 2 x Sponges                            |                                  |

Dimensions are approximate, are listed in United States customary units rounded up to nearest inch, and also in metric units where page space allows

# THROW-OVER LIFERAFTS

APPROVALS:   



SIZE / CONTAINER	A X B X C DIMENSIONS	SOLAS PACK TYPE / WEIGHT	DROP HEIGHT	S	ELLIOT PRODUCT #	CREWSAVER PRODUCT #	SSP PRODUCT #	NEW WAVE GUARDIAN PRODUCT #	RFD PRODUCT #
4 person Low Profile	35x12x25" (889x305x635mm)	A 117 lbs (53kg)	59' (18m)		50-00300019905	50-00300019904	50-00300019908	50-00300019911	50-00300019901
	35x12x25" (889x305x635mm)	B 99 lbs (45kg)			50-00300041705	50-00300041704	50-00300041708	50-00300041711	Call
4 person Round	Call	A Call	59' (18m)		50-00300020705	50-00300020704	50-00300020708	50-00300020711	50-00300020701
	Call	Call	118' (36m)		50-00300019305	50-00300019304	50-00300019308	50-00300019311	50-00300019301
	Call	B Call	59' (18m)		Call	Call	Call	Call	Call
	Call	Call	118' (36m)		Call	Call	Call	Call	Call
6 person Low Profile	39x17x26" (991x432x661mm)	A 167 lbs (76kg)	59' (18m)		50-00100020105	50-00100020104	50-00100020108	50-00100020111	50-00100020101
	35x12x25" (889x305x635mm)	B 125 lbs (57kg)			50-00100026805	50-00100026804	CALL	50-00100026811	Call
6 person Round	50x24x19" (1270x610x483mm)	A 167 lbs (76kg)	59' (18m)		50-00100020805	50-00100020804	50-00100020808	50-00100020811	50-00100020801
		Call	118' (36m)		50-00100018105	50-00100018104	50-00100018108	50-00100018111	50-00100018101
	46x22x17" (1169x559x432mm)	B 126 lbs (58kg)	59' (18m)		Call	50-00100041104	Call	Call	Call
		Call	118' (36m)		Call	50-00100022504	Call	Call	Call
8 person Low Profile	39x17x26" (991x432x661mm)	A 190 lbs (87kg)	59' (18m)		50-00100020305	50-00100020304	50-00100020308	50-00100020311	50-00100020301
	39x17x26" (991x432x661mm)	B 137 lbs (63kg)			50-00100041205	Call	Call	Call	Call
8 person Round	50x24x19" (1270x610x483mm)	A 176 lbs (80kg)	59' (18m)		50-00100020905	50-00100020904	50-00100020908	50-00100020911	50-00100020901
		Call	118' (36m)		50-00100018605	50-00100018604	50-00100018608	50-00100018611	50-00100018601
	46x22x17" (1169x559x432mm)	B 126 lbs (58kg)	59' (18m)		50-00100028705	50-00100041204	Call	Call	Call
		Call	118' (36m)		Call	Call	Call	Call	Call
10 person Round	55x26x21" (1397x661x534mm)	A 220 lbs (100kg)	59' (18m)		50-00100021005	50-00100021004	50-00100021008	50-00100021011	50-00100021001
		Call	118' (36m)		50-00100018805	50-00100018804	50-00100018808	50-00100018811	50-00100018801
	50x24x19" (1270x610x483mm)	B 176 lbs (80kg)	59' (18m)		Call	50-00100026304	Call	Call	Call
12 person Round	55x26x21" (1397x661x534mm)	A 240 lbs (109kg)	59' (18m)		50-00100021105	50-00100021104	50-00100021108	50-00100021111	50-00100021101
		Call	118' (36m)		50-00100019205	50-00100019204	50-00100019208	50-00100019211	50-00100019201
	50x24x19" (1270x610x483mm)	B 187 lbs (85kg)	59' (18m)		Call	50-00100027304	50-00100027308	Call	Call
		Call	118' (36m)		50-00100022605	50-00100022604	Call	Call	Call
16 person Round	61x26x21" (1550x661x534mm)	A 302 lbs (137kg)	59' (18m)		50-00100021205	50-00100021204	50-00100021208	50-00100021211	50-00100021201
		Call	118' (36m)		50-00100019105	50-00100019104	50-00100019108	50-00100019111	50-00100019101
	55x26x21" (1397x661x534mm)	B 227 lbs (103kg)	59' (18m)		50-00100027205	50-00100027204	Call	Call	Call
20 person Round	64x28x23" (1626x712x585mm)	A 348 lbs (158kg)	59' (18m)		50-00100021305	50-00100021304	50-00100021308	50-00100021311	50-00100021301
		Call	118' (36m)		50-00100019005	50-00100019004	50-00100019008	50-00100019011	50-00100019001
	61x26x21" (1550x661x534mm)	B 240 lbs (109kg)	59' (18m)		Call	Call	Call	Call	Call
		Call	118' (36m)		50-00100057005	Call	Call	Call	Call
25 person Round	64x28x23" (1626x712x585mm)	A 392 lbs (178kg)	59' (18m)		50-00100021405	50-00100021404	50-00100021408	50-00100021411	50-00100021401
		Call	118' (36m)		50-00100018905	50-00100018904	50-00100018908	50-00100018911	50-00100018901
	61x26x21" (1550x661x534mm)	B 282 lbs (128kg)	59' (18m)		50-00100050405	50-00100050404	Call	Call	Call
	Call	118' (36m)	50-00100022705	50-00100022704	Call	Call	Call		

Please be sure to indicate drop height and approval needed for all orders. Also note that several brands have 46 meter high drop stowage height options. To ensure you have the correct liferaft for your application, please contact your customer service representative or sales manager before ordering.

# THROW-OVER LIFERAFTS

APPROVALS: 



SIZE / CONTAINER	A X B X C DIMENSIONS	SOLAS PACK TYPE / WEIGHT	DROP HEIGHT	S	RFD MED PRODUCT #
8 person Round	50x24x19" (1270x610x483mm)	A 176 lbs (80kg)	59' (18m)	S	50-00009340
	46x22x17" 1169x559x432mm)	B 126 lbs (58kg)			Call
16 person Round	61x26x21" (1550x661x534mm)	A 302 lbs (137kg)	59' (18m)		50-00041398
	55x26x21" (1397x661x534mm)	B 227 lbs (103kg)	118' (36m)		50-00000041406
20 person Round	64x28x23" (1626x712x585mm)	A 348 lbs (158kg)	59' (18m)		50-00000012551
	61x26x21" (1550x661x534mm)	B 240 lbs (109kg)	59' (18m)		Call
25 person Round	64x28x23" (1626x712x585mm)	A 392 lbs (178kg)	59' (18m)		50-00000013563
	61x26x21" 1550x661x534mm)	B 282 lbs (128kg)	59' (18m)		Call
35 person Round	Call	A Call	59' (18m)		Call
	Call	B Call	59' (18m)		Call
70 person Round	Call	A Call	59' (18m)		Call
	Call	B Call	59' (18m)		Call



RFD Surviva MED-approved throw-over liferafts are available in several sizes and 118' (36m) drop height, depending on usage. To ensure you are purchasing the correct liferaft for your application, please speak to your customer service representative or sales manager before ordering.

APPROVALS:   



SIZE / CONTAINER	A X B* X C DIMENSIONS	SOLAS PACK TYPE / WEIGHT	DROP HEIGHT	S	DSB USCG PRODUCT #	DSB MED PRODUCT #
6 person Round	50x20x20" (1260x485x485mm)	A 168 lbs (77kg)	118' (36m)	S	50-00008353	50-00008498
	42x24x24" (1050x610x610mm)	B 139 lbs (63kg)			Call	Call
8 person Round	50x20x20" (1260x485x485mm)	A 176 lbs (80kg)	118' (36m)		50-00009458	Call
	42x24x24" (1050x610x610mm)	B 139 lbs (63kg)			Call	Call
10 person Round	50x20x20" (1260x485x485mm)	A 218 lbs (99kg)	118' (36m)		Call	Call
	46x23x23" (1156x584x584mm)	B 176 lbs (80kg)			Call	Call
12 person Round	50x20x20" (1260x485x485mm)	A 238 lbs (108kg)	118' (36m)		50-00011628	Call
	46x23x23" (1156x584x584mm)	B 187 lbs (85kg)			Call	Call
16 person Round	52x27x27" (1308x685x685mm)	A 306 lbs (139kg)	118' (36m)		50-00041552	50-00041514
	46x23x23" (1156x584x584mm)	B 223 lbs (102kg)			Call	Call
20 person Round	52x27x27" (1308x685x685mm)	A 353 lbs (161kg)	118' (36m)		50-00012671	Call
	46x23x23" (1156x584x584mm)	B 234 lbs (107kg)			50-00012637	Call
25 person Round	52x27x27" (1308x685x685mm)	A 397 lbs (180kg)	118' (36m)		50-00013757	50-00013684
	52x27x27" (1308x685x685mm)	B 298 lbs (136kg)			Call	Call
35 person Round	Call	A Call	118' (36m)		Call	Call
	Call	B Call			Call	Call
50 person Round	Call	A Call	118' (36m)		Call	Call
	Call	B Call			Call	Call
100 person Round	Call	A Call	118' (36m)	Call	Call	
	Call	B Call		Call	Call	



The DSB LR07 is a MED approved liferaft that is durable, cost-effective and provides stability, insulation, visibility and ease of stowage. DSB B\* dimensions are not inclusive of cradle. To ensure you are purchasing the correct liferaft for your application, please speak to your customer service representative or sales manager before ordering.

# THROW-OVER LIFERAFTS



SIZE	CONTAINER	A X B X C DIMENSIONS	SOLAS PACK TYPE / WEIGHT	SZ USCG PRODUCT #	SZ TC PRODUCT #	SZ TC EPE PRODUCT #	
4 person	Low Profile	MK18 S1	35.5x12.25x25.5" (900x310x646mm)	A 117 lbs (53kg)	D00300019919	DRZ0908	DRZ31111
		MK18 S1	35.5x12.25x25.5" (900x310x646mm)	B 99 lbs (45kg)	Call	DRZ0909	
6 person	Round	MK10 S4	49.5x20x20.5" (1260x485x520mm)	A 168 lbs (76kg)	D00100052519	DRZ0910	DRZ3112
		MK10 S3	45.5x17.25x18.5" (1155x435x470mm)	B 126 lbs (57kg)	Call	DRZ0911	
	Low Profile	MK18 S3	38.75x17.25x26.5" (985x435x670mm)	A 168 lbs (76kg)	D00100020119	DRZ31005	DRZ31170
		MK18 S3	38.75x17.25x26.5" (985x435x670mm)	B 126 lbs (57kg)	Call	DRZ31006	
	Xtreme	N137H	31x14x22" (790x340x555mm)	A 142 lbs (64kg)	DRZ31141	DRZ31173	N/A
		N137	31x11x22" (790x270x555mm)	B 106 lbs (48kg)	Call	Call	
8 person	Round	MK10 S4	49.5x20x20.5" (1260x485x520mm)	A 176 lbs (80kg)	D00100052619	DRZ0912	DRZ3113
		MK10 S3	45.5x17.25x18.5" (1155x435x470mm)	B 126 lbs (57kg)	Call	DRZ0913	
	Low Profile	MK18 S3	38.75x17.25x26.5" (985x435x670mm)	A 190 lbs (86kg)	D00100020319	DRZ31007	DRZ31171
		MK18 S3	38.75x17.25x26.5" (985x435x670mm)	B 137 lbs (62kg)	Call	DRZ31008	
	Xtreme	N138H	34x14x23" (840x340x570mm)	A 164 lbs (74kg)	DRZ31142	DRZ31174	N/A
		N138	34x12x23" (840x294x570mm)	B 126 lbs (57kg)	DRZ31289	Call	
10 person	Round	MK14 S14	45.5x23x25" (1156x584x612mm)	A 218 lbs (99kg)	D00100052719	DRZ0914	DRZ31160
		MK10 S4	49.5x20x20.5" (1260x485x520mm)	B 176 lbs (80kg)	Call	DRZ0915	
	Low Profile	MK16 S2	46.75x12.5x25.5" (1190x315x650mm)	A 223 lbs (101kg)	D00100054919	DRZ31009	DRZ31172
		MK16 S2	46.75x12.5x25.5" (1190x315x650mm)	B 187 lbs (85kg)	Call	DRZ31010	
	Xtreme	N139H	37x14x26" (940x344x640mm)	A 192 lbs (87kg)	DRZ31143	DRZ31175	N/A
		N139	37x13x26" (940x314x640mm)	B 139 lbs (63kg)	Call	Call	
12 person	Round	MK14 S14	45.5x23x25" (1156x584x612mm)	A 238 lbs (108kg)	D00100052919	DRZ31193	DRZ31172
		MK10 S4	49.5x20x20.5" (1260x485x520mm)	B 187 lbs (85kg)	Call	DRZ31227	
	Low Profile	MK16 S2	46.75x12.5x25.5" (1190x315x650mm)	A 243 lbs (110kg)	D00100053919	DRZ31228	DRZ231356
		MK16 S2	46.75x12.5x25.5" (1190x315x650mm)	B 198 lbs (90kg)	Call	DRZ31229	
	Xtreme	N139H	37x14x26" (940x344x640mm)	A 212 lbs (96kg)	DRZ31192	DRZ31196	N/A
		N139	37x13x26" (940x314x640mm)	B 147 lbs (67kg)	Call	Call	
16 person	Round	MK14 S14	45.5x23x25" (1156x584x612mm)	A 317 lbs (144kg)	D00100053019	DRZ0918	DRZ31016
		MK14 S14	45.5x23x25" (1156x584x612mm)	B 223 lbs (101kg)	Call	DRZ0919	
	Low Profile	N136H	46x30x20" (1160x752x505mm)	A 278 lbs (126kg)	D00100053019	DRZ31013	N/A
		N136	46x30x18" (1160x752x445mm)	B 192 lbs (87kg)	Call	DRZ31014	
	Xtreme	N140H	44x15x26" (1100x370x650mm)	A 269 lbs (122kg)	DRZ31145	DRZ31177	N/A
		N140	44x14x26" (1100x340x650mm)	B 190 lbs (86kg)	Call	Call	
20 person	Round	MK14 S17	51.5x27x29" (1308x685x713mm)	A 353 lbs (160kg)	D00100053119	DRZ0920	DRZ31162
		MK14 S14	45.5x23x25" (1156x584x612mm)	B 234 lbs (106kg)	Call	DRZ0921	
	Low Profile	N136H	46x30x20" (1160x752x505mm)	A 318 lbs (144kg)	DRZ31306	Call	N/A
		N136	46x30x18" (1160x752x445mm)	B 211 lbs (95.5kg)	Call	Call	
25 person	Round	MK14 S17	51.5x27x29" (1308x685x713mm)	A 397 lbs (180kg)	D00100025519	DRZ0922	DRZ31206
		MK14 S17	51.5x27x29" (1308x685x713mm)	B 287 lbs (130kg)	Call	DRZ0923	
37 person	Round	Call	Call	A Call	Call	Call	Call
		Call	Call	B Call	Call	Call	
50 person	Round	N20	62x38x38" (1560x960x952mm)	A 814 lbs (369kg)	DRZ0605P/S	DRZ0949	N/A
		N18	62x33x34" (1560x835x852mm)	B 514 lbs (233kg)	DRZ0606P/S	DRZ0896P/S	
100 person	Round	N29	77x39x42" (1950x975x1050mm)	A 1235 lbs (560kg)	Call	Call	N/A
		N25	68x40x42" (1725x1000x1050mm)	B 948 lbs (430kg)	Call	Call	
150 person	Round	N19	76x45x46" (1930x1120x1150mm)	A 1081 lbs (490kg)	Call	Call	N/A

For proper packing, please indicate launch height from vessel. EPE 30-month extended service interval throw-over liferafts with EC/MED, SOLAS, or TC -only approvals are available.

SIZE	CONTAINER	A X B * X C DIMENSIONS	SOLAS PACK TYPE / WEIGHT	V	DBC USCG PRODUCT #	DBC TC PRODUCT #
4 person	Low Profile Size 2	34x23x13" (870x320x570mm)	A 128 lbs (58kg)		DFT55002	DFT07002
	Low Profile Size 2	34x23x13" (870x320x570mm)	B 92 lbs (42kg)		DFT56002	DFT08002
	Round	34x19x19" (870x500x500mm)	A 132 lbs (60kg)		DFT55102	DFT07102
		34x19x19" (870x500x500mm)	B 112 lbs (50kg)		DFT56102	DFT08102
6 person	Low Profile Size 3	34x23x16" (870x410x570mm)	A 145 lbs (66kg)		DFT55014	DFT07016
	Low Profile Size 3	34x23x16" (870x410x570mm)	B 121 lbs (55kg)		DFT56016	DFT08016
	Round	40x19x19" (1020x500x500mm)	A 156 lbs (71kg)		DFT55116	DFT07116
		40x19x19" (1020x500x500mm)	B 128 lbs (58kg)		DFT56116	DFT08116
8 person	Low Profile Size 4	35x25x17" (890x430x625mm)	A 178 lbs (81kg)		DFT55034	DFT07020
	Low Profile Size 3	35x23x16" (870x410x570mm)	B 144 lbs (65kg)		DFT56020	DFT08020
	Round	41x23x23" (1040x580x580mm)	A 188 lbs (85kg)		DFT55120	DFT07120
		41x23x23" (1040x580x580mm)	B 154 lbs (70kg)		DFT56120	DFT08120
10 person	Round	45x26x26" (1140x660x660mm)	A 211 lbs (96kg)		DFT55134	DFT05134
		45x26x26" (1140x660x660mm)	B 167 lbs (76kg)		DFT56134	DFT06134
16 person	Round	49x27x27" (1250x690x690mm)	A 332 lbs (151kg)		DFT55152	DFT05152
		49x27x27" (1250x690x690mm)	B 264 lbs (120kg)		DFT56152	DFT06152
25 person	Round	54x29x29" (1370x740x740mm)	A 389 lbs (176kg)		DFT55170	DFT05170
		54x29x29" (1370x740x740mm)	B 289 lbs (131kg)		DFT56170	DFT06170
50 person	Round	61x31x31" (1550x780x780mm)	A 659 lbs (299kg)		DFT55184	DFT05184
		61x31x31" (1550x780x780mm)	B 455 lbs (206kg)		DFT56184	DFT06184

\* B dimensions (height) are not inclusive of cradle. For proper packing, please indicate launch height from vessel. DBC products are constructed of butyl fabric, hand-crafted in Canada with specialized epoxy adhesive technology. To ensure you are purchasing the correct liferaft for your application, please speak to your customer service representative or sales manager before ordering.

## SELF-RIGHTING LIFERAFTS

Utilizing the same Thermobonding™ hot assembly technique manufacturing quality as the standard SurvitecZodiac throw-over and davit-launch liferafts, the self-righting models integrate a unique righting design

The design causes the liferaft to rotate into the correct position for boarding, regardless of how it inflates in the water after deployment from its container

Liferafts come packed in containers with hydrostatic release unit (HRU) assembly, lashing and cradle for U.S. product only



SIZE	LIFERAFT TYPE	CONTAINER TYPE	A X B X C DIMENSIONS	SOLAS PACK TYPE / WEIGHT	V	SZ USCG PRODUCT #	SZ TC PRODUCT #
6 person	Self-Righting Throw-over	Round	N12	46x22x23" (1160x513x560mm)	A 159 lbs (72kg)	Call	Call
			N12	46x22x23" (1160x513x560mm)	B 128 lbs (58kg)	Call	Call
	Self-Righting Throw-over	Low Profile	N133	37x15x23" (924x359x574mm)	A 159 lbs (72kg)	Call	Call
			N132	36x14x21" (890x333x520mm)	B 122 lbs (55kg)	Call	Call
8 person	Self-Righting Throw-over	Round	N12	46x22x23" (1160x513x560mm)	A 195 lbs (88kg)	Call	Call
			N12	46x22x23" (1160x513x560mm)	B 153 lbs (69kg)	Call	Call
12 person	Self-Righting Throw-over	Round	N13	52x24x25" (1275x590x610mm)	A 252 lbs (114kg)	Call	Call
			N12	46x22x23" (1160x513x560mm)	B 181 lbs (82kg)	Call	Call
25 person	Self-Righting Davit-Launch	Round	N16B	58x30x32" (1450x740x800mm)	A 486 lbs (220kg)	Call	DRZ0601
			N22B	61x35x34" (1530x880x845mm)	B 353 lbs (160kg)	Call	DRZ0609
37 person	Self-Righting Throw-over	Round	N17	60x38x38" (1500x945x950mm)	A 688 lbs (312kg)	Call	DRZ0949
			N16	58x30x32" (1450x740x800mm)	B 490 lbs (222kg)	Call	DRZ0951
	Self-Righting Davit-Launch	Round	N17B	60x38x38" (1500x945x950mm)	A 728 lbs (330kg)	Call	DRZ0953
			N18B	62x33x34" (1560x835x850mm)	B 508 lbs (230kg)	Call	DRZ0955
50 person	Self-Righting Throw-over	Round	N20	62x38x38" (1560x960x952mm)	A 794 lbs (360kg)	Call	Call
			N18	62x33x34" (1560x835x852mm)	B 543 lbs (246kg)	Call	Call
150 person	Self-Righting Throw-over	Round	N24	132x45x46" (3340x1135x1150mm)	A 2866 lbs (1300kg)	Call	Call
			N23	132x41x42" (3340x1035x1050mm)	B 1941 lbs (880kg)	Call	Call

# DAVIT-LAUNCH LIFERAFTS

## DAVIT-LAUNCH LIFERAFTS

Liferafts are designed to be deployed on a davit and have all passengers boarded before being safely lowered to the water

Davit-launch liferafts are manufactured to the highest quality standards from polyurethane (PU) coated nylon, ensuring the durability of the liferaft with weight and structure allowing for easy servicing

Submitted to 4 times overload test and fully loaded 10 foot drop test, side impact and abrasion test

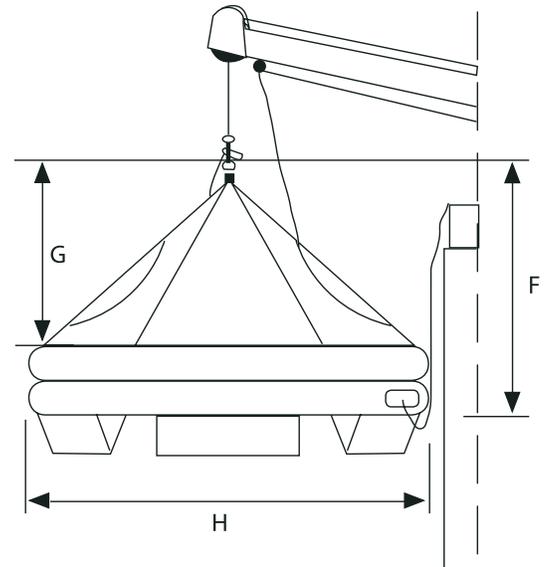
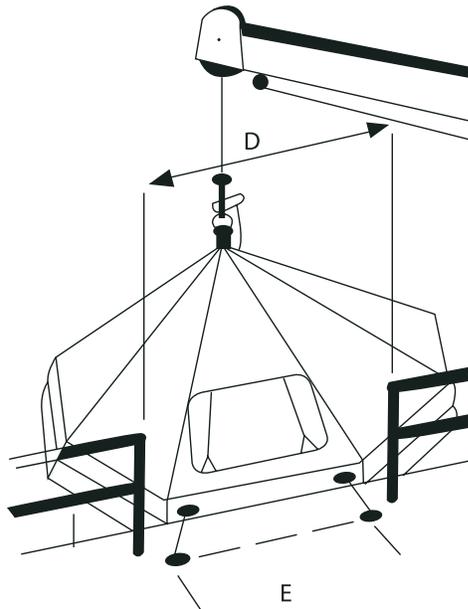
Features include a fully enclosed, double-skinned, high visibility canopy complete with SOLAS-grade reflective tape, non-inflatable easy access boarding ramp, high volume water pockets to ensure maximum stability when inflated, canopy fitted with LED light ensuring maximum visibility, and a fully insulated floor to ensure maximum thermal protection

Stowed in round cylindrical GRP containers designed to suit most deck spaces and providing quick access to the lifting bridle

Equipment pack is sealed in a strong water-resistant bag and secured to the internal safety line of the liferaft

Liferafts come packed in containers with hydrostatic release unit (HRU) assembly, lashing and cradle for U.S. product only

Dimensions are approximate, are listed in United States customary units rounded up to nearest inch, and also in metric units where page space allows



# DAVIT-LAUNCH LIFERAFTS

APPROVALS:  









SIZE	A X B X C DIMENSIONS	SOLAS PACK TYPE AND WEIGHT	D X E X F X G X H DIMENSIONS	S	ELLIOT PRODUCT #	CREWSAVER PRODUCT #	SSP PRODUCT #	NEW WAVE GUARDIAN PRODUCT #
12 person	55x28x23"	A 251 lbs	63x39x75x51x113"		50-00200019605	Call	Call	Call
	55x26x21"	B 208 lbs	63x39x75x51x113"		Call	Call	Call	Call
16 person	61x28x23"	A 306 lbs	67x39x82x56x129"		50-00200021605	Call	Call	Call
	61x26x21"	B 247 lbs	67x39x82x56x129"		Call	Call	Call	Call
20 person	64x30x25"	A 353 lbs	71x39x82x55x160"		50-00200020205	Call	Call	Call
	64x28x23"	B 265 lbs	71x39x82x55x160"		Call	Call	Call	Call
25 person	64x30x25"	A 406 lbs	71x39x90x61x160"		50-00013629E	Call	Call	Call
	64x28x23"	B 318 lbs	71x39x90x61x160"		Call	Call	Call	Call
37 person	Call	A Call	Call		Call	Call	Call	Call
	Call	B Call	Call		Call	Call	Call	Call

For proper packing, please indicate stowage height of 18m or 36m for 6-20 person sizes and 18m, 36m or 46m for 25 person D/L/T/O.

APPROVALS:    

SIZE	A X B X C DIMENSIONS	WEIGHT	D X E X F X G X H DIMENSIONS	S	RFD PRODUCT #
12 person	Call	Call	Call		Call
16 person	Call	Call	Call		Call
20 person	64x28x23"	353 lbs	71x39x82x55x160"		Call
25 person	64x28x23"	406 lbs	71x39x90x61x160"		50-00200013601
35 person	Call	Call	Call		Call

APPROVALS:   

SIZE	A X B X C DIMENSIONS	WEIGHT	S	DSB USCG PRODUCT #	DSB MED PRODUCT #
12 person	50x19x19"	249 lbs		00011629	Call
16 person	52x27x27"	311 lbs		00041553	Call
20 person	52x27x27"	359 lbs		50-00012638	50-00012638
25 person	52x27x27"	408 lbs		50-00200027102	Call

APPROVALS:    



SIZE / ROUND CONTAINER TYPE	A X B X C DIMENSIONS	SOLAS PACK TYPE / WEIGHT	DROP HEIGHT	V	SZ USCG PRODUCT #	SZ TC PRODUCT #
8 person	N13B	Call	A 185 lbs (84kg)		Call	Call
	N12B	Call	B 139 lbs (63kg)		Call	Call
12 person	MK14 S14	45.5x23x25" (1156x584x612mm)	A 249 lbs (113kg)		D00200054119	DRZ0966
	MK14 S14	45.5x23x25" (1156x584x612mm)	B 203 lbs (92kg)		Call	DRZ0967
16 person	MK14 S14	45.5x23x25" (1156x584x612mm)	A 335 lbs (152kg)		D00200053219	DRZ0968
	MK14 S14	45.5x23x25" (1156x584x612mm)	B 234 lbs (106kg)		Call	DRZ0969
20 person	MK14 S17	51.5x27x29" (1308x685x713mm)	A 359 lbs (163kg)		D00200054219	DRZ0972
	MK14 S17	51.5x27x29" (1308x685x713mm)	B 271 lbs (123kg)		Call	DRZ0973
25 person	MK14 S17	51.5x27x29" (1308x685x713mm)	A 408 lbs (185kg)		D00200051519	DRZ0924
	MK14 S17	51.5x27x29" (1308x685x713mm)	B 298 lbs (135kg)		Call	DRZ0925
37 person	N17B	60x38x38" (1500x945x950mm)	A 684 lbs (310kg)		DRZ0445	DRZ0929
	N16B	58x30x32" (1450x740x800mm)	B 441 lbs (200kg)		DRZ0604	DRZ0974

# COASTAL LIFERAFTS

## COASTAL LIFERAFTS

Elliot, Crewsaver, SSP and SurvitecZodiac Coastal liferafts offer double buoyancy chambers, made with high frequency welded polyurethane (PU) proofed nylon fabric material to produce a higher quality, longer lasting liferaft than those produced from rubber-based fabrics with glued seams

DBC coastal liferafts offer double buoyancy chambers made of butyl fabric with specialized epoxy adhesive technology in Canada

Coastal liferafts of all sizes may be packed in either a low profile container (LPC) or a lightweight, durable valise which makes it easy to launch the liferaft overboard

Coastal liferafts that are supplied in LPCs come complete with hydrostatic release unit (HRU) assembly, lashing and cradle for U.S. product only

EPE 30-month extended service interval coastal liferafts with Transport Canada (TC) -only approvals are available



Coastal equipment pack includes compact paddles, safety knife, bailers, hand pump, sponges, sea anchor, signal mirrors and more



Low Profile Container



Valise



APPROVALS: 



SIZE	CONTAINER TYPE	A X B X C DIMENSIONS	WEIGHT	S	ELLIOT PRODUCT #	CREWSAVER PRODUCT #	SSP PRODUCT #
4 Person	Low Profile	34x21x12"	80 lbs		50-00300015705	50-00300015704	50-00300015708
	Valise	31x18x13"	69 lbs		50-00300026205	50-00300026204	50-00300026208
6 Person	Low Profile	34x21x14"	104 lbs		50-00300015805	50-00300015804	50-00700008708
	Valise	31x20x15"	90 lbs		50-00300028605	50-00300028604	50-00300028608
8 Person	Low Profile	34x21x14"	116 lbs		50-00300024805	50-00300024804	50-00300024808
	Valise	31x20x15"	102 lbs		50-00700007405	Call	50-00300032108

APPROVALS:  



SIZE	CONTAINER TYPE	A X B X C DIMENSIONS	WEIGHT	V	SZ USCG PRODUCT #	SZ TC PRODUCT #
4 Person	Low Profile	MK12 S2	33.75x11.75x21" (860x300x510mm)		D00300019919	DRZ35007
	Valise	Size 2	30.75x13.5x13" (780x340x330mm)		D00300026219	DRZ35014
4 Person EPE	Low Profile	N131	32x13x18" (810x330x440mm)		N/A	DRZ35004
6 Person	Low Profile	MK12 S3	33.75x13.75x21" (860x350x510mm)		D00300015819	DRZ35008
	Valise	Size 3A	30.75x17.25x18" (780x435x455mm)		D00300028619	DRZ35015
6 Person EPE	Low Profile	N131	32x13x18" (810x330x440mm)		N/A	DRZ35005
8 Person	Low Profile	MK12 S3	33.75x13.75x21" (860x350x510mm)		D00300024819	DRZ35009
	Valise	Size 4	30.75x21x18.5" (780x510x470mm)		D00300055819	DRZ35016
8 Person EPE	Low Profile	N132	36x13x18" (890x330x440mm)		N/A	DRZ35006

APPROVALS:  



SIZE	CONTAINER TYPE	A X B X C DIMENSIONS	WEIGHT	V	DBC USCG PRODUCT #	DBC TC PRODUCT #
4 Person	Low Profile	34x13x23" (870x320x570mm)	94 lbs (43kg)		DCS01504	DCS03006
	Valise	30x12x13" (760x300x330mm)	69 lbs (31kg)		DCS01016	DCS03106
6 Person	Low Profile	34x13x23" (870x320x570mm)	103 lbs (47kg)		DCS01516	DCS03012
	Valise	33x14x16" (840x360x410mm)	74 lbs (34kg)		DCS02022	DCS03112
8 Person	Low Profile	34x16x23" (870x410x570mm)	121 lbs (55kg)		DCS01528	DCS03018
	Valise	36x16x18" (910x410x460mm)	83 lbs (38kg)		DCS02036	DCS03118

# INFLATABLE BUOYANT APPARATUS

## INFLATABLE BUOYANT APPARATUS (IBA)

Survitec offers a range of USCG-approved or TC-approved IBA liferafts

IBAs are comprised of double buoyancy chambers, a barrier floor and applicable government-specified emergency equipment pack

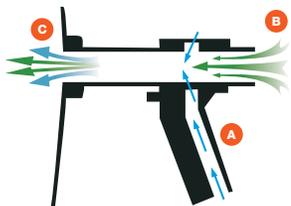
Buoyancy chambers are constructed from specially formulated polyurethane (PU) proofed nylon fabric, which is highly resistant to abrasion and impervious to corrosion in the marine environment

IBAs are designed and certified for passenger and/or commercial fishing vessels operating in protected or in-shore waters

Sizes range from 4-151 person capacities with container options of valise, low profile container or round container depending on model

Venturi inflation technology is available in some sizes of liferaft, allowing **(A)** compressed air to enter the inflation chamber through small nozzles at high velocity, then **(B)** the air stream creates a vacuum that induces the air from outside enabling it to achieve unparalleled inflation speed, so that **(C)** the amplified airflow leaves the exit point, and this allows the product to use less CO2 cylinders, resulting in a smaller and a lighter weight product, and potential lower servicing costs due to less hydro and refill requirements

Venturi Inflation Technology Diagram



4, 6, 8 person size IBAs available in LPC or Valise container



10, 20 person size IBAs available in LPC or Round container



30, 50 person size IBAs available in LPC or Round container



100, 151 person size IBAs available in Round container



# INFLATABLE BUOYANT APPARATUS

APPROVALS:  









SIZE/PERSONS		CONTAINER TYPE	A X B X C DIMENSIONS	WEIGHT	S V	ELLIOT PRODUCT #	CREWSAVER PRODUCT #	SSP PRODUCT #	SZ USCG PRODUCT #	SZ TC PRODUCT #
U.S.	CAN									
4	4	Valise	30.7x13.4x13" (780x340x330mm)	58.6 lbs (26.6kg)		50-00700006005	50-00700006004	50-00700006008	50-00700006019	Call
		Low Profile	33.9x9.8x20.1" (860x250x510mm)	70.5 lbs (32kg)		50-00700005105	50-00700005104	50-00700005108	50-00700005119	DRZ31002
6	9	Valise	30.7x14.2x16.5" (780x360x420mm)	70.1 lbs (31.8kg)		50-00700005905	50-00700005904	50-00700005908	50-00700005919	Call
		Low Profile	33.9x11.8x20.1" (860x300x510mm)	82.7 lbs (37.5kg)		50-00700005005	50-00700005004	50-00700005008	50-00700005019	DRZ33029
8	12	Valise	30.7x14.2x16.5" (780x360x420mm)	76.9 lbs (34.9kg)		50-00700005805	50-00700005804	50-00700005808	D00700005819	N/A
		Low Profile	33.9x11.8x20.1" (860x300x510mm)	87.1 lbs (39.5kg)		50-00700004905	00700004904	50-00700004908	D00700004919	N/A
10	15	Round	40.2x17.4x18.8" (1020x440x476mm)	102 lbs (46kg)		50-DRZ1593ELL	Call	50-DRZ33026SSP	DRZ1593	DRZ31015
		Low Profile	35.1x12.5x20.5" (890x315x520mm)	102 lbs (46kg)		50-DRZ33026ELL	Call	50-DRZ1593SSP	DRZ33026	DRZ33030
20	30	Round	45.7x20.2x22.1" (1160x513x560mm)	168 lbs (76kg)		50-DRZ1594ELL	50-00800035904	50-DRZ33027SSP	DRZ1594	DRZ31004
		Low Profile	38x15x23.5" (965x380x596mm)	166 lbs (75kg)		50-DRZ33027ELL	Call	50-DRZ1594SSP	DRZ33027	DRZ33031
30	45	Round	54.7x21.5x22.2" (1390x545x565mm)	266.8 lbs (121kg)		50-00800035705	DRZ0576CRW	50-00800035708	D00800035719	DRZ0926
		Low Profile	47.2x16.3x25.6" (1200x415x650mm)	273.4 lbs (124kg)		50-00800037405	50-00800037404	50-00800037408	D00800037419	DRZ33111
50	75	Round (MK14 S17)	51.5x27x28.1" (1308x685x713mm)	385.8 lbs (175kg)		50-00800041905	50-00800041904	50-00800029208	D00800041919	Call
		Round (MK10 S9)	Call	385.8 lbs (175kg)		50-00800029205	50-00800029204	Call	D00800042519	DRZ0927
		Low Profile	60.2x15x30.3" (1530x380x770mm)	390.2 lbs (177kg)		50-00800041005	50-00800041004	Call	D00800041019	Call
100	150	Round (two liferafts)	66.5x29.9x30.5" (1690x760x775mm)	747.4 lbs (339kg)		50-00800035905	50-00800035904	50-00800035908	D00800035919	Call
		Round (single liferaft)	61.4x32.9x33.6" (1560x835x852mm)	666 lbs (302kg)		50-DRZ0576ELL	DRZ0576CRW	50-DRZ0576SSP	DRZ0576	DRZ0944
		Venturi (single liferaft)	57.1x29.2x31.5" (1450x740x800mm)	452 lbs (205kg)		50-DRZ33117ELL	DRZ33117CRW	DRZ33117SSP	DRZ33117	Call
151	151	Venturi	61.5x37.8x37.5" (1560x960x952mm)	792 lbs (359kg)		50-DRZ33118ELL	DRZ33118CRW	DRZ33118SSP	DRZ33118	Call

Optional roll-off cradles are available for single, double and triple container mounting/storage



IBA equipment pack includes compact paddles, safety knife, bailers, hand pump, sponges, sea anchor, signal mirrors and more



## MEANS OF RESCUE (MOR)

Unique design is fully approved and was specially developed to meet the latest requirements of the Roll on/Roll off passenger ships

These are now mandatory on RO/RO passenger ships as they provide a safe transfer of survivors from sea level to the deck of a ship in recovery situations

Manufactured with a durable polyurethane (PU) coated fabric and assembled using the advanced SurvitecZodiac Thermobonding™ hot assembly technique, which eliminates the inconsistencies inherent in gluing methods

The fabric's chemical nature and the Thermobonding™ process make MOR units especially inert to the aging factors in the Marine environment

Provides extreme strength and safety when loaded

Supplied in a light, short sized, distinctive orange color round container with hydrostatic release unit (HRU) assembly, lashing and cradle for U.S. product only



APPROVALS:   



PRODUCT	CAPACITY	CONTAINER TYPE	A X B X C DIMENSIONS	WEIGHT	V	PRODUCT #
MOR	10 Person	Round N13B	52x24x25" (1275x590x610mm)	325 lbs (147kg)		DRZ0081

## RESCUE C.A.S.E.

Sometimes an approved liferaft isn't necessary for coastal or recreational boaters based on the size and use of their boat, along with being inland or in very close proximity to the coast

Rescue Compact Air Survival Equipment, or Rescue C.A.S.E., is lightweight and compact for limited storage situations small boats

Provides the ideal tool for helping to maximize safety for recreational boaters who commonly carry 2-6 people on board

Intuitive design with six-sided construction and multiple life lines

Includes a CO2 inflation system and overfill relief valve

Five (5) 100 lbs ballast pockets along the bottom to help with stability

Loading ladder instead of a stirrup to improve the speed to board

Retro-reflective tape to aid with visual detection during a rescue

Can be easily be thrown overboard to activate by any able-bodied adult



 Crewsaver®

PRODUCT	CAPACITY	CONTAINER TYPE	A X B X C DIMENSIONS	WEIGHT	S	PRODUCT #
Rescue C.A.S.E.	6 Person	Valise	16.5x13.1x6.5"	25 lbs		55-00010

## RECREATIONAL LIFERAFTS

Economically priced and high quality recreational liferafts that come complete in your choice of a valise or low profile container with side handles

RINA Class and Type A ISO 9650-1 type 1 approved liferaft is suitable for sailboats operating under MCA code of practice requirements, and has 4 x 63L weighted water ballast pockets along the bottom

Mariner liferaft is suitable for powerboats and leisure vessels not going offshore, and has 2 x 45L weighted water ballast pockets along the bottom

Constructed of high quality PVC orange tubes and a bright orange canopy which can be opened and closed from either side

Includes a 12 year warranty if the liferaft is serviced by an approved service station in our extensive global network every 3 years

Optional extra cradle, webbing assembly and HRUs are also available

TYPE 1  
ISO-Approved



Mariner



APPROVALS: 



PACKED EQUIPMENT	MAR	ISO <24H	ISO >24H	CAPACITY	CONTAINER	PACK	PACKED DIMENSIONS	WEIGHT	S	V	PRODUCT #
Bellows	1	1	1	4 Person	Low Profile	Mariner	30x20x12" (74x51x29cm)	77.6 lbs (35.2kg)	S	V	96650360
Floating knife	1	1	1			< 24H	30x20x12" (76x51x29cm)	91 lbs (41.2kg)			96610610
Signalling whistle	1	1	1			> 24H	30x20x12" (76x51x30cm)	115 lbs (51.9kg)			96610620
Repair kit	1	1	1		Valise	Mariner	26x18x11" (66x43x26cm)	66.6 lbs (30.2kg)			96650361
Paddles	2	2	2			< 24H	28x17x11" (69x41x28cm)	81 lbs (36.5kg)			96610611
Bailer	1	1	1			> 24H	28x19x12" (71x48x30cm)	104 lbs (47kg)			96610621
Sponges	1	1	1	6 Person	Low Profile	Mariner	30x20x12" (75x51x29cm)	83.6 lbs (37.9kg)			96650362
Rescue quilt and line	1	1	1			< 24H	30x20x12" (76x51x30cm)	100 lbs (45.4kg)			96610612
Floating anchor	1	1	1			> 24H	33x21x13" (84x53x31cm)	137 lbs (61.8kg)			96610622
Immediate action sheet / survival instructions	1	1	1		Valise	Mariner	27x17x11" (69x41x26cm)	72.8 lbs (33.0kg)			96650363
Water-tight torch with spare batteries/bulb	-	1	2			< 24H	28x19x11" (71x48x27cm)	91 lbs (41.4kg)			96610613
Drinking water/person	-	-	1.5L			> 24H	29x20x12" (73x49x30cm)	124 lbs (56.3kg)			96610623
Food rations/person	-	-	500g	8 Person	Low Profile	Mariner	30x20x12" (76x51x29cm)	91.7 lbs (41.6kg)	96650364		
Hand flares	-	3	6			< 24H	33x22x12" (84x54x30cm)	110 lbs (49.8kg)	96610614		
Parachute rockets	-	2	2			> 24H	33x21x14" (83x54x34cm)	155 lbs (70kg)	96610624		
First aid kit	-	-	1		Valise	Mariner	28x17x11" (69x41x26cm)	Call	96650365		
Heliograph	-	1	1			< 24H	29x19x11" (73x49x27cm)	98 lbs (44.4kg)	96610615		
Thermal protective aid	-	-	2			> 24H	32x20x12" (79x50x30cm)	141 lbs (63.9 lbs)	96610625		
Seasickness bags /person	-	1	1	10 Person	Low Profile	< 24H	33x22x12" (84x54x30cm)	117 lbs (53.0kg)	96610616		
Anti-seasickness tablets/person	-	6	6			> 24H	34x25x12" (85x64x31cm)	170 lbs (77kg)	96610626		
						> 24H	32x20x13" (81x50x32cm)	157 lbs (71.3kg)	96610627		

## OCEAN RECREATIONAL LIFERAFTS

ISO9650-1 models have Lloyds Class ISO approval and insulated floor suitable for voyages farther from land

The best blend of high performance and value for the money

Includes a 12 year warranty if the liferaft is serviced by an approved service station in our extensive global network every 3 years

Two packaging options: a sleek, weather-resistant valise or a tough, lightweight low profile container

Bright orange PU tubes with taped corners to aid longevity

A semi-rigid boarding ramp and webbing ladder for quick, easy and safe boarding, in addition to interior and exterior lifelines

Easy to locate righting lines in case of accidental capsizing

Interior and exterior lifelines help occupants stabilize themselves in high seas

Exterior pressure relief valves ensure excess CO2 is not released into the liferaft

Comes with thermally insulated floor (only on ISO models)

The canopy is manufactured in a tough Polyurethane (PU) coated nylon - 170g/sqm and features a simple zip-closed canopy door, rainwater catcher on the rear and lookout sleeve located on the side

High visibility SOLAS standard reflective tape is sewn into the canopy, and an external SOLAS standard strobe light is attached at the top, both helping make it easier for search and rescue teams to locate the liferaft in the darkness of night

Includes an internal SOLAS standard LED light so that occupants have visibility inside the canopy during night

High volume water ballast pockets ensure maximum liferaft stability when inflated: 4 person has 2 x 84 liter water pockets, 6, 8 & 10 person has 3 x 84 liter water pockets, and 12 person has 5 x 60 liter water pockets

Constructed of high quality PVC orange tubes and a bright orange canopy which can be opened and closed from either side

Includes a 12 year warranty if the liferaft is serviced by an approved service station in our extensive global network every 3 years

Optional extra cradle, webbing assembly and HRUs are also available



Valise



Low Profile Container



APPROVALS: 



PACKED EQUIPMENT	COASTAL	ISO <24H	ISO >24H	CAPACITY	CONTAINER	PACK	PACKED DIMENSIONS	WEIGHT	S	V	PRODUCT #
Seasickness bags/person	1	1	1	4 Person	Low Profile	Coastal	32x23x9" (81x59x23cm)	76 lbs (34.4kg)			95078
Floating anchor	1	1	1			< 24H	32x23x9" (81x59x23cm)	80 lbs (36.1kg)			95065
Drinking water/person	-	-	1.5L			> 24H	32x23x10" (81x59x26cm)	106 lbs (47.8kg)			95060
Rescue quoit and line	1	1	1		Valise	Coastal	28x20x9" (71x51x23cm)	65 lbs (29.4kg)			95081
Repair kit	1	1	1			< 24H	28x20x9" (71x51x23cm)	69 lbs (31.1kg)			95074
Sponges	1	2	2			> 24H	28x20x9" (71x51x23cm)	92 lbs (41.6kg)			95070
Thermal protective aid	-	-	2	6 Person	Low Profile	Coastal	32x23x10" (81x59x26cm)	90 lbs (40.8kg)			95079
Bellows	2	1	1			< 24H	32x23x10" (81x59x26cm)	94 lbs (42.4kg)			95066
Food rations per person	-	-	10,000kj			> 24H	32x23x13" (81x59x33cm)	127 lbs (57.7kg)			95061
Parachute rockets	-	2	2		Valise	Coastal	28x20x9" (71x51x23cm)	76 lbs (34.4kg)			95082
Hand flares	-	3	6			< 24H	28x20x9" (71x51x23cm)	80 lbs (36.2kg)			95075
Use and survival instructions manual	-	1	1			> 24H	31x20x11" (79x51x28cm)	113 lbs (51.1kg)			95071
Distress signal table	-	1	1	8 Person	Low Profile	Coastal	32x23x10" (81x59x26cm)	102 lbs (46.2kg)	95080		
Water-tight torch with spare batteries and bulb	-	1	2			< 24H	32x23x10" (81x59x26cm)	106 lbs (47.8kg)	95067		
Heliograph	1	1	1			> 24H	33x26x13" (84x66x33cm)	146 lbs (65.9kg)	95062		
Signalling whistle	1	1	1		Valise	Coastal	31x20x11" (79x51x28cm)	88 lbs (39.9kg)	95083		
Floating knife	1	1	1			< 24H	31x20x11" (79x51x28cm)	92 lbs (41.7kg)	95076		
First aid kit	-	-	1			> 24H	32x21x12" (81x53x31cm)	135 lbs (60.9kg)	95072		
Anti-seasickness tablets/person	-	6	6	10 Person	Low Profile	< 24H	32x23x13" (81x59x33cm)	119 lbs (54kg)	95068		
Paddles	2	2	2			> 24H	33x26x14" (84x66x36cm)	170 lbs (77kg)	95063		
						Valise	< 24H	31x20x11" (79x51x28cm)	105 lbs (47.4kg)	95077	
					> 24H		32x21x12" (81x53x31cm)	157 lbs (70.9kg)	95073		
					Low Profile		< 24H	32x23x13" (81x59x33cm)	126 lbs (57kg)	95069	
						> 24H	33x26x14" (84x66x36cm)	186 lbs (84.4kg)	95064		
				12 Person	Valise	< 24H	32x21x12" (81x53x31cm)	112 lbs (50.5kg)	Call		

## AEROLITE AVIATION LIFERAFTS

Approved to the highest standards including US FAA, UK CAA and EASA specifications

Our leading range of canopied liferafts for Aviation customers, the Aerolite, is designed to be uniquely suitable for multiple fixed and rotary-wing applications including commercial and military use

Tried and tested in a large number of emergency situations including search & rescue missions, the Aerolite has proven effective across all aircraft types from executive jets to large military transporters and airlines

Self-erecting high stability twin buoyancy tubes are manufactured from polyurethane proofed (PU) nylon fabric with automatic inflation system and strong protective canopy to ensure maximum exposure protection against the most extreme elements

Comprehensive customer specific survival packs including FAR 91/135, JAR OPS 3

Open platform design dramatically improves boarding and rescue phase

Wide range of stowage options, including wing stowage

Optional equipment including customised survival packs, ELTs / PLBs and high intensity light units are available

Available on over 100 fixed and rotary wing platforms including:

- ATR 42
- Boeing B-767 and B-777
- C-130 Hercules
- CASA 212, 235 and 295
- Cessna Citation and P95
- Dassault Falcon
- EC135, EC145 and EC155
- Embraer 190
- Fokker 27, 50, 60 and 90
- Piaggio P-166
- S-61 and S-76



### APPROVALS:



RATED CAPACITY	OVERLOAD CAPACITY	# OF BUOYANCIES	PACKED DIMENSIONS	WEIGHT	PRODUCT #
4 Person	5 Person	1	24x18.5x5"	33 Lbs	Call
	6 Person	2	17.25x14.5x10.5"	37 Lbs	Call
5 Person	8 Person	2	10.4x14x17.3"	56.5 Lbs	Call
6 Person	9 Person	2	31x17x8.5"	54.5 Lbs	Call
11 Person	17 Person	2	33x18x9.5"	67 Lbs	Call
32 Person	48 Person	2	29.5x24x11.8"	139 Lbs	Call
33 Person	50 Person	2	39x29x17.5" >10	137 Lbs	Call
46 Person	69 Person	2	50x25x7"	132 Lbs	Call

Weights and dimensions listed above are approximate and may be subject to slight variation



## LIFERAFT CRADLES

Most brands of commercial liferafts from Survitec are sold packed in their container with a universal cradle kit (shown to the left) and a hydrostatic release unit (HRU)

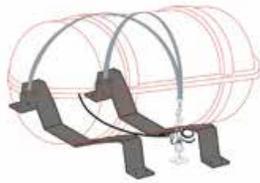
If you would like to order a MKIV cradle without a liferaft, for one of the brands shown to the top left, contact your Sales Manager for details and use the listed product #

The Crewsaver stainless steel deck cradle and rail mount kit are compatible with all models of recreational liferafts including the Ocean (Coastal, ISO <24H, ISO >24H), the Mariner, and the ISO Type I (<24H and >24H)



A sampling of the other liferaft cradles available depending on your needs is shown below

SZ Universal Galvanized Steel Cradle



SZ Stainless Steel Cradle



SZ Aluminum LPC Cradle



SZ White Fiberglass Round Container Cradle



DBC 4 Person IBA Cradle



DBC Aluminum Deck Cradle with Lashings



DBC Stainless Steel Deck Cradle with Lashings

## H2O HRU

Hydrostatic release unit has glass fiber-reinforced nylon connection with 2 year usable life from date of installation



**HAMMAR**

PRODUCT	S	PRODUCT #	V	PRODUCT #
Hammar H2O HRU		40-H20-06365009		DRE01002



PRODUCT	COMPATIBILITY	S	PRODUCT #
Universal Cradle Kit	All brands of Mark IV size 6-50 liferafts in round/barrel containers		40-52639001
Welded Universal Cradle	Legacy cradle for liferafts in MK10 size 4, 6, 7, 9 round containers		5RA1476-1



**Crewsaver**

PRODUCT	COMPATIBILITY	V	PRODUCT #
Stainless Steel Deck Cradle	All Crewsaver Recreational Liferafts in GRP LPC		DCR06001
Railmount Kit			DKI04201



PRODUCT	COMPATIBILITY	V	PRODUCT #
SurvitecZodiac Universal Galvanized Steel Cradle	All SurvitecZodiac round Containers, excluding 37 person davit-launch, 50 person throw-over and 100 person IBA		DCR52639001
SurvitecZodiac Stainless Steel Cradle	All brands and sizes of GRP LPC		DRZ5803
SurvitecZodiac Aluminum Cradle for Low Profile Containers (LPC)	4-6 person Coastal liferaft, 4-6 person IBA LPC		DRZ03501
	4 person A/B, 6 person B		DRZ03504
	8 person Coastal, 10 person IBA		DRZ03508
	6 person A, 8 person B, 12 person B, 20 person IBA		DRZ03502
	8 person A, 10 person A/B, 12 person A, 30 person IBA		DRZ03503
SurvitecZodiac Aluminum Cradle for Round Containers	16 person A/B, 20 person A/B, 2009 Vintage, 12 person A/B		DRZ03500
	50 person throw-over, 100 person IBA		DRZ03416
	All round containers except 50 person TO and 100 person IBA		DRZ5804
SurvitecZodiac White Fiberglass Round Container Cradle	6 person A/B, 8 person A/B, 10 person B		DRZ5852
	10 person A, 12 person B, 16 person B		DRZ5867
	12 person A, 16 person A, 20 person B, 25 person B		DRZ5862
	20 person A		DRZ5853



PRODUCT	COMPATIBILITY	V	PRODUCT #
DBC Cradle	4 person IBA		DCR09103
DBC Aluminum Deck Cradle complete with Lashings	Container size 1		DCR09116
	Container size 2		DCR09124
	Container size 3		DCR09128
	Container size 4		DCR09132
DBC Stainless Steel Deck Cradle complete with Lashings	Container size 1		DCR09137
	Container size 2		DCR09143
	Seafort size 3		DCR09146
	Seafort size 4		DCR09149

## DAVIT-LAUNCH STACKING CRADLE

Designed for both shipyards and operators, providing a complete set of these liferafts with reduced operation for deck installation

Liferafts are set up on a galvanized steel cradle either as a single liferaft or a set of 2 liferafts

Liferafts are delivered prefitted on a galvanized steel deck cradle for portability during installation or removal for servicing by either a forklift or pallet jack, completely fitted with lashing, HRU and painters connected

Single Stack



Double Stack



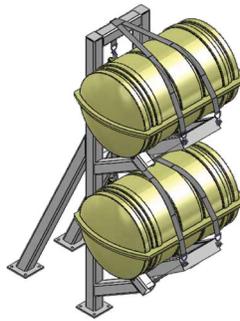
Installation on the deck only involves the welding of 2 steel hinges



## LIFERAFT ROLL-OFF CRADLE

The cradle is welded steel construction and hot dip galvanized to maximize corrosion resistance, and all fastenings are made of stainless steel

Single, double and triple liferaft roll-off cradles are designed to accommodate round containers for 6-50 person liferafts and 100 person IBAs with each individually released manually or by HRU



Double Roll-off Cradle

## LIFERAFT DECELERATING SYSTEM

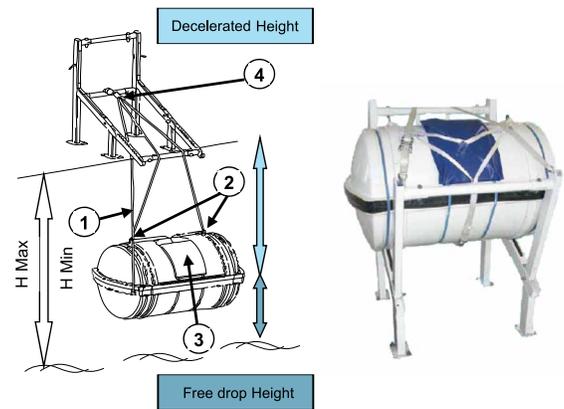
Designed for extreme height storage of throw-over liferafts packed in round containers on a tilting or fixed cradle such as those fitted on oil rigs

This system allows the stowage height to be increased over the standard approved stowage height by controlling the descent speed of the liferaft during the major part of its fall and reducing the impact of the liferaft on the water

Deck installation of the decelerating system is simple, with operation similar to conventional throw-over liferafts and no special training needed for the crew to launch

The system consists of a pocket (#3 in diagram); 2 "U" bolts (#2 in diagram) fitted onto the upper shell of the container; a suitable length painter line for the drop distance (#1 in diagram), where the loose end of the decelerating system and painter line are connected to the HRU (#4 in diagram)

Compatible liferafts fitted with a decelerating system are MED approved up to a 50 meter installation height

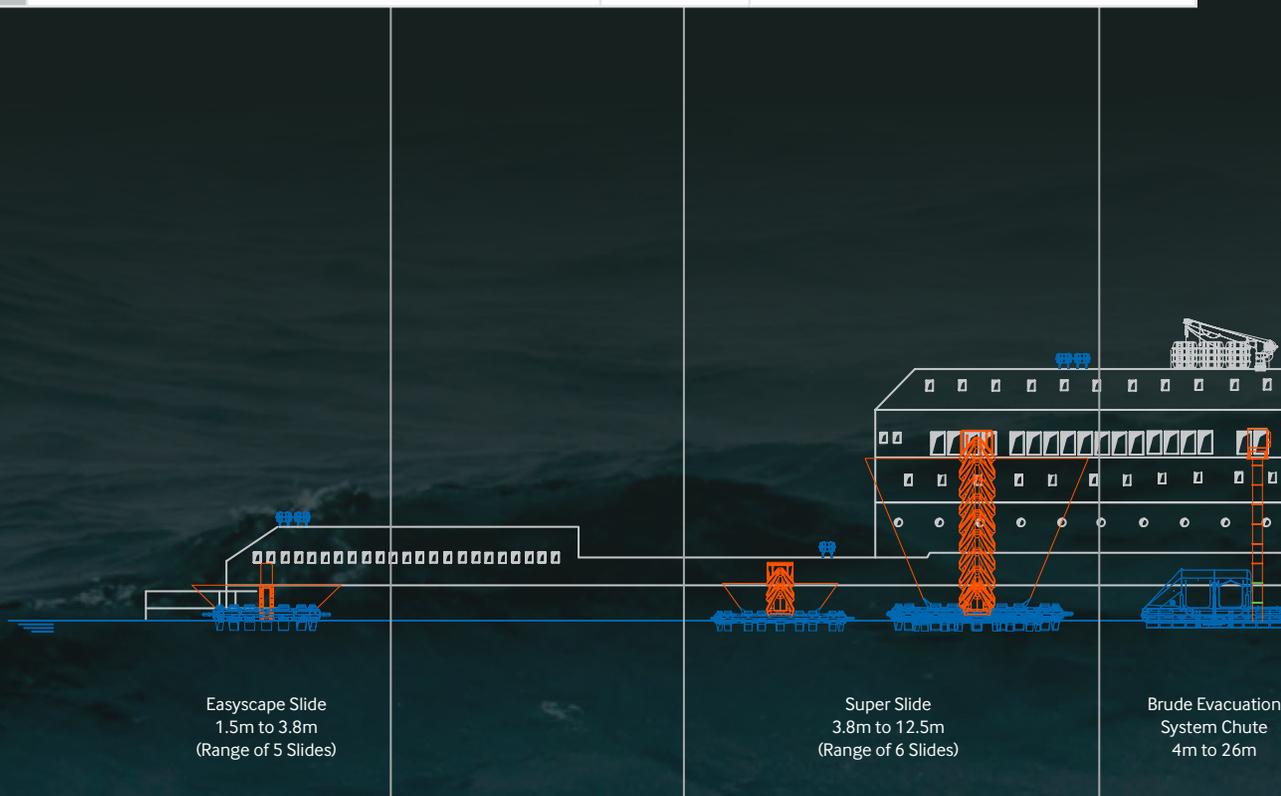


PRODUCT	MOUNT / CONTAINER	A X B X C DIMENSIONS	SOLAS PACK TYPE / WEIGHT	PRODUCT #	
25 person Davit-Launch Liferaft Stacking Cradle	Single	N16B	58x30x32" (1450x740x800mm)	A 486 lbs (220kg)	Call
		N22B	61x35x34" (1530x880x845mm)	B 353 lbs (160kg)	Call
	Double	N16B	58x30x32" (1450x740x800mm)	A 971 lbs (440kg)	Call
		N22B	61x35x34" (1530x880x845mm)	B 706 lbs (320kg)	Call
37 person Davit-Launch Liferaft Stacking Cradle	Single	N17B	60x38x38" (1500x945x950mm)	A 728 lbs (330kg)	Call
		N18B	62x33x34" (1560x835x850mm)	B 508 lbs (230kg)	Call
	Double	N17B	60x38x38" (1500x945x950mm)	A 1456 lbs (660kg)	Call
		N18B	62x33x34" (1560x835x850mm)	B 1016 lbs (460kg)	Call
37 person Self-righting Davit-Launch Stacking Cradle	Single	N18B	62x33x34" (1560x835x850mm)	B 508 lbs (230kg)	Call
	Double	N18B	62x33x34" (1560x835x850mm)	B 1016 lbs (460kg)	Call
Liferaft Roll-Off Cradle	Single	SRA1472-2	Call	Call	
	Double	SRA1475-2	Call	Call	
	Triple	SRA1473-2	Call	Call	
Liferaft Decelerating System	Call	Call	Call	Call	

# CHOOSING THE RIGHT ONE: EVACUATION SYSTEMS

EVACUATION SOLUTION	PRODUCT ADVANTAGES
MES (Marine Evacuation System)	For evacuation of a far greater number of people than a liferaft, using less deck space than the equivalent quantity of liferafts and completely custom configured for each specific vessel.
MAS (Mass Evacuation System)	For evacuation a great number of people from large installations such as oil rigs with and complete custom configuration based on the style and location of the facility.
Evacuation System	For evacuation of a medium number of people and the ideal range of solutions for land-use because a survival craft component is unnecessary.
Transfer Devices	For evacuation of small numbers of people during a non-emergency event.
Emergency Ladder	Most lightweight solution that is simple and easier to use than a knotted rope.
Personal Evacuation Device (PED)	Mobile solution that travels with the user and is cost-effective enough to outfit each person so that if they cannot make it to the lifeboats, they still have the ability to deploy and evacuate from their current position.

MES SYSTEM	BEST SUITED FOR	APPROVALS	CUSTOMERS EMPLOYING SYSTEM
Easyscape Slide	Ferries and high speed vessels requiring a relatively light-weight system such as catamarans. Lightest system available and can deploy from freeboard heights up to 3.7m.	USCG, TC, SOLAS, EC/MED	French Navy, Newfoundland Ferries
Superslide	High speed vessels requiring a relatively light-weight system such as fast ferries and catamarans. Lightest system available in this height range and can deploy from freeboard heights up to 12.5m.	USCG, TC, SOLAS, EC/MED	Calmac Ferries, Conseil Gen de la Gironde, French Navy, Marine Nationale, Norled, Owen Sound Transportation, Russian Navy, Ven Trafikken
Brude Evacuation System Chute	Ferries, RoPax, Cruise Ships and for Special Purpose Ships (Brude MES Chute SPS)	USCG, TC SOLAS, EC/MED	Balearia, Ceksan, Cemre, CMHI, Dockwise, Havyard, Meyer, Mitsubishi, Moby, Myklebust, Navantia, Navigations, Neptun, Posco, Remontova, Sefine, Tersan, Tremestieri, Volcan de Tinamar
Marin Ark	Large vessels with high freeboard decks, ferries naval vessels and world leading ships of the cruise industry. High degree of functionality, twin chutes with fewer liferafts, requires minimal crew to activate and can deploy from up to 28m.	USCG, TC, SOLAS, EC/MED	Atlantic Marine, BC Ferries, Celebrity Cruises, Danish Navy, PAU Cruises, Princess Cruises, RCCL Cruises, Royal Australian Navy, Spanish Navy, Stena Line, STQ, UK Navy, US Navy

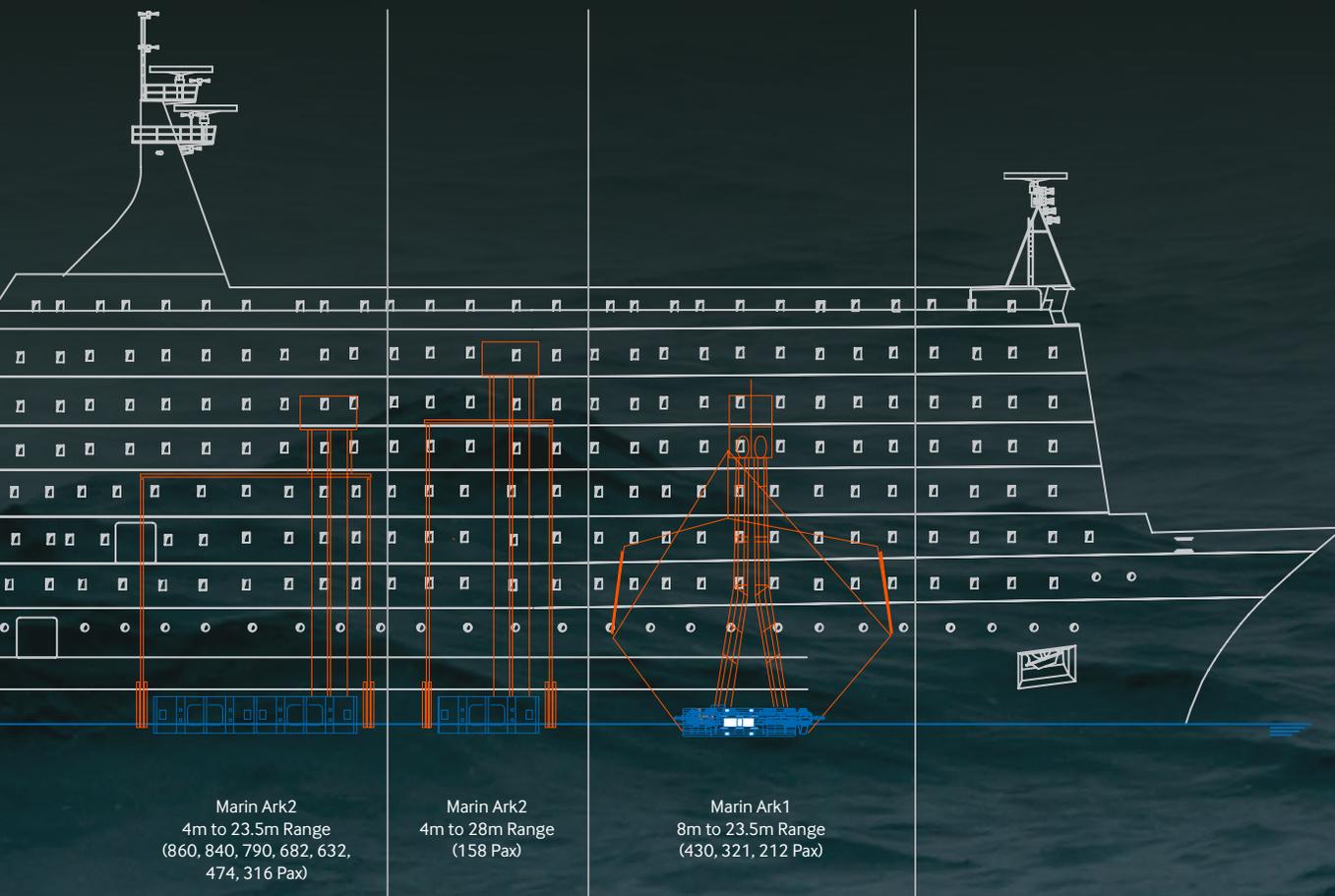


Survitec is pleased to offer you the best brands in the business, delivering the highest quality and performance available in the industries we serve.

BRAND	PRODUCTS AND GENERAL DESCRIPTION	BRAND	PRODUCTS AND GENERAL DESCRIPTION
	<b>Evacuation Systems.</b> Strong Norwegian brand with a growing selection of TC approved evacuation solutions that utilize DSB liferafts.		<b>Transfer Devices.</b> Innovative brand with over 20 years of experience in the safety industry, delivering the safest personnel and cargo transfer by crane.
	<b>Emergency Ladders.</b> U.K. brand of purpose-built safety solutions with history of supply to the British Military.		<b>Evacuation Systems.</b> Preferred brand for foreign-flagged vessels across the world with the largest international service station network.
	<b>Evacuation Systems.</b> Important Canadian brand with long heritage in all aspects of North American maritime industries.		<b>Evacuation Systems.</b> Company brand for in-house, custom solutions that fulfill your safety and survival requirements precisely.
	<b>Personal Evacuation Devices.</b> UK brand of tailored solutions for protection of personnel with nearly 30 years of experience within the safety industry.		<b>Evacuation Systems.</b> Favored brand in global marine fleets with high quality design and workmanship, as well as extensive world-wide service station coverage.

Each installation of an evacuation system is custom installed to the particular application and vessel/structure. For example, in conformance with SOLAS III/20-8.1 & HSC 8.9.7, Marine Evacuation System (MES) servicing must always be performed in an approved service station and the servicing of the system or liferaft may not exceed 12 months (may be extended by the Maritime Administration). An example of our process is outlined below followed by a range graphic that denotes different systems based on freeboard:

SYSTEM SUPPLY PROCESS	
0	We provide full technical services, from the conceptual arrangement design in response to a request for quote, to the final technical documentation after approval tests of the installation on a vessel, rig or building.
1	Gather the technical information for the project and prepare the proposal including a conceptual arrangement drawing of the MES, an evacuation procedure, a scope of supply, scope of price, the commercial conditions, and a technical documentation on the supplied equipment.
2	Upon receipt of the order, a Survitec installation engineer will prepare and issue an initial general arrangement drawing with full details of the equipment and their proposed position, as well as a corresponding initial evacuation procedure. These documents, which will serve as a support for the training of crew members, will be sent to the customer for approval before commencement of the equipment production and supply.
3	The commissioning phase consists of installing the MES onboard the vessel, performing a harbor trial deployment, training of the crew members, then re-packing and re-installing the deployed equipment.
4	Final MES File: This file is composed of the commissioning report with the authority's approval signature, the final GA drawing, the owner and installation manuals, onboard maintenance manuals for each system item and a training DVD.



# LOW FREEBOARD EVACUATION SYSTEMS

## LOW FREEBOARD MES (UP TO 3.8M) EASYSCAPE SLIDE

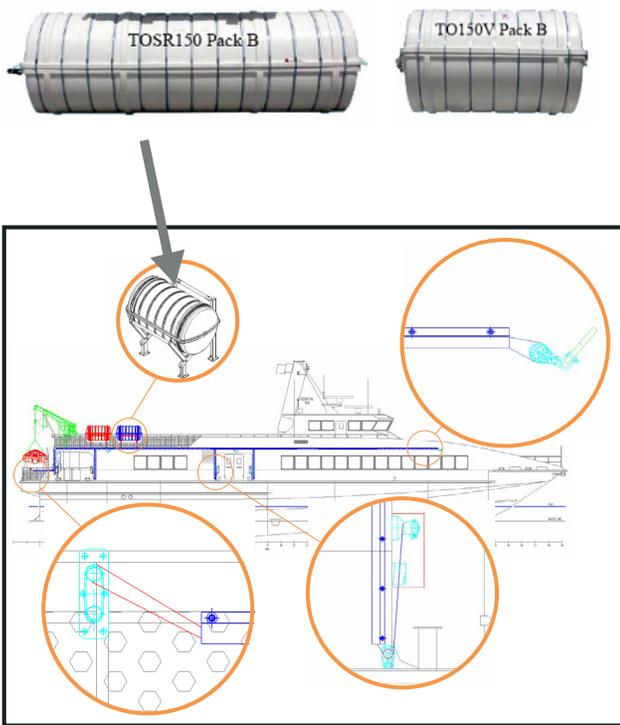
SOLAS Approved for use on IMO HSC as well as small passenger vessels and consists of a mini slide and liferaft/IBA

The slide is stored in an individual bag near the evacuation station and the liferaft is stored in its round container, generally on a different deck

The liferafts are launched remotely, inflated, bowsed into position using either manual or automatic electric winches, then a mini slide is inflated and deployed into the liferaft so that evacuees may depart the vessel down the slide and into the liferaft

Suitable for vessels with 1.5 to 3.8 meter freeboard

RoundContainers  
with lightweight liferaft



## LOW FREEBOARD MES (UP TO 3.8M) EVACUATION SLIDE SYSTEM (ESS)

The Evacuation Slide System is a 50-151 person capacity IBA packed together with a mini slide in a unique stowage container which is integrated into the ship's bulwark or side rails

When deployment is initiated the IBA inflates, the mini slide is automatically inflated into the IBA, and once inflated is bowsed to the ship's side so that evacuation may commence

The ESS is handicap accessible for physically disabled persons and suitable for small passenger vessels with 1.5 to 3.8 meter freeboard where weight is an important consideration

To operate, the Captain presses the button of the remote release unit and the ERU is activated to release the lashing, and this initiates the inflation of the airbag which pushes the box overboard

The platform and slide inflate automatically at the drop and the winches start 15 seconds after the button has been pressed, and stop when the bowing lines are in tension with 100 kg load

The first passenger or crew member removes the door locking pin and pushes the door open; evacuation starts



PRODUCT	SLIDE	SURVIVAL CRAFT	PRODUCT #
Easyscape Slide	Call	50 person SR liferaft	Call
		100 person SR liferaft	Call
		150 person SR liferaft	Call
		50 person IBA	Call
		100 person IBA	Call
		150 person IBA	Call
Evacuation Slide System (ESS)	2.5m	50/75 person IBA	Call
	3.2m	100/150 person IBA	Call
		50/75 person IBA	Call
	4.0m	100/150 person IBA	Call

# LOW FREEBOARD EVACUATION SYSTEMS

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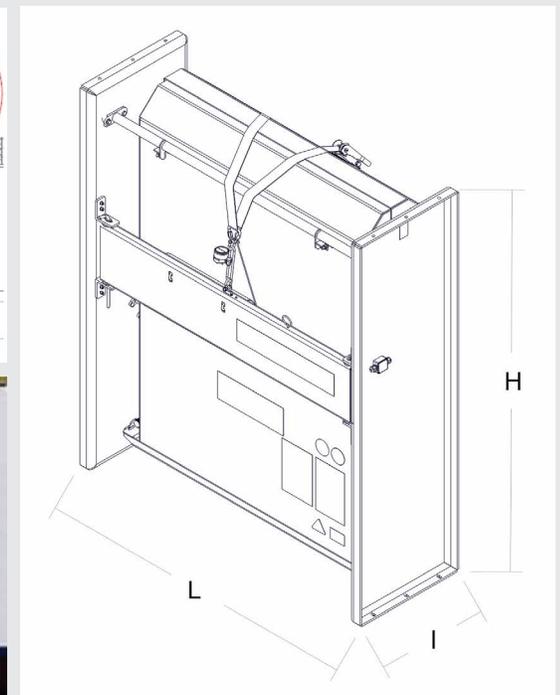
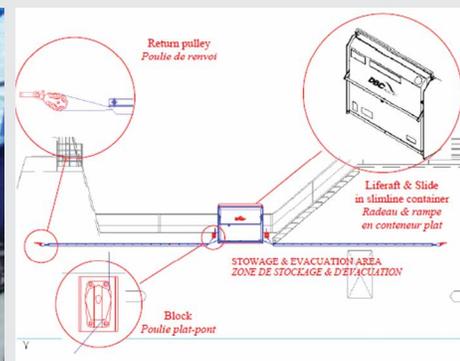
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The first passenger or crew member removes the door locking pin and pushes the door open; evacuation starts.



PRODUCT	SLIDE	SURVIVAL CRAFT	PRODUCT #
Evacuation Slide System (ESS)	2.5m	50/75 person IBA	Call
		100/150 person IBA	Call
	3.2m	50/75 person IBA	Call
		100/150 person IBA	Call
	4.0m	50/75 person IBA	Call
		100/150 person IBA	Call

# MEDIUM FREEBOARD EVACUATION SYSTEMS

## MEDIUM FREEBOARD MES (UP TO 12.5M) SUPERSLIDE

Twin track inflatable slide system that deploys at a right angle to the vessel and is available in 4 lengths for freeboard heights up to 12.5 meters

Packed together with several large capacity liferaft options (throw-over self-righting, throw-over or IBA) including those equipped with Venturi aspirators (using fewer gas cylinders and saving significant weight)

This allows the liferaft/IBA to be available immediately for boarding after it is deployed and bowsed

Can be configured with additional liferafts/IBAs stored in nearby, separate cradles and bowsed to the primary system, depending on vessel capacity required

MIS can evacuate 731 persons in 30 minutes for SOLAS passenger ship requirements, and 397 persons in 17min 40sec for High Speed Code (HSC) requirements

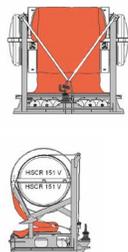
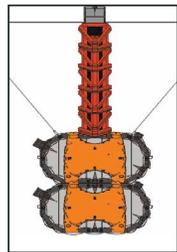
Approved via heavy weather sea trials, with Beaufort 6 wind conditions and minimum 3 meters significant waves

Allows for flexible installation in closed deck and open deck vessels, with electric remote release system which automatically performs a complete system test and a float-free system operates before the water reaches the evacuation deck

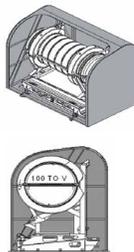
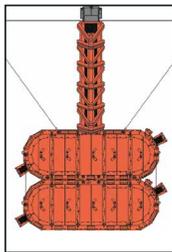
Reduced crew requirements for operation and easy to operate, featuring push-button system deployment and detachment of slide from raft

Simple and quick to install and re-install after service

### Enclosed/between decks installation



### Open/above deck installation



Deployment panel for activating system from evacuation system station or vessel bridge



PRODUCT	SLIDE	SURVIVAL CRAFT	V	PRODUCT #	
Superslide	Call	50 person SR liferaft		Call	
		100 person SR liferaft		Call	
		150 person SR liferaft		Call	
		50 person IBA		Call	
		100 person IBA		Call	
		150 person IBA		Call	
	Call	Call	50 person SR liferaft		Call
			100 person SR liferaft		Call
			150 person SR liferaft		Call
			50 person IBA		Call
			100 person IBA		Call
			150 person IBA		Call
	Call	Call	50 person SR liferaft		Call
			100 person SR liferaft		Call
			150 person SR liferaft		Call
			50 person IBA		Call
			100 person IBA		Call
			150 person IBA		Call
	Call	Call	50 person SR liferaft		Call
			100 person SR liferaft		Call
150 person SR liferaft				Call	
50 person IBA				Call	
100 person IBA				Call	
150 person IBA				Call	

# HIGH FREEBOARD EVACUATION SYSTEMS

## HIGH FREEBOARD MES (UP TO 28M) MARIN ARK1 AND MARIN ARK2 SOLAS

Already accepted by the leading names in the industry, the Marin Ark sets new standards for Marine Evacuation Systems

Among the largest dry shod Marine Evacuation Systems on the market, offering unparalleled safety coupled with value for money

Fully reversible liferafts ensure the system inflates upright each and every time

Marin Ark1 available in 212, 321 and 430 person capacities

Marin Ark2 available in 158, 316, 474, 632, 682, 790, 840 and 860 passenger capacities

Unique modular design features suspended floor to provide maximum thermal protection for survivors and multiple buoyancy compartments ensuring utmost safety in the toughest sea conditions

Revolutionary bowing system and evacuation slide path designed to meet the challenges of the latest modern wide beam vessels

Integrated service winch in the stowage unit allows the entire unit to be deposited onto a tug or truck during service periods, in most cases eliminating the requirement for a rental crane during service

Innovative dual helical spiral slide path allows for safe, rapid and controlled descent as well as crew ascent where necessary

Available in symmetrical and asymmetrical options, with between deck or open deck stowage available, enabling maximum design flexibility and installation on the widest range of vessel configurations

Compact all-in-one stowage design requires minimal deck footprint

One simple release action by one crew member activates the deployment of the system, which is fully inflated and operational within 90 seconds of deployment

Once deployed, the system is uniquely designed to ensure utmost stability in even the toughest sea conditions



PRODUCT	M V	PRODUCT #
Marin Ark1 SOLAS		Call
Marin Ark2 SOLAS		Call

## MANUAL REMOTE RELEASE SYSTEM (MRRS)

MRRS are designed to release liferafts, evacuation systems and other life-saving equipment on vessels of all types, with a maximum installation distance of 50 meters in length

Survival craft may be positioned in remote locations to save valuable deck space for passengers or cargo, and releasing them can be initiated from the bridge or other strategic locations to save precious time in an emergency

Release mechanism can be deployed irrespective of factors such as weather, smoke or fire, without the crew having to take any unnecessary risks

Initiation is achieved by means of a manually operated vacuum pump, that conveys the vacuum via stainless steel tubing to a release unit, which when activated a sharp knife blade cuts the rope sling holding the lifesaving equipment to be released

The MRRS may be retrofitted and vacuum pumps can be connected in parallel to give multiple control positions

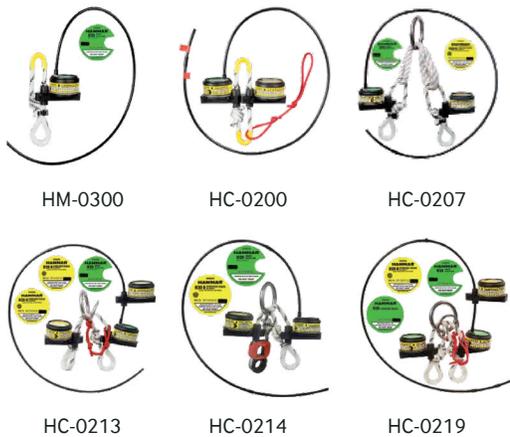
All systems require a minimum of maintenance and annual service, in which the system's function is checked once a year, then a new release unit is installed every two years after disposal of the old one

The whole installation is weatherproof and designed for a harsh marine environment

Standard MRRS consists of (1) vacuum pump with a non-return valve, stainless steel tubing for up to 50m length installations, (1) U-convolve and (1) MRU



Common output configurations are shown below but set-ups are fully customizable



## ELECTRIC REMOTE RELEASE SYSTEM (ERRS)

ERRS are designed to release liferafts, evacuation systems and other life-saving equipment on vessels of all types, with a maximum installation distance of 50 meters in length

These units can activate H2O ERU (Electric Remote Unit) or relay outputs (depending on configuration) and may be operated from several remote release positions by adding one or more remote push buttons

That makes the ERRS an extremely flexible system for the management and deployment of safety equipment on a vessel

ERRS (excluding ERRS BO) is powered by the vessel's 24 VDC emergency power supply, and most are also equipped with a back-up battery to enable operation if the main power supply is down

Most ERRS automatically perform system checks and monitor internal battery, emergency power voltage, ERU circuits and the wiring to external activation switches so that if an error is detected, an alarm message will appear on a display or on the LED indicator (depending on unit) and an alarm output is activated

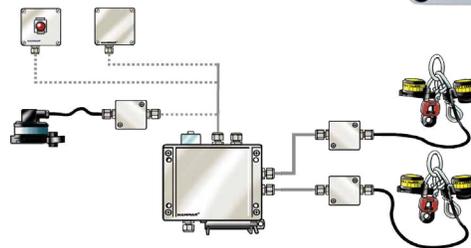
The systems are designed to be user friendly, require a minimum of maintenance and easy to install, even for retrofit

A sample of system concepts are shown here but additional options and components are available

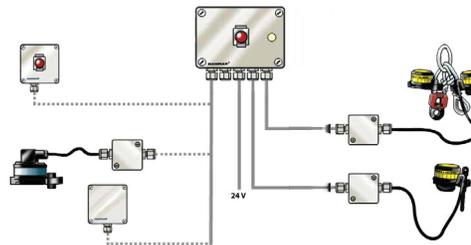
Control panels can be integrated into your ERRS and all set-ups are fully customizable to meet your vessel's unique requirements



RS (Release Switch)



BO (Battery Operated)



IAD (List Angle Detection)

**HAMMAR**

PRODUCT	PRODUCT #
Hammar MRRS	Call
Hammar ERRS	Call

# OIL & GAS EVACUATION SYSTEMS

## O&G MES (UP TO 65.0M) MAS-67 MAS EVACUATION SYSTEM

Provides reliable, alternative means of rapid evacuation of up to 150 personnel from offshore facilities when primary evacuation methods are impaired, inaccessible or unavailable

Lloyd's Register of London Type-Approved during a sea trial that included waves over 5m high and Beaufort 7 level wind speeds

Maximum operating height of 65m and can be supplied with heat tracing for Arctic conditions

4 heavy duty 20,000 lb lifting shackles included for lifting and lowering the system into position on the slide frame, using the vessel or platform crane

### Container:

Blast-proof containment is designed and tested up to 5psi @ 200msec utilizing 1250lb of high explosives ANFO at a standoff distance of 110ft

Container provides enclosed components, chute system and any occupants with protection during volatile emergency situations where there is a gas leak, explosion and radiated heat

Rear door access and a hazard-resistant outer cladding, mounted to a bolt-down skid frame, with over-side cantilever section

Internal structural support frame is bolted to the inside of the container, and supports a pneumatic winch with power pack, cables, pulley system, escape chute and an explosion-proof lighting system rated for hazardous area use (Classification Zone I Div 1 Class I)

### Deployment Components:

Gravity-braked winch with hydraulic motor accuates with capacity as necessary to recover the system twice (two cycles)

Three wire cable and pulley system connected to the winch drum and terminating at the tensioning cans

### Integrated Chute / Platform:

Evacuation can be made within 10 minutes of deployment from topsides down to sea level via a fire and smoke protected vertical, telescoping escape chute, directly into a single SOLAS-approved, liferaft

Single-entry main chute is made from DuPont Kevlar V450, capable of withstanding up to 4,000 lbs of dead weight and providing protection from up to 1200°F (650°C) heat flux

Micro-netted outer chute tube is made from one complete length of Kevlar and has 3/4" stainless steel tubes sewn into each 48" section, as well as a Kevlar slide to provide each cell an opposing zig-zag for rapid egress by evacuees sliding from section to section

Optional, solid, fully enclosed outer electro fiberglass layer can be supplied at deck levels or to air gap to offer an additional 1200°F (650°C) heat flux protection

Accommodates evacuees wearing lifejackets or immersion suits

Chute connects to an integrated, buoyant, break-away landing platform, which is configurable to enable the liferaft to freely rotate around the platform by means of a hoop/bearing assembly, fully eliminating the challenge and danger of cross-boarding to other liferafts at sea level

### Liferaft:

Configuration sizes available are a single 50 person, 100 person or 150 person high capacity liferaft that sites below the chute column and disconnected to float free after all evacuees have descended

Low maintenance when compared to similar systems and annual inspections are cost-effective

### Tyco Thermal Controls Heat-Tracing:

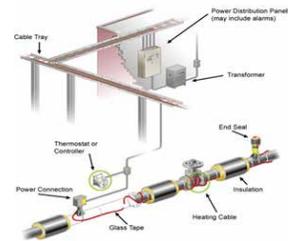
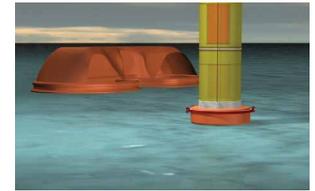
Optional electric heating cables maintain temperature of not-flowing fluids by replacing the heat lost through thermal insulation on pipes and associated equipment, offering sub-zero protection down to -46° F

All electrical components are suitable for Zone 1.2 and hazardous area locations; classification with all electrical terminals glanded and enclosed in an Eexd enclosure with IP66 immersion, suitable for Class1. Div1

Voltage options are suitable for operational locations and in most cases are 110V or 220V (intrinsically safe version also available)

Heat tracing elements and coils are controlled from a purpose-built control panel located in the main PBC container, and provide thermal heat to protect all system components from freezing including the lower chute container, main chute, platform and liferaft, as well as all mechanical and moving parts

Remote monitoring and alert is available, so that if the temperature of the element or coil reaches the pre-set low temperature, an audible alarm will sound and an on-screen visual warning sent to the main control panels and designated systems

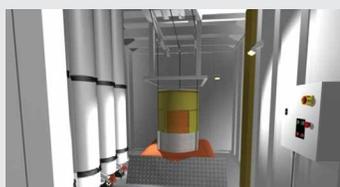


A demonstration animation of the system may be viewed by visiting:  
[HTTP://WWW.YOUTUBE.COM/WATCH?V=IASNK\\_H3-VQ](http://www.youtube.com/watch?v=IASNK_H3-VQ)

### APPROVALS:



PRODUCT	CONFIGURATION OPTIONS	LIFERAFT SIZE	PRODUCT #	
MAS-67	With Electro Fiberglass Layer	With Heat Tracing	50 Person	
			100 Person	
			150 Person	
	No Electro Fiberglass Layer	No Heat Tracing	50 Person	Each system is custom-configured with the number of chute cells and other details outlined within the Survitec supply, install and service contract for the specific project
			100 Person	
			150 Person	
	With Heat Tracing	50 Person		
		100 Person		
		150 Person		



# OIL & GAS EVACUATION SYSTEMS

## O&G MES (FIXED AND VARIABLE HEIGHTS) IECS-66 MASS EVACUATION SYSTEM

This is a secondary mechanical evacuation system with fixed and variable height applications

### IECS-66 with purpose-built 7x7 ft skid

Comprised of one 7x7 ft skid with access gate to top chute container, one hydraulically dampened lid, one front-mounted liferaft cradle suitable for two SOLAS A or B pack self-righting liferafts, one lower chute container with trap door that houses the escape chute, one 25/30 man debarkation/boarding liferaft and one stabilization plate

Configurations available with one 12-24 and 30 person liferaft, two 12-24 and 30 person liferafts, or two 50 person liferafts

The stabilization plate weight is estimated using customer-supplied met ocean data and calculated using the Survitec modeling program

Four 15,400 lb Kevlar ropes are used to support the stabilization plate and are attached under the main skid assembly using heavy duty shackles

The main Kevlar support cable are attached to the chute in the middle and at the last ring on the escape chute

The cables run freely through the carabineers which keeps the chute column inside the Kevlar support ropes

For variable height applications, any unused sections of the netted chute will remain in the base of the debarkation liferaft when the vessel or platform is in a ballast-down condition

### IECS-66 with purpose-built 14x14 ft cantilever frame

If deck space is at a minimum and a 7x7 ft cut out is not available with an uninterrupted drop to sea level, Survitec can provide a purpose-built, heavy-duty cantilever frame built according to customer requirements and all structural calculations

The cantilever frame is designed to allow the 7x7 ft skid to drop in and bolt down, but can be easily removed for service or inspection

In all cases we can design the frame based on a customer's fitting location but in most cases structural information is required to ensure the location is suitable

We recommend all personnel undergo a minimum of two hours of combined classroom and practical training using the training chute prior to accessing the facility where the IECS is installed



PRODUCT	MOUNT	LIFERAFTS	H	PRODUCT #
IECS-66	7x7 ft Skid	One 12-24 and 30 Person		Call
		Two 12-24 and 30 Person		Call
		Two 50 Person		Call
IECS-66	14x14 ft cantilever frame and 7x7 ft Skid	One 12-24 and 30 Person		Call
		Two 12-24 and 30 Person		Call
		Two 50 Person		Call

# OIL & GAS EVACUATION SYSTEMS

## O&G MES (FIXED AND VARIABLE HEIGHTS) IECS-65 MASS EVACUATION SYSTEM

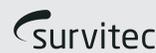
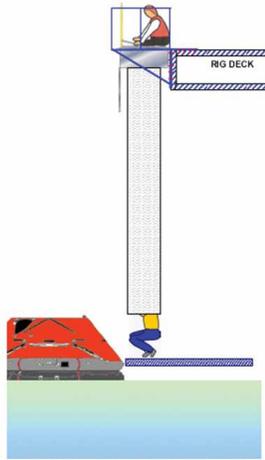
This is a secondary mechanical evacuation system with fixed and variable height applications

May be either floor-mounted or mounted in a steel platform or deck adjacent to liferafts, and will provide greatly enhanced ease of decent and survivability over the knotted rope and scramble net options

Simple to operate by opening the lid, pulling the handle to deploy the chute and stabilization platform, then personnel can evacuate to the debarkation liferaft attached to the base of the chute

Deck mounted throwover liferaft painter lines can be attached to the debarkation raft and inflated at sea level

We recommend all personnel undergo a minimum of two hours of combined classroom and practical training using the training chute prior to accessing the facility where the IECS is installed



PRODUCT	MOUNT	LIFERAFTS	H	PRODUCT #
IECS-66	7x7 ft Skid	One 12-24 and 30 Person		Call
		Two 12-24 and 30 Person		Call
		Two 50 Person		Call
IECS-66	14x14 ft cantilever frame and 7x7 ft Skid	One 12-24 and 30 Person		Call
		Two 12-24 and 30 Person		Call
		Two 50 Person		Call

## EVACUATION SYSTEM - OTHER APPLICATIONS DERRICKMAN INCLINED ESCAPE CHUTE

The Derrickman Inclined Escape Chute is fully weather-resistant and can be left in a deployed position, but because Land Rigs move frequently it is designed to be recovered and stored in its vertical container when not in use

The system is comprised of a landing pad; chute; container; and purpose-built, box section, epoxy-painted vertical frame specifically designed to accommodate the slide chute system

In all cases the Derrickman should be attached securely to ensure safe operation during an emergency event, so the lightweight, vertical container can be customized to accommodate differing types of monkey/stabbing boards, attached to existing hand rails or modified to suit each particular application

The container has a removable back door for rapid access, or a hinged door can be supplied as an option

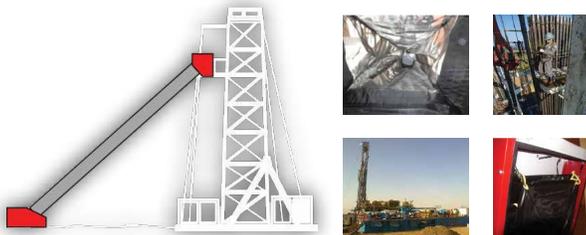
Fully enclosed, designed to support a dead weight of 2,000 lbs, offers heat flux resistance up to 1200°F (650°C) with a melting point of 1472°F (800°C), and the length can vary dependent on application or distance to ground level so that when it is deployed there is a sufficient sag in the center to reduce evacuee descent speed

Designed to be either pegged out with two 8ft box section uprights supports or attached to a heavy weight or vehicle tow hitch via four the four Kevlar 14,500 lb ropes that are sewn into each corner and run the full length of the chute from the container to the posts or preferred ground anchor location

A landing pad is attached to the end of the chute and acts a cushion when exiting

The Derrickman is designed to be a low maintenance evacuation solution, requiring key mechanical and structural components be inspected, greased and serviced as needed during the 2 year re-certification period

On the 5th year a complete service performed with the escape chute removed and unpacked for a full inspection by Survitec



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PRODUCT	H	PRODUCT #
Derrickman Inclined Escape Chute		RSS-DM08
Derrickman Vertical Escape Chute		RSS-DM10

## EVACUATION SYSTEM - OTHER APPLICATIONS DERRICKMAN VERTICAL ESCAPE CHUTE

The Derrickman Vertical Escape Chute is an evacuation system designed to provide a rapid and safe method of escape from the monkey/stabbing board during an emergency, protecting evacuees from flame, radiated heat and smoke

This type of chute system is used extensively for commercial, industrial, residential, high rise and skyscraper buildings

The system is comprised of a chute; container; purpose-built, box section, epoxy-painted vertical frame specifically designed to accommodate the drop-inside chute system; and can also be supplied with optional purpose-built safety handrails and access gate

The chute is grey, fully enclosed, constructed of 3 layers, and uses the grip method whereby the middle layer is restricted using stainless steel springs that are sewn into the material at 8" intervals

The total length varies (depending on application) with a 1m air gap for evacuees to exit at deck level

Evacuees simply open the lid, lower themselves into the chute and slide down to be at ground level within 60 seconds, depending on height

Even with evacuees hold their arms and legs straight down, the speed of descent will never increase to an unsafe level, and they can control the descent speed moving their arms and legs outward against the wall of the inner chute to provide a brake effect

The inner layer chute has extremely low friction to minimize burns or chafing and is constructed of Interlayer Para Aramid, warp and vet Vinyl Chloride fibers with strength ISO 5081 (N) 3482 stripes 50mm, tensile strength ISO (N) 10mm stripes to support the chute, and features a decomposing temperature at about 932°F (500°C)

The middle chute braking layer covers the inner chute to enable the user to control his/her descent by pressing outwards, and is constructed of Modacryl and Elastomer (lycra) material with a modulus of 260% elasticity and heat resistance to softening of 869°F (465°C)

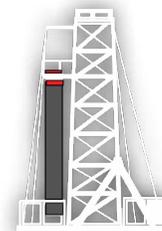
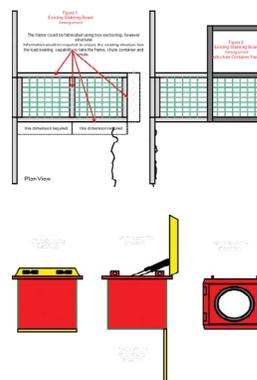
The electro-fiberglass outer layer offers superior heat flux protection for the underlying two chutes, providing continuous use heat resistance of up to 1200°F (650°C) with a melting point of 1472°F (800°C)

All this is contained within a lightweight chute container with lower trap door and hinged lid with hydraulic dampened arms

Based on a unit with 115 ft of escape chute, the chute container would need to be approximately 35" deep x 35" wide x 46" in height (excluding the lid).

The Derrickman is designed to be a low maintenance evacuation solution, requiring key mechanical and structural components be inspected, greased and serviced as needed during the annual re-certification period

On the 5th year a complete service is performed with the escape chute removed and unpacked for a full inspection by Survitec



**EVACUATION SYSTEM - OTHER APPLICATIONS**  
**BAKER LIFE CHUTE**

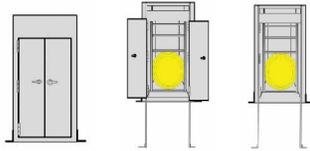
Fully enclosed container with netted style escape chute suitable for up to 250' inclined descent

Provides rapid and safe evacuation of evacuees from the hazard during emergency events such as fire

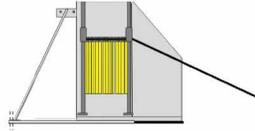
Fitted with an additional Nomex heat protective cover at the top section of the chute to protect from radiated heat flux

Several styles of inclined escape chutes for petrochemical plants, installations, towers and other oil & gas applications are available

If you have a Baker Life Chute System that requires service or re-certification please contact Survitec for a quote



Drawings of entry doors closed, opened, removed (above) and side panels removed (below)



**EVACUATION SYSTEM - OTHER APPLICATIONS**  
**INDUSTRIAL COMMERCIAL**  
**VERTICAL CHUTE**

Single-entry vertical chute system ideal for commercial gantry and dock cranes, high reach platforms, general observation towers, aviation watch towers, platforms, marine, docks, manufacturing sites, commercial structures and grain silos

3-layered chute offers heat and flame protection and is fully enclosed, making it helpful when used to evacuate persons with height phobias or similar ailments

This escape chute requires little to no physical exertion from evacuees to descend to ground level calmly and safely, and it can even accommodate stretchers or persons wearing fall protection or safety equipment, such as Firefighters or search & rescue personnel

Even with evacuees hold their arms and legs straight down, the speed of descent will never increase to an unsafe level, and they can control the descent speed moving their arms and legs outward against the wall of the inner chute to provide a brake effect

It is always preferred to have trained personal at the entry and exit of the chute, with the person at the top reassuring evacuees as they enter the chute, and the person at ground level helping evacuees exit from the air gap at the base of the chute (especially if the evacuee is unconscious)

This solution is custom-designed for each application based on variables such as building specifications (height, size, structure, construction, style), installation location (rooftop, balcony, window, corridor, deck, mezzanine), anchoring materials (tiles, marble, cement, brick, steel, etc.), floorspace limitations, rated evacuee quantity, and other pertinent considerations or details

The chute platform can be supplied as a permanent or portable installation



PRODUCT	PRODUCT #
Baker Life Chute	Call
Industrial Commercial Vertical Chute	Call

## EVACUATION SYSTEM - OTHER APPLICATIONS MINING PLANT ESCAPE CHUTE

The Model 101 is a fully enclosed, 3-layer chute system designed for rapid evacuation from large mining equipment such as dumper trucks, shovels and excavators, which have an average height from ground level to cabin deck of 10-30 feet

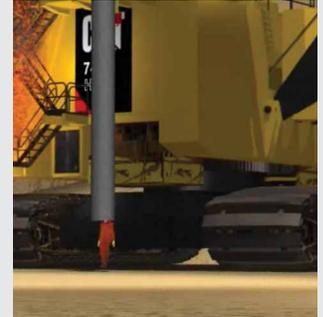
The deployment storage container is installed behind the operator's line of sight, between the handrailing on the operator's platform side walkway, and generally within 2-3 footsteps from the cabin door

Deployment is simply by lifting the red handle and lid which opens the container, then entering the chute legs first and controlling descent by applying pressure with arms and legs outward

The outer layer is designed to protect the evacuees from flame and radiated heat, providing continuous use heat resistance of up to 1200°F (650°C) with a melting point of 1472°F (800°C), and sized to create a space between it and the middle layer, reducing heat transfer

The middle layer has a series of small diameter, coiled, stainless steel springs sewn into the chute material, safely gripping evacuees as they travel through, and allowing them to increase or decrease their descent speed to comfort

The inner layer is connected to the storage/deployment device, holding the chute in place and designed to withstand the dead weight load of 4,000 lbs



## EVACUATION SYSTEM - OTHER APPLICATIONS PORTABLE MOBILE ESCAPE CHUTE

Portable and mobile single-entry vertical chute system that is used by Fire Brigades worldwide during high rise rescue operation and is ideal for Fire Department aerial ladder trucks such as Bronto Skylift, Simon Snorkel, Cella, Iveco Magirus, Metz and Rosenbauer and

This modular system can be fitted to aerial ladders and snorkel platforms to increase the rate of evacuation from tall buildings by nearly 10 times as compared with the conventional method, simply by eliminating the time involved in lowering and raising the platform

Should the surroundings of the building not be accessible by the fire aerial truck, the system can be made portable so that rescue personnel may comfortably carry the unit to each desired floor and positioned at the parapet of a structurally sound balcony or window (maximum safety load is 441lbs / 200kg, and maximum height of 164 ft / 50m) using additional optional equipment

Universal standard platform is 100% aluminum (frame and caste), foldable, portable, adaptable for use with mobile rescue units and readily mountable on the bucket or in a cassette as required

Chute main body is made up of several segments of 3-layered chute, with the start piece of the first segment usually 8' long with stainless steel fire snap hooks on one end, the other segments of chute at proper length to correspond to a standard building floor height, and 12 sets of fire snap hooks on both ends so that segments can be continuously connected end to end

Inner chute layer has extremely low friction to minimize burns or chafing and is constructed of Interlayer Para Aramid, warp and vet Vinyl Chloride fibers with strength ISO 5081 (N) 3482 stripes 50mm, tensile strength ISO (N) 10mm stripes to support the chute, and features a decomposing temperature at about 932°F (500°C)

Middle braking chute layer covers the inner chute to enable the user to control his/her descent by pressing outwards, and is constructed of Modacryl and Elastomer (lycra) material with a modulus of 260% elasticity and heat resistance to softening of 869°F (465°C)

The outer chute layer offers superior heat flux protection for the underlying two chutes, providing continuous use heat resistance of up to 1200°F (650°C) with a melting point of 1472°F (800°C)

May be used by all people regardless of size, shape and weight, including unconscious or injured evacuees on a stretcher and is the most flexible method of evacuation that allows for controlled descent speed (evacuees traveling 1-15ft per second provide an average evacuation time from a 150 ft building of 35-40 seconds/person)



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PRODUCT

Mining Plant Escape Chute

Portable Mobile Escape Chute

PRODUCT #

MODEL-101

Call

## EVACUATION SYSTEM - OTHER APPLICATIONS MULTI-ENTRY CHUTE ESCAPE SYSTEM

This system is designed to serve multiple areas in a building or tall structure, with occupants being able to gain access to the chute at each floor because the chute is divided into segments based on the number of stories within the building

Chute segments are held within each pre-cut floor hole using the chute top stainless steel ring, with the lower end of each chute segment penetrating 12-16" into the next segment of chute of the following floor

The chute segment of the ground floor finishes 30-36" from ground level in order to allow the person descending to free themselves from the chute, with or without the help of an assistant

Each entry point is protected by a fire-resistant door of at least RF30 (RF60 is usually installed) that opens inward but must never pass above the metal ring of the chute frame, and the door for the ground floor is open outward to ease final escape

Anti-panic bars can be installed on each of the entry doors for ease of evacuation

The inner chute layer has extremely low friction to minimize burns or chafing and is constructed of Interlayer Para Aramid, warp and vet Vinyl Chloride fibers with strength ISO 5081 (N) 3482 stripes 50mm, tensile strength ISO (N) 10mm stripes to support the chute, and features a decomposing temperature at about 932°F (500°C)

The middle braking chute layer covers the inner chute to enable the user to control his/her descent by pressing outwards, and is constructed of Modacryl and Elastomer (lycra) material with a modulus of 260% elasticity and heat resistance to softening of 869°F (465°C)

The outer chute layer offers superior heat flux protection for the underlying two chutes, providing continuous use heat resistance of up to 1200°F (650°C) with a melting point of 1472°F (800°C)

Additional components include one overpressure air supply system, as well as emergency exit lights, emergency lighting, emergency light, service lights, a set of rings (iron ring frame, aluminum ring, adjusting rubber profiles), intercom system and smoke hoods for each floor



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PRODUCT

Multi-Entry Chute Escape System

H

PRODUCT #

Call

# PERSONNEL TRANSFER SYSTEMS

## WAVE-4

Transfer carrier for standing passengers that offers impact protection, fall prevention and has floating and self-righting capabilities

Focuses on passenger experience, cost efficiency and ease of ownership with the smallest footprint of any rigid four-person transfer carrier

Buoyancy provides extensive protection against side impacts and ensures the carrier floats and self-rights in case of immersion

EVA foam, shock absorbing landing feet

Passenger capacity of 4 persons, or 1 person plus 1 stretcher



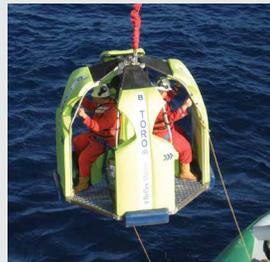
## TORO-4

Transfer carrier for seated passengers that offers impact protection, fall prevention and has floating and self-righting capabilities

Easy to land and store in tight spaces due to a small footprint (ships in a standard sea container)

Low maintenance design with long lifespan and fast conversion to MedEvac mode

Passenger capacity of 4 persons, or 2 persons plus 1 stretcher



## FROG-6

Approved in Brazil

Transfer carrier for seated passengers that offers impact protection, fall prevention and has floating and self-righting capabilities

Features a central column, stainless steel frame, shock-absorbing feet, spring suspension system and quick release harnesses

Buoyancy provides extensive protection against side impacts and ensures the carrier floats and self-rights in case of immersion

Passenger capacity of 6 persons or 1 person plus 1 stretcher



## FROG-XT SERIES

Smaller footprint than competitor

Minimizes risks involved in crane-assisted personnel transfers by incorporating impact protection, buoyancy features, impact absorbing seats and a three-point quick release harness that protects from whiplash and falling

Available in 4, 6 and 10 person capacities with 10 year product lifespan and all servicing may be done offshore

Converts to stretcher mode with capacity for 1 stretcher and 1 accompanying passenger

XT Accessories Package 1 contains floor mounted luggage storage (2 for XT4 and XT6, 4 for XT8), strobe light and protective cover

XT Accessories Package 2 contains all of Package 1 plus basket stretcher

MedEvac configuration Accessories package includes protective cover and basket stretcher (1 for XT4 and XT6, 2 for XT10)

### FROG-XT4



### FROG-XT6



### FROG-XT10



APPROVALS: 



PRODUCT	FERRULES	STANDARD PRODUCT #	LOW TEMP PRODUCT #	ACCESSORIES PACKAGE 1	ACCESSORIES PACKAGE 2	MEDEVAC PACKAGE
WAVE-4	Aluminum	WAVE-4	N/A	RA0440	RA0441	N/A
TORO-4	Aluminum	TORO-4	N/A	TORO-4 PKG 1	TORO-4 PKG 2	N/A
FROG-6 (620)	Aluminum	620	N/A	620 PKG 1	620 PKG 2	620 PKG 3
FROG-6 (640)	Aluminum	N/A	FROG-6 ARCTIC	FROG-6 ARCTIC PKG 1	FROG-6 ARCTIC PKG 2	FROG-6 ARCTIC PKG 3
FROG-XT4	Aluminum	RA0016	RA0309	RA0172	RA0173	RA0235
	Steel	RA0342	N/A	RA0172	RA0173	RA0235
FROG-XT6	Aluminum	RA0218	RA0311	RA0172	RA0173	RA0235
	Steel	RA0343	N/A	RA0172	RA0173	RA0235
FROG-XT10	Aluminum	RA0213	N/A	RA0280	RA0281	RA0282

## FIBRELIGHT EMERGENCY LADDER

Lightweight, compact, strong and durable for emergency disembarkation with the 30 meter version weighing in at less than 55 lbs (25kg)

Constructed of carbon fiber rods, enclosed in flanged tubular webbing, fitted and sewn at right angles between the double thickness pockets of a second webbing to provide an incredibly strong, flexible structure with each rod fully supported within the vertical members of the ladder

Designed to meet SOLAS Chapter III, 31.1.4 & MSC.1/Circ. 1243 which requires that all cargo ships with more than 100 meters distance from stem or stern to the closest survival craft is required to carry remote liferafts and a means of disembarkation enabling descent to the water in a controlled manner

The use of knotted rope is no longer approved under this requirement and the Fibrelight Emergency Ladder with a natural step action makes it both faster to climb or descend than a single rung ladder

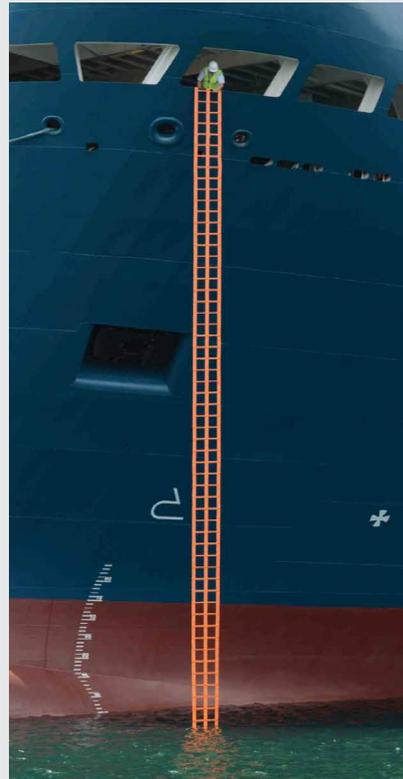
Operated by a single person the ladder can be rolled out, ready for use in less than a minute and may be loaded in both directions

Contains no metal parts and suitable for deployment on vessels and platforms with fire risks

Ask about additional accessories offered that assist the Emergency Ladders in the varying environments and multiple uses including attachments slings, storage cabinets, ballast rungs and stand offs

Passes ISO 799 strength test as part of the SOLAS approval program

Firebird PB10 FEL Emergency Escape Ladder Chest is available separately to securely contain your Fibrelight Ladder



## FIBRELIGHT ESCAPE LADDER

Lightweight and strong device that allows a simple method of escape from confined spaces, stairwells and windows and it can be operated by a single person and be attached and ready to use in seconds

Constructed of fiberglass rods, enclosed in flanged tubular webbing, fitted and sewn at right angles between the double thickness pockets of a second webbing to provide an incredibly strong, flexible structure with each rod fully supported within the vertical members of the ladder

Strong enough to allow multiple users to either climb or descend (both directions) and designed with a single point attachment so it may be swiftly attached to a single load tested anchor point

Compact enough that it can be stowed neatly in a small bag or box at an escape point and brought to use in a matter of seconds, with no training for use required

May be manufactured in lengths from 2-10 meters, with 10 meter length only weighing 9.17 lbs (4.16kg)

Ladder is tested by Lloyds British to 1.5 tons through the top loop and 550kg for each rung



PRODUCT	W X L DIMENSIONS	S	PRODUCT #
Fibrelight Emergency Ladder	23.6x78.7" (600x2000mm)		KITEL2STD
	23.6x118.1" (600x3000mm)		KITEL3STD
	23.6x196.6" (600x5000mm)		KITEL5STD
	23.6x393.7" (600x10000mm)		KITEL10STD
	23.6x590.6" (600x15000mm)		KITEL15STD
	23.6x787.4" (600x20000mm)		KITEL20STD
	23.6x984.3" (600x25000mm)		KITEL25STD
	23.6x1181.1" (600x30000mm)		KITEL30STD
Ladder Attachment Straps (per Pair)			NPN249
Ladder Standoffs (per Pad)			Call
Ladder Ballast - Marine Steel (per Rung)			Call
Fibrelight Escape Ladder	9.8x393.7" (250-10000mm)		NPN243

## PERSONAL EVACUATION, ESCAPE AND DESCENT DEVICES

We offer a variety of portable personal escape product for controlled descents during emergencies when conventional means are not possible

The original Donut tertiary escape device was designed on the back of the Piper Alpha disaster and developed in cooperation with North Sea Operators and UK Regulatory Authorities to provide a very lightweight solution that is easy to deploy solution from any platform or FPSO

Contains no hazardous material or substance and does not require an MSDS

Maximum load is 330 lbs (150kg) and harness fits user chest size up to 50"

Offshore, Marine and Retro units are certified for one time use after pack is opened or for a period of 24 months from the date of manufacture if the pack is intact

GES models are equipped with a lightstick, investment cast descender, elongated accessory strop and guidewire attachment strop



### Offshore

Device uses simplified abseiling principles, has nylon harness, stainless wire rope and stainless steel carbine hooks



### Safeland Marine

Unlike inertia reel systems, the user can lock-off above the water and await rescue remaining dry, visible and warm, stainless steel wire rope and stainless steel carbine hooks



### Safeland Retro

Offers the means of controlled escape from height with the added flexibility of attachment of the Donut Retro's Friction Device directly to the user's own existing work harness



### Safeland Rescue

Designed for lowering an injured or unconscious person to a lower level or directly to the ground, either in the unit's own harness or in conjunction with a suitable stretcher, and may be retrieved and re-used for multiple casualty descents



APPROVALS:



PRODUCT	DETAILS AND USAGE	EVAC HEIGHT/ TAPE LENGTH	PRODUCT #
Personal Evacuation Device (PED) with harness	Only approved for use in standard descent - not liferaft compatible	45' (15m)	DO/50-N
		90' (32m)	DO/100-N
		140' (46m)	DO/150-N
	Approved for use in standard descent, and for use in descent into liferafts	185' (65m)	DO/200-N
		230' (76m)	DO/250-N
		45' (15m)	DO/50-N/GES
90' (32m)		DO/100-N/GES	
140' (46m)		DO/150-N/GES	
185' (65m)		DO/200-N/GES	
Safeland Marine PED with harness	Escape from derricks, cranes and wind turbines where a guidewire is not present	230' (76m)	DO/250-N/GES
		45' (15m)	SM/50-N
		90' (32m)	SM/100-N
	Escape from cruise, ferry and other vessels down to a rescue craft, where a guidewire is present - liferaft compatible	140' (46m)	SM/150-N
		185' (65m)	SM/200-N
		230' (76m)	SM/250-N
Safeland Retro PED	Escape over hard surfaces attaching over existing harness (harness not supplied with this Unit) - not liferaft compatible	45' (15m)	SM/50-N/GES
		90' (32m)	SM/100-N/GES
		140' (46m)	SM/150-N/GES
		185' (65m)	SM/200-N/GES
		230' (76m)	SM/250-N/GES
Safeland Rescue Unit with harness	Lowering injured personnel with use of existing harness or a suitable stretcher (stretcher sold separately - not liferaft compatible)	45' (15m)	RETRO/50
		90' (32m)	RETRO/100
		140' (46m)	RETRO/150
		185' (65m)	RETRO/200
		230' (76m)	RETRO/250
Safeland Rescue Unit with harness	Lowering injured personnel with use of existing harness or a suitable stretcher (stretcher sold separately - not liferaft compatible)	45' (15m)	DS/50-R
		90' (32m)	DS/100-R
		140' (46m)	DS/150-R
		185' (65m)	DS/200-R
		230' (76m)	DS/250-R

# CHOOSING THE RIGHT ONE: BOATS/LRRS

Lifeboat, liferaft and rescue boat Release and Retrieval Systems (LRRS) are solutions that combine a rescue or survival craft; davit, crane or ramp; and release hook. They provide controlled descent of a craft and come in many different configurations.

## CONSIDERATIONS FOR WHETHER TO UPGRADE OR REPLACE A LIFEBOAT FLEET

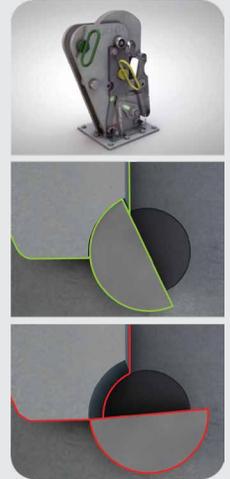
Older fleet issues: cost considerations related to maintaining older equipment, extended life of field beyond lifeboat life expectancy, obsolete safety critical parts, and revised / new legislative requirements.

New fleet benefits: IMO / SOLAS compliant LRRS fitted, boats comply with 'Big Persons' rule, alignment with a pro-active HSEQ culture for increased crew morale, and extended lifetime of lifeboat on asset.



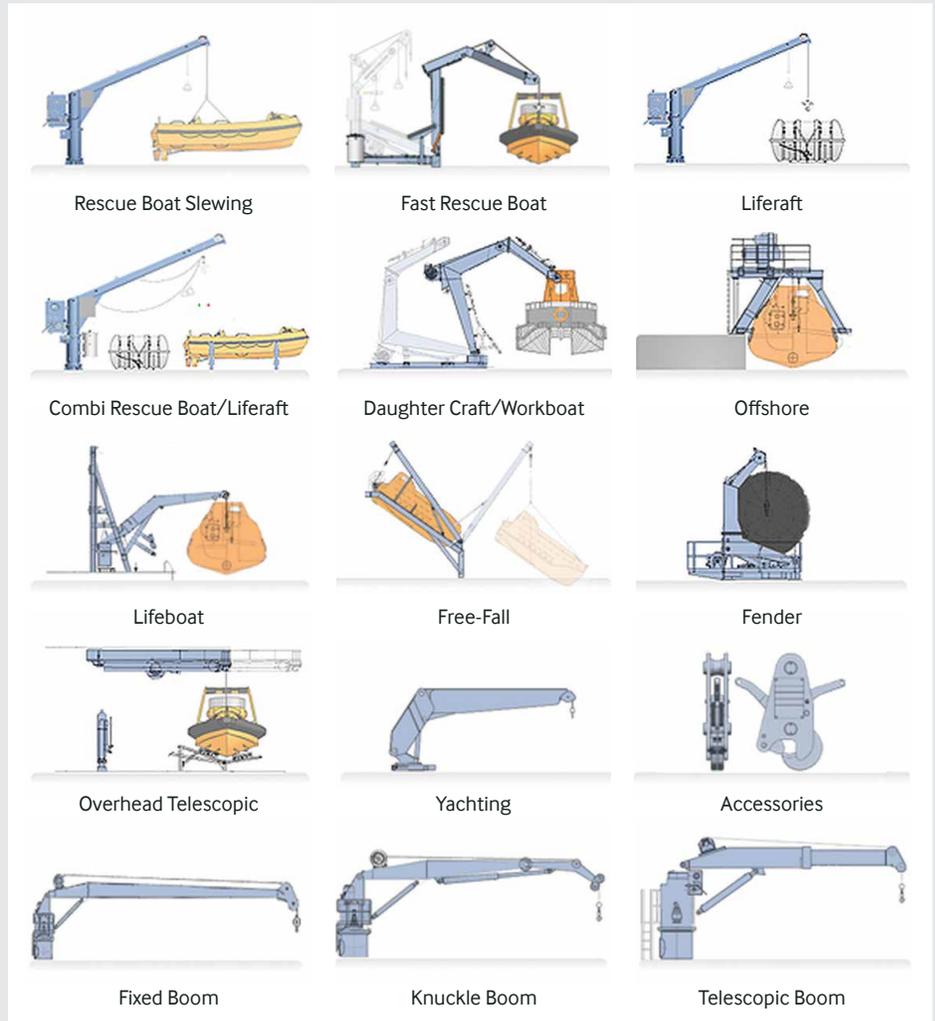
## IMO MSC.1/CIRC. 1392 LRRS REQUIREMENTS

1. The weight of the lifeboat should not cause any force to be transmitted to the LRRS operating mechanism when the release is in the fully closed position
2. LRRS locking devices cannot turn to the open position due to forces from the hook load
3. Cam pins must be capable of rotating 45 while still holding the safe working load
4. If the LRRS has a hydrostatic interlock, it must reset automatically after the boat is lifted from the water



Davits offered by Survitec are renowned for their easy installation, operation and cost-effectiveness. Palfinger brand solutions are designed for extended operation under adverse and extreme conditions, of trim of up to 10 degrees and a list of up to 20 degrees either way. Systems enclosed in this catalog are considered "plug-in and play," delivered completely pre-assembled (davit arm, column, winch - plus built-on hydraulic power pack unit for boat davits), tested and ready for immediate use. Lowering of survival craft is driven by gravity in which the motion can be controlled either by remote control wire from within the survival craft, or by lifting the brake handle of the winch directly.

BRAND	DESCRIPTION
	Commercial, SOLAS, military or general purpose work boats
	Fast Rescue Boats, Davits and Release Hooks
	Lifeboats, Winches, Release Hooks, SOLAS Approved Rescue Boats and Fast Rescue Craft and Release Hooks



## TWIN FALL DAVIT-LAUNCH LIFEBOAT

Designed and built to SOLAS/LSA regulations for commercial marine and offshore use

Certified to ABS, BV, GL, LR and EC Mark with worldwide servicing available



## FREEFALL LIFEBOAT

Designed and built to SOLAS/LSA regulations for offshore use; platforms, rigs and FPSOs

Certified to ABS, BV, GL, LR and EC Mark with worldwide servicing available



## SINGLE FALL DAVIT-LAUNCH LIFEBOAT

Designed and built to SOLAS/LSA regulations for offshore use; platforms, rigs and FPSOs

Certified to ABS, BV, GL, LR and EC Mark with worldwide servicing available



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PRODUCT	DIMENSIONS	CAPACITY	HOOK DISTANCE	APPROXIMATE WEIGHT, UNLOADED	M	DRY CARGO VERSION PRODUCT #	O&G TANKER VERSION PRODUCT #
Twin Fall Davit-Launch Lifeboat (TEMPSC)	16.4x7.2x9.9' (5.00x2.20x3.00m)	21 / 16	4.60m	2130-2400kg		SC50C	SC50F
	19.1x8.9x10.2' (5.80x2.70x3.10m)	38 / 33	5.40m	2720-3000kg		SC58C	SC58F
	19.4x7.6x10.2' (5.90x2.30x3.10m)	28 / 24	5.50m	2625-2900kg		SC60C	SC60F
	24.6x9.4x10.5' (7.50x2.86x3.20m)	55 / 45	7.10m	3220-3500kg		SC75C	SC75F
	26.3x9.1x10.2' (8.00x2.76x3.10m)	54 / 50	6.80m	3240-3500kg		SC80C	SC80F
	27.9x10.9x10.9' (8.50x3.30x3.30m)	65 / 60	8.00m	4400-4700kg		SC85C	SC85F
	27.9x10.1x10.9' (8.50x3.06x3.30m)	65 / 60	8.02m	4400-4740kg		SC86C	SC85FA
	30.9x10.9x11.2' (9.40x3.30x3.40m)	74 / 66	8.54m	4290-4600kg		SC93C	SC93F
	31.2x11.8x11.2' (9.50x3.60x3.40m)	101 / 85	9.00m	5620-6000kg		SC95C	SC95F
39.2x12.8x11.5' (11.95x3.90x3.50m)	126 / 115	11.30m	7400-8000kg		SC150C	SC150F	
Freefall Lifeboat	16.1x7.2x10.2' (4.90x2.18x3.10)	15	N/A	3000kg		SC49FC	SC49FF
	19.4x7.3x10.2' (5.90x2.22x3.10)	18	N/A	3000-3350kg		SC59FCA	SC59FFA
	19.4x8.4x10.2' (5.90x2.55x3.10)	25	N/A	3800kg		SC59FC	SC59FF
	22.0x8.4x10.5' (6.70x2.55x3.20)	30	N/A	4000kg		SC67FC	SC67FF
	24.6x8.4x10.5' (7.50x2.55x3.20)	33	N/A	5100kg		SC75FC	SC75FF
	29.6x8.9x10.9' (9.00x2.70x3.30)	42	N/A	6200kg		SC90FC	SC90FF
	35.1x8.9x10.9' (10.70x2.70x3.30)	50	N/A	7000kg		SC107FC	SC107FF
	38.4x11.8x12.5' (11.70x3.60x3.80)	60	N/A	10800kg		SC120FC	SC120FF
49.2x12.5x14.1' (15.00x3.80x4.30)	95	N/A	15000kg		SC150FC	SC150FF	
Single Fall Davit-Launch Lifeboat	Call	Call	Call	Call		Call	Call

## DAVITS AND WINCHES

Systems are designed to SOLAS and LSA regulations to be inherently strong, reliable and built to perform in the toughest maritime conditions

Available configurations and options include freefall davits, fast rescue craft davits, fixed arm rig davits (MODU and platforms), conventional gravity luffing arm davits (FPSOs and ships), compact 'low head-room' hydraulic davits for FPSOs and ships needing 'skid mounted solutions, and davits rated for combined lifeboat/rescue boat function as defined in SOLAS



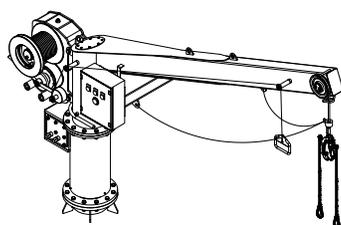
PRODUCT	COMPATIBILITY	WORKING LOADS: MAX / HOISTING / LOWERING	M	PRODUCT #
Ship's Gravity Davit	SC50-60F/C Boat	60 kN		SC60DL
	SC75F/C Boat	90 kN		SC85DL
	SC85F/C - SC93F/C	138 kN		SC138DL
	SC95F/C	180 kN		SC170DL
Ship's Gravity Davit	SC150F/C	205 kN		SC200DL
	Call	50 / 27 / 30 kN		SC50DW-D505 Life
	Call	50 / 27 / 30 kN		SC50DW-DS0Z Rescue
	Call	70 / 39 / 45 kN		SC80DW-D705 Life
	Call	70 / 39 / 45 kN		SC80DW-D70Z Rescue
	Call	100 / 70 / 60 kN		SCDW100 Life
	Call	100 / 55-70 / 60 kN		SCDW100 Rescue
	Call	130 / 100 / 130 kN		SCDW130 Life
	Call	130 / 75-130 / 130 kN		SCDW130 Rescue
Platform / Rig Davit	Call	160 / 160 / 160 kN		SCDW160 Life
	SC75F	90 kN		SC850P
	SC85F	110 kN		SC/PL110
	SC85F - SC9JF	140 kN		SC138DP
	SC95F	185 kN		SC185DP
Platform / Rig Davit	SC150F	205 kN		SC200DP
	Call	110 / 110 / 110 kN		SC/DW110 Life
	Call	110 / 60-110 / 110 kN		SC/DW110 Rescue
	Call	138 / 138 / 138 kN		SC/DW138 Life
	Call	138 / 80-138 / 139 kN		SC/DW138 Rescue
A-Frame FRC Davit	Call	230 / 230 / 230 kN		SC/DW230 Life
	SC60R	19 kN		SCBEC2
Single Arm Rescue Boat / Liferaft Davit	SC60R-SC70R	30 kN		SC30DP
	SC60R-SC70R	30 kN		SC18/27DR
	Liferaft	21 kN		SC21DR
Single Arm Rescue Boat / Liferaft Davit	SC40R-SC45R	23 kN		SC23DR
	SC60R-SC70R	30 kN		SC30DR
Freefall Lifeboat Davit	Call	23 / 18 / 23 kN		SC23DW
	Call	30 / 30 / 30 kN		SC30DW
	SC49FF/FC - SC59FF/FC	50 kN		SC55DF
	SC59FFA/FCA-SC67FF/FC	70 kN		SC70DF
	SC75FF/FC	85 kN		SC85DF
Ship's Roller Track Gravity Davit	SC90FF/FC-SC105FF/FC	110 kN		SC100DF
	SC120FF/FC-SC150FF/FC	230 kN		SC120FF/FC-SC150FF/FC
	SC50-60/C	68 kN		SC65DTL
	SC75F/C	90 kN		SC90DTL
Ship's Hydraulic Gravity Davit	SC85-93F/C	125 kN		SC125DTL
	SC95F/C	160 kN		SC160DTL
	SC85-93F/C	130 kN		SC130DYL
	SC95F/C	160 kN		SC150DYL
	SC150F/C	205 kN		SC200DYL

## DAVITS AND CRANES

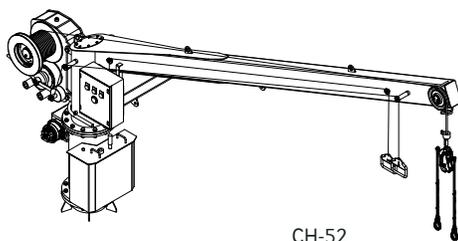
Designed and manufactured to meet international and local approvals as needed

Manual and hydraulic slewing davits are available in both light and heavy versions, with numerous configurations to meet the requirements of your vessel

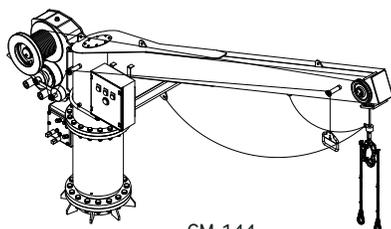
There are two versions of our Fast Rescue Boat Davit with several configurations each



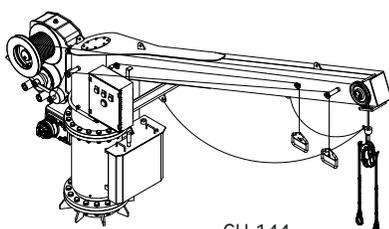
CM-52



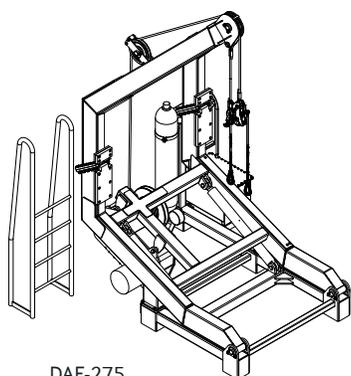
CH-52



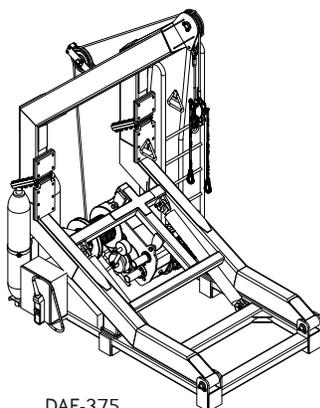
CM-144



CH-144



DAF-275



DAF-375

PRODUCT	DETAILS	NOTE	H	PRODUCT #
CM-52 Light Manual Slewing Davit	15 - 3.5	L		Call
	10 - 3.5	R		Call
	10 - 4.0	R		Call
	12 - 4.0	L		Call
	15/10 - 3.5	LR		Call
CM-144 Heavy Manual Slewing Davit	23 - 4.0	L		Call
	21 - 4.5	L		Call
	10 - 4.0	R		Call
	10 - 4.5	R		Call
	23/10 - 4.0	LR		Call
CH-52 Light Hydraulic Slewing Davit	36 - 4.0	L		Call
	36/10 - 4.0	LR		Call
	10 - 5.2	R		Call
	12 - 4.5	R		Call
CH-144 Heavy Hydraulic Slewing Davit	12 - 4.0	R		Call
	12 - 3.5	R		Call
	15/12 - 3.5	LR		Call
	17 - 4.0	R		Call
	12 - 4.5	R		Call
DAF-275 Fast Rescue Boat Davit	21/12 - 4.5	LR		Call
	23/17 - 4.0	LR		Call
	36/17 - 4.0	LR		Call
	-	E		Call
DAF-375 Fast Rescue Boat Davit	-	EL		Call
	-	H		Call
	-	PH		Call
	-	E		Call
DAF-375 Fast Rescue Boat Davit	-	EL		Call
	-	H		Call
	-	PH		Call

## LIFERAFT DAVIT

Freestanding, deck-mounted manual davit suitable for safe and efficient launching of a fully manned liferaft

The davit arm is manually slewed by turning the crank handle, and when the correct outboard position has been achieved, the liferaft can be inflated and then lowered to the water level

Compact footprint with only 4m radius

14-33kN safe working load

Stainless steel for all shafts, piping, bolts and nuts up to M16 but lightweight aluminum version available on request

The empty hook can be recovered manually using the crank handle of the winch

Dependant on the lowering height and the number of liferafts, the winch can be equipped with a so-called "quick-return unit" for easy and fast retrieval of the empty hook

Compatible with Survitec davit launch liferafts (all brands) for capacities of 12 - 25 persons



## RESCUE BOAT SLEWING DAVIT

Freestanding, hydraulic slewing and manual davit suitable for safe and efficient launching and recovery of a fully manned rescue boat

The davit arm slews the rescue boat from its stowed position into launch position using a self-containing hydraulic power pack unit. The slewing motion is actuated from within the rescue boat by means of a remote control pull wire

Compact footprint with only 3.5-5.2m radius

10-15kN safe working load

Stainless steel for all shafts, piping, bolts and nuts up to M16 but lightweight aluminium version available on request

Recovery of the rescue boat with its crew is realized by using the electric driven winch

In case of a power failure or malfunctioning of the electric system, hoisting can also be done manually by using the crank handle of the winch



## FAST RESCUE BOAT DAVIT

Freestanding, hydraulic pivoting davit suitable for safe and efficient launching and recovery of a fully manned rescue boat

The davit arm pivots the rescue boat from its stowed position into launch position using a self-containing hydraulic power pack unit. The slewing motion is actuated from within the rescue boat by means of a remote control pull wire.

20-35kN safe working load

Stainless steel for all shafts, piping, bolts and nuts up to M12 but lightweight aluminium version available on request

Stainless steel HPU (hydraulic power unit) critical components are covered in hydraulic oil

Recovery of the rescue boat with its crew is realized by using the electric driven winch. In case of a power failure or malfunctioning of the electric system, hoisting can also be done manually by using the crank handle of the winch

Remote control push button box, for hoisting and emergency stop and integrated boat cradle, complete with lashings



## LIFERAFT / RESCUE BOAT AUTOMATIC RELEASE HOOK

SOLAS approved Combined Automatic Release (CAR) Hook specially designed to handle rescue boats and liferafts up to a safe working load of ± 7,716 lbs (3,500 kg)

Known as the preeminent automatic release hook for rescue boat or liferaft handling with a proven track record since 2000, the CAR35 is a reliable, user-friendly, safe, must-have accessory for your davits

Combination of high quality, low maintenance and economical pricing - one hook for two applications, which is easy to use and only needs one crew member to deploy, resulting in safer and more expedient operation



Because the safe working load and outreach of the davit is normally determined by the size of the rescue craft, be sure to check with your Sales Manager on the specific product application you are considering. All models provide easy access for periodic maintenance, service and repair, as well as clear labeling and detailed manuals.



PRODUCT	PRODUCT #
Liferaft Davit	SCM 21-4.0
Rescue Boat Davit	SCH 12-3.5
Fast Rescue Boat Davit	PRHE 30
Liferaft Rescue Boat Automatic Release Hook	CAR 35

## LIFERAFT/RESCUE BOAT AUTOMATIC RELEASE HOOK

Designed and built to IMO/SOLAS, LSA Code and MSC.81(70) part 1 regulations, holding USCG and EC / MED approvals

100% EU product designed and manufactured in the UK with a 3.5 ton safe working load

No service exchange requirement and 5 yearly servicing on board the vessel by Survitec



## SAFELAUNCH LIFEBOAT RELEASE HOOK

Approved by DNV, ABS, USCG and is IMO /SOLAS /LSA compliant

Award-winning design that is easily retrofitted to any lifeboat or rescue boat and includes an integrated fall prevention device (FPD)

Reliable and robust for use in all climates or conditions with minimum maintenance

External visual indicators for added safety



PRODUCT	M	PRODUCT #
SLA 3.5		Call
Safelaunch 4.5TN		Call
Safelaunch 6.0T		Call
Safelaunch 6.0TN		Call
Safelaunch 8.5T		Call
Safelaunch 8.5TN		Call
Roc-Loc 3		Call
Roc-Loc 6		Call
Roc-Loc 12		Call
Roc-Loc 13		Call
Davit		Call
Winch		Call

## ROC-LOC LIFEBOAT RELEASE HOOK

Approved by ABS, USCG and is IMO / SOLAS / LSA compliant

Designed specifically for davit-launched lifeboats and rescue boats to be used in all climates and conditions

Features visual indicators for added safety, as well as an integrated fall prevention device (FPD)



## RESCUE RAMP MKI - MKII EPE

Easy to use, flexible and cost-effective recovery system contained within a compact, portable fabric valise that is lightweight and easy to transfer from the protected storage location to any preset recovery point (an area less than one meter from the water which has attachment points)

To use, simply snap the shackles into place, open the velcro on the sides and pull the webbing handle to inflate the ramp

Ideal deployment point should 39" (1 meter) or less

Minimum working load of 1,100 lbs (500kg)

Manufactured with two independent inflatable chambers, each with its own relief valve and manual filling valve, and includes two rescue quoits

Fabric valise should be stored in an indoor location or water-tight locker

One year service interval (or after deployment, whichever comes sooner)

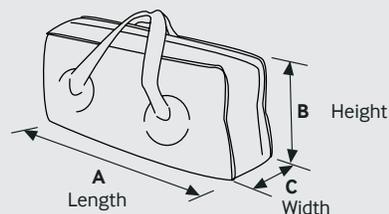


MKI  
Folded

MKII  
Folded In  
Vacuum  
Pouch

Fabric  
Valise

Rescue Ramp Deployed



PACKED	A X B X C DIMENSIONS	NET WEIGHT	NOTES	V	PRODUCT #
EPE	36x16x16" (900x400x400mm)	42 lbs (19kg)	60" (1.5m) painter line length Inflation Cylinder 1 x 4L		Call
Crate	40x20x20" (1000x500x500mm)	89 lbs (40kg)	8.83 ft <sup>3</sup> enclosed		

## INFLATABLE RESCUE BOATS

Manufactured from ultra light Hypalon fabric making them safe, strong, easy to handle and ideal for the Rescue Services

A long shaft engine with a maximum 30hp is recommended for use with these boats, providing enough power to tow a 100 person liferaft if required

All new boats will be delivered to your vessel assembled, fully inflated, tested and supplied with a fully approved equipment pack

Option to be supplied with or without a rescue boat davit release hook



## SEMI RIGID INFLATABLE BOATS

The Semi Rigid (SR) inflatable boat combines an aluminum hull with an inflatable upper section offering improved performance with extra strength and reduced maintenance

The complete range of sizes makes these also suitable for use as workboats

Contact your sales manager for order information on any models not listed in the list at the bottom of this page



7.5 SR



6.5 SR



5.6 SR



5.1 SR



4.7 SR



4.3 SR



3.9 SR



3.5 SR



2.8 SR



## GENERAL PURPOSE INFLATABLE WORKBOATS

Originally developed for use by military teams/agencies

General Purpose (GP) Inflatable Workboats are highly robust and ideal for use as safety boats, water rescue boats, diving boats or workboats

High performance, durable and versatile solutions for operations in adverse or hazardous weather and sea conditions



470 GP

## FOLDABLE INFLATABLE BOATS

Tough built construction yet extra lightweight and compact for the highest mobility and ease of transport



230 T



260 T



600 GP



530 GP



420 GP



BOAT	CAPACITY	APPROVALS	GP VERSION?	L X W DIMENSIONS	WEIGHT	PAYLOAD	PRODUCT #
420 IRB	6 person	MED/SOLAS	Yes	13.8x5.9' (4.20x1.80m)	243 lbs (110kg)	1468 lbs (666kg)	Call
420 foldable	6 person	EC/MED/SOLAS	Yes	Call	Call	Call	Call
470 IRB	7 person	MED/SOLAS	Yes	15.5x6.5' (4.70x1.98m)	243 lbs (110kg)	1631 lbs (749kg)	Call
530 IRB	15 person	MED/SOLAS	Yes	17.4x7.1' (5.30x2.15m)	375 lbs (170kg)	3108 lbs (1410kg)	Call
600 GP	15 person	-	Same	Call	Call	Call	Call
3.9 SR	6 person	SOLAS	Call	12.8x6.4' (3.90x1.95m)	289 lbs (131kg)	1468 lbs (666kg)	Call
4.3 SR	7 person	SOLAS	Call	14.2x6.4' (4.30x1.95m)	430 lbs (195kg)	1763 lbs (800kg)	Call
5.1 SR	13 person	SOLAS	Call	16.8x6.8' (5.10x2.05m)	552 lbs (250kg)	2932 lbs (1330kg)	Call
230T	Call	-	Same	Call	Call	Call	Call
260T	Call	-	Same	Call	Call	Call	Call

Inflatable and semi-rigid boat sizes and configurations shown on this page but not in the list on the left are quoted with the projected manufacture and delivery date. Custom fabricated sizes, configurations and colors are also available.

## RIBO RESCUE BOATS

**RIBO 350** features long shaft length, 2 bow towing rings on hull, 2 towing points on transom, 1 bow towing V with on load release shackle, 1 aft towing V with snap hook, 2 bow lifting points, 2 aft lifting points on transom, 1 lifting sling, neoprene fabric, reflective tapes, peripheral rubbing strake, glass-reinforced plastic composite rigid orange hull and 1 hull drain

**RIBO 450** features wheel console with jockey seat, two additional jockey seats, additional seating area for passengers, space for a full stretcher, single-point lifting frame

**RIBO 600** features wheel console with jockey seat, two additional jockey seats, additional seating area for passengers, additional space for a full stretcher, 5 airtight compartments with 5 inflation valves and 5 over-pressure valves, long shaft length, 2 bow towing rings on hull, 2 towing points on transom, 1 bow towing V with on load release shackle, 1 aft towing V with snap hook, 2 bow lifting points, 2 aft lifting points on transom, 1 lifting sling, neoprene fabric, reflective tapes, peripheral rubbing strake, glass-reinforced plastic composite rigid orange hull and 1 hull drain

RIBO models can be launched using a sling and approved release hook (safe working load >1,500kg), and may be optionally fitted with either a 25 or 40hp outboard motor (Yamaha), or 70hp SOLAS-approved outboard motor with additional two 70-liter fuel tanks

The FRB 600 is distinguished from the RIBO 600 by the addition of a single point lifting frame and is delivered supplied with a 70hp SOLAS approved outboard motor as well as two 70 liter fuel tanks

All models come complete with a boat cover (bow only)

RIBO 340



RIBO 450



RIBO 600



BOAT	CAPACITY	APPROVALS	WEIGHT	V	PRODUCT #
RIBO 340	5 persons	-	300 lbs (136kg)	✓	DRZ34007
		TC/SOLAS	Call		Call
RIBO 450	6 persons	EC/MED/SOLAS	543 lbs (246kg)	✓	DRZ34008
		USCG/SOLAS	468 lbs (212kg)		DRZ34010
		TC/SOLAS	Call		Call
RIBO 600	6 persons	SOLAS	1089 lbs (494kg)	✓	DRZ34014
		TC/SOLAS	Call		Call
FRB 600E	6 persons	SOLAS	1543 lbs (700kg)	✓	DRZ34015
		TC/SOLAS	Call		Call

FRB 600E



## FAST RESCUE CRAFT

A wide selection of SSC fast rescue crafts (FRC) are available, built in accordance with the SOLAS/LSA regulations for fast rescue craft

Represents the latest in design features, techniques and practices

Our FRCs are designed to be fast and maneuverable in all sea conditions and yet have the lowest possible lifetime ownership costs

Speed for all sizes is >20 knots for 3 persons, and >8 knots at full capacity

Intended to be very versatile and for use in a wide range of different applications including rescue, patrol, survey, boarding, customs, diving and inspection work



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PRODUCT	DIMENSIONS	CAPACITY	APPROXIMATE WEIGHT, UNLOADED	M	OUTBOARD VERSION PRODUCT #	INBOARD VERSION PRODUCT #
Fast Rescue Craft (FRC)	19.7x7.1x2.5' (6.00x2.16x0.75m)	9 Persons	2130-2400kg		SC53R	SC53RB
	19.7x7.6x2.9' (6.00x2.30x0.87m)	15 Persons	2720-3000kg		SC60RA	SC60RB
	(6.70x2.27x1.00m)	6 Persons	2625-2900kg		SC65RFA	Call
	(6.70x2.65x1.05m)	15 Persons	3220-3500kg		SC67RA	SC67RB
	(7.50x2.25x0.95m)	15 Persons	3240-3500kg		SC70RA	SC70RB
	(7.30x3.30x1.25m)	15 Persons	4400-4700kg		Call	SC75RB

## FRSQ 600

Features deep V-bottom hull construction made of seawater resistant aluminum or Glass-Reinforced Plastic (GRP)

Craft can be safely launched and retrieved under adverse weather and sea conditions

Features Rubber fender and > 20 knot speed with 3 persons



## FRSQ 700 AND FRSQ 850

Keel is longer in the direction of the bow providing a "split bow" effect for excellent manoeuvring stability

Hull is made of seawater-resistant aluminum or GRP

The fender is made up out of 5 separate blocks which can be easily removed by one person within short period of time, even when in use offshore



PALFINGER

BOAT	CAPACITY	L X W DIMENSIONS	EMPTY WEIGHT	MAX WEIGHT	V	PRODUCT #
RSQ 450	6 person	16.0x5.8' (4.88x1.75m)	1026 lbs (465kg)	2117 lbs (960kg)		Call
RSQ 475	6 person	16.1x7.4' (4.90x2.25m)	2315 lbs (1050kg)	3407 lbs (1545kg)		Call
FRSQ 600	15 person	20.1x7.4' (6.11x2.26m)	4167 lbs (1890kg)	6897 lbs (3128kg)		Call
FRSQ 700	15 person	23.8x8.8' (7.22x2.65m)	4630 lbs (2100kg)	7360 lbs (3338kg)		Call
FRSQ 850	21 person	27.9x10.2' (8.50x3.08m)	7827 lbs (3550kg)	10556 lbs (4788kg)		Call

Palfinger boats are built for the most demanding users, who require a rigid craft with high quality/safety standards, competitive pricing, and low cost of ownership. Boats shown have aluminum hulls - ask us for specification and availability for GRP/Fiberglass hull models.

## CREWSAVER PERSONNEL RECOVERY DEVICE (CPRD)

The Crewsaver Personnel Recovery Device (CPRD) is a man overboard retrieval device (MOB), ergonomically designed to assist in the retrieval of conscious and unconscious people from the water during an emergency

Retrieval of subjects can be made horizontally without risking further injury to the them or to the rescuer

Constructed from high density plastic rungs and stainless steel rods, then fitted with marine grade 316 stainless steel snap hooks

Lifting strops and heaving lines are attached to aid with retrieval

Available in a variety of sizes, tailored to suit the individual needs of the application



### Fast Rescue Craft (FRC) Version

Supplied in a robust, high-visibility valise that is compact enough to be stowed in the craft

Comes with "Hypalon" patch fixing kits to enable attachment to the inflatable tubes on the rescue craft and a standard mechanism requiring two re-arming kits

Available in two sizes as a complete kit: 3x14 or 4x15



Recovery sequence of person in distress using CPRD FRC

### Man Overboard Stretcher (MORS) Version

Used in conjunction with a rescue swimmer, ensuring the casualty is easily transferred into it even when rescuing direct from the water

The stretcher is then quickly hoisted clear of the water and transferred back into the rescue craft with a block and tackle or davit arrangement

Available in two sizes as a complete kit: 9x8 or 11x10



Recovery of person in distress using the CPRD MORS

#### APPROVALS:



Specifications shown are based on configuration

N.B. MCA Recommends a CPRD is inspected every 3 years by an approved service station

PRODUCT	# OF RUNGS		FREEBOARD (METERS)	W X L DIMENSIONS WHEN DEPLOYED	PRODUCT #	
	WIDE	LONG				
CPRD	4	12-37	0.5-3.6	26x68" - 26x210"	Call	
	5	10-36	0.4-3.5	33x57 - 33x203"	Call	
	6	12-28	0.5-2.5	40x68" - 40x158"	Call	
	7	12-32	0.5-3.0	46x68" - 46x203"	Call	
	8	12-36	0.5-3.5	53x68" - 53x203"	Call	
	9	12-40	0.5-4.0	60x68" - 60x225"	Call	
	10	12-44	0.5-4.0	66x68" - 66x248"	Call	
	11	12-45	0.5-4.6	73x68" - 73x254"	Call	
	12	12-45	0.5-4.6	79x68" - 79x254"	Call	
	CPRD FRC	3	14	0.8	20x79"	SEPRD314FRC
		4	15	0.9	27x85"	SEPRD315FRC
	CPRD MORS	6	9	Call	Call	SEPRDSK98
10		11	Call	Call	SEPRDSK1110	

## FIBRELIGHT RECOVERY CRADLE

Maritime recovery system that can be operated by a single crew member and is designed for use by rescue craft, rigid inflatables, lifeboats and marinas

Constructed of carbon fiber rods, enclosed in flanged tubular webbing, fitted and sewn at right angles between the double thickness pockets of a second webbing, to provide an incredibly strong, flexible structure

Cradle may serve as robust scramble net, boarding ladder, or stretcher for immediate evacuation of persons in distress

50% lighter, more compact, and more versatile than any comparable devices

May be easily rolled to stow and requires only regular inspections and minimal maintenance every three years

Tested to ISO 799 as part of the SOLAS approval program

Accessories available include extendable pole and hook for assisting in recovery, as well as attachment slings



## FIBRELIGHT STRETCHERS

Stretchers are manufactured using carbon fiber rods, or tubing in four sections, enclosed within robust tubular webbing fabric with flanges, then fitted and sewn at right angles between the double thickness pockets of a second webbing to provide an incredibly strong structure

The result is a carry device that is highly portable, lightweight, yet strong and rigid when assembled and compact enough to be stowed in a vehicle and carried by a single person to the scene of an emergency

Fully adjustable to accommodate a wide range of sizes and will securely contain a person in distress for a vertical or horizontal lift making it suitable for search & rescue, public safety or military teams

The Five Section Stretcher is horizontal-lift only, and has the same strength qualities as the Rod Stretcher while being able to fold down into almost a quarter of the size so it may fit into a backpack or small holdall, and rapid assembly in less than 20 seconds due to the snap together construction

Both models of stretcher are static load tested, snatch tested and repeat drop tested as per SOLAS with Approval by Lloyd's Register



Fibrelight rod stretcher and carry bag

Fibrelight 5 section stretcher and carry bag

### APPROVALS:



PRODUCT	W X L DIMENSIONS	WEIGHT + CASE	PRODUCT #
Fibrelight Recovery Cradle	51x78" (1300x2000mm)	9.4 lbs (4.25kg)	KITCRADLE2STD
	51x118" (1300x3000mm)	12.1 lbs (5.50kg)	KITCRADLE3STD
	51x157" (1300x4000mm)	14.9 lbs (6.75kg)	KITCRADLE4STD
	51x196" (1300x5000mm)	17.7 lbs (8.00kg)	KITCRADLE5STD
	51x236" (1300x6000mm)	20.5 lbs (9.25kg)	KITCRADLE6STD
	51x276" (1300x7000mm)	23.3 lbs (10.5kg)	KITCRADLE7STD
Cradle Attachment Strops (triple)			NPN249T
Extendable Pole & Hook			S/C 2851
Rod Stretcher	7x65" (175 x1650mm)	13 lbs (6kg)	KITRIGIDSTRETCHER
Five Section Stretcher	8x20" (200x500mm) folded, 8x71" (200x1800mm) assembled	12 lbs (5.5kg)	KIT5SECTSTRETCHBLK
Stretcher Flotation Supports (two)			KITLOG1828

# CHOOSING THE RIGHT ONE: FIRE SAFETY

From survey, through design, manufacturing, fitting and installation, Survitec is focused on keeping you safe and compliant at all times. We provide professional services worldwide. Our team will visit your asset, assess your particular requirements, and prepare a comprehensive survey. You provide the facility layout plans, and Survitec can provide a desktop survey for all your safety and survival solution needs.

NITROGEN (N2) INERTING/PURGING:	FIRE SUPPRESSION:	FIRE SUPPRESSION AND DETECTION:
<ul style="list-style-type: none"> <li>Survitec Safety Solutions / Maritime Protection N2 Generator</li> </ul> <p>Redesigned in 2014 to incorporate 30 years of experience building N2 generators. Includes a compressor startup bypass to prevent oil from reaching membranes, comprehensive air filtration to ensure membrane longevity, simple maintenance, the most compact footprint of any N2 generator on the market, and two side service so that system can be placed in corner of room.</p>	<ul style="list-style-type: none"> <li>Water Deluge</li> <li>Dry Chemical Powder (DCP)</li> </ul> <p>Survitec Technical Solutions has recently re-engineered both water deluge and DCP systems to improve effectiveness and shipboard safety, while reducing complexity for the system operator.</p>	<ul style="list-style-type: none"> <li>Fixed CO2</li> <li>U1230 Clean Agent</li> <li>Inergen</li> <li>Watermist</li> <li>High Expansion Foam</li> </ul>

BRAND	DESCRIPTION
	A renowned brand for PPE in chemical, oil, defense and mining industries since 1989.
	A premium innovative brand of respiratory protection in hazardous environments.
	Established in 1970 as a leader of inert gas systems for crude oil tankers, OBO's and product carriers.
	World leader in internationally approved, intrinsically-safe emergency breathing solutions.
	Leading health technology brand with focus on improving people's health.
	Innovative brand of fire fighting systems and solutions that can be relied on in emergency situations.

APPROVAL	DESCRIPTION
	European Community (Europe)
	Marine Equipment Directive (International)
	Safety Of Life At Sea (International)
	Det Norske Veritas (Norway)
	Germanischer Lloyd Approval (Germany)
	Norsk Akkreditering MSYS 002 (Norway)
	National Institute For Occupational Safety and Health (USA)



**1. OVERVIEW:** The IGF Code contains mandatory provisions for the arrangement, installation, control and monitoring of machinery, equipment and systems that use low-flashpoint fuels, focusing initially on Liquefied Natural Gas (LNG). The Code addresses all areas that need special consideration for the usage of low-flashpoint fuels, by taking a goal-based approach with goals and functional requirements specified for each section. These goals and requirements form the basis for safe and environmentally-friendly design, construction and operation of ships using this type of fuel, and are particular to installations of systems for propulsion machinery, auxiliary power generation machinery and/or other purpose machinery using LNG or low-flashpoint fuel as fuel.

**2. SAFETY SYSTEMS:** To meet the requirements in the IGF Code, various safety solutions for fuel bunkering stations, fuel storage hold spaces, tank connection spaces, fuel preparation rooms, gas valve unit space, and machinery spaces are needed. The following could be (but not limited to) an inert gas system, fire protection systems and fire detection and gas detection systems. References in brackets [ ] are made in direct reference to the IGF Code.

**3. NITROGEN:** Empty, purge and vent fuel storage tanks with fuel piping systems – inerting shall be performed with an inert gas prior to venting with dry air to avoid an explosion hazardous atmosphere in tanks and fuel pipes [6.3.12]. Piping system shall be arranged to enable each fuel tank to be safely gas-freed, and to be safely filled with fuel from a gas-free condition [6.10.1]. Circulation of inert gas throughout primary and secondary insulation spaces (for tanks type A, type B and membrane) to allow for effective means of gas detection [6.4.15.4.1.7]. Inerting of the interbarrier and fuel storage hold spaces associated with liquefied gas fuel containment systems requiring full or partial secondary barriers [6.11]. Purging of fuel piping lines [8.5.1]. Double wall pipes – where the gas fuel is in the inner pipe, then space between the concentric pipes shall be pressurized with inert gas and have opposite flow to the fuel [9.6.1]. Purging of gas supply piping to the burners [10.4.8]. Permissible sources of nitrogen gas include: Shipboard inert gas generator system – necessary for tanks requiring full or partial secondary barrier (Type A, Type B and Membrane type) or - Oxygen content in N<sub>2</sub> gas <5%, alarm set at max 5% oxygen; Where a nitrogen generator or nitrogen storage facilities are installed in separate compartment outside of engine room, the separate compartment shall be fitted with an independent mechanical extraction ventilation system, providing a min. 6 air changes per hour; Low oxygen alarm shall be fitted (Oxygen monitoring system mandatory); Double block & bleed arrangement must be provided. Alternative to a Shipboard storage, which shall be sufficient for normal consumption for at least 30 days (N<sub>2</sub> cylinders). Provided externally to the ship (allowed for inert gas utilized for gas freeing).

**4. FIRE SUPPRESSION:** Water spray system (application rate of 10 l/min/m<sup>2</sup> for the largest horizontal projected surfaces and 4 l/min/m<sup>2</sup> for vertical surfaces) [11.5] are suitable for: Fuel storage tanks on open deck and for cooling and fire prevention to cover exposed parts of fuel storage tank(s) located on open deck including superstructures, compressor rooms, pump rooms, cargo control rooms, bunkering control station, bunkering stations, and any other normal occupied deck houses that face the storage tank on open decks. ALL listed should be provided with coverage. Dry Chemical Powder (DCP) system [11.6] is suitable for bunkering station protection (Powder capacity of 3,5 kg/s for a minimum of 45 s), and in addition, at least one portable dry powder extinguisher of at least 5 kg capacity located nearby.

**5. FIRE DETECTION:** Class A Machinery Space System Considerations include fuel tanks and equipment internal in the ship to be protected by CO<sub>2</sub>, Clean Agent (Novec 1230, Inergen), Watermist, HiFoam system(s). This includes: Machinery spaces, Fuel storage hold space, Inter-barrier space, Tank connection space and Fuel preparation room. ALL to be designed to meet Machinery space category A requirements. In addition to the spaces required by FSS Code, the following spaces require Fire detection and alarm system (FDA) [11.7]: Fuel storage hold spaces, Ventilation trunk for fuel containment system below deck, and All other rooms of the fuel gas system where fire cannot be excluded.

**6. GAS DETECTION:** The following spaces require gas detection [15.8]: Tank connection spaces, All ducts around fuel pipes, Machinery spaces containing gas piping, gas equipment or gas consumers, Compressor rooms and fuel preparation rooms, Other enclosed spaces containing fuel piping or other fuel equipment without ducting, Other enclosed or semi-enclosed spaces where fuel vapours may accumulate including interbarrier spaces and fuel storage hold spaces of independent tanks other than type C, Airlocks, Gas heating circuit expansion tanks, Motor rooms associated with the fuel systems, and At ventilation inlets to accommodation and machinery spaces if required based on a risk assessment.

**7. OPERATION MANUALS:** The ship shall be provided with operational procedures including a suitably detailed fuel handling manual, such that trained personnel can safely operate the fuel bunkering, storage and transfer systems. The manual should include, but is not limited to [18.4.2.1] Operation of inert gas systems (N<sub>2</sub>), Firefighting and emergency procedures: operation and maintenance of firefighting systems and use of extinguishing agents, Fixed and portable gas detection operation and maintenance of equipment. Additionally, most Classification Societies do have their own regulations covering requirements for ship equipment for dual-fueled installations.

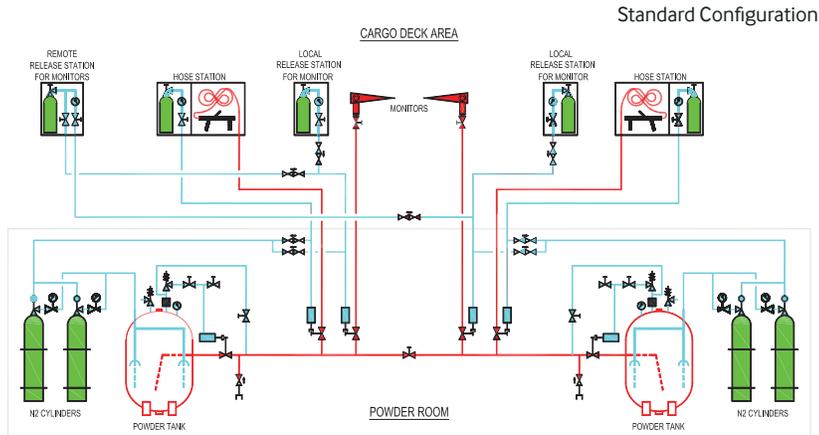
## DRY CHEMICAL POWDER FIRE EXTINGUISHING SYSTEM

LNG vessels pose a particular challenge due to the combined risks of structural and environmental damage along with loss of life in the event of a fire

Utilizes dry Potassium Bicarbonate powder or Sodium Bicarbonate powder, with additives to prevent lumping

Available as a central or modular system, it releases dry chemical powder that breaks down the chemical reaction within fire and suppresses flames immediately

An excellent solution for cargo deck and loading areas and bow or stern cargo handling if applicable



PRODUCT	H	PRODUCT #
Dry Chemical Fire Extinguishing System		Call
LNG Bunker Station Dry Chemical Powder System		Call

## NITROGEN (N2) GENERATOR SYSTEM

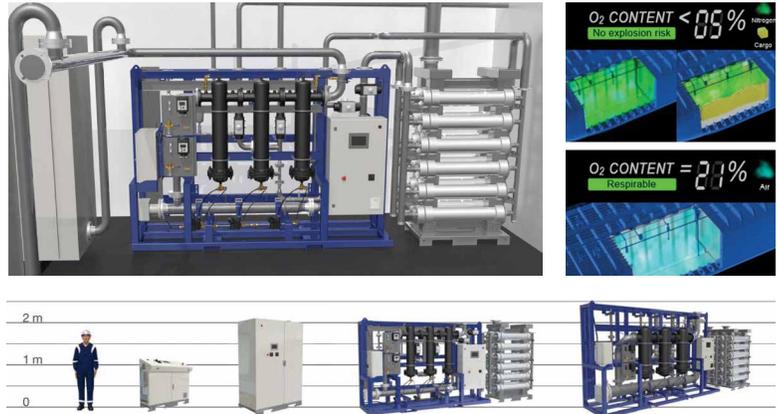
Based on the original N2 system with membrane technology for the maritime market, and further developed based on latest rules and regulations

Ideal for protecting sensitive or perishable cargos such as food and chemicals against oxidation

Helps avoid fires and explosions by inerting spaces of oxygen and creating a dry atmosphere to avoid formation of damaging ice

In-house assembly and own design enables us to provide you with a high quality, well controlled and optimized solution

All systems listed below have a feed air pressure of 7-15 BAR



PRODUCT	NITROGEN CAPACITIES	SKID TYPE	QUANTITY - L X W X H DIMENSIONS	QUANTITY - UNIT WEIGHT	H	PRODUCT #
Nitrogen (N2) Generator Cabinet System	up to 50 Nm <sup>3</sup> /h	N/A	One - 50.3x21.7x43.0" (1277x550x1092mm)	One - 230kg		IGN-CU-50
	50-450 Nm <sup>3</sup> /h	N/A	One 56.3x31.7x84.3" (1430x805x2141mm)	One - 450kg		IGN-CU-400
	450-940 Nm <sup>3</sup> /h	N/A	One - 64.2x31.7x84.5" (1630x805x2145mm)	One - 730kg		IGN-CU-900
Nitrogen (N2) Generator Open Skid System	940-1315 Nm <sup>3</sup> /h	Filter	One - 110.3x31.5x74.8" (2800x800x1900mm)	One - 1180kg		IGN-SU-1000
		Membrane	One - 61.7x31.5x83.7" (1565x800x2125mm)	One - 680kg		IGN-SU-2000
	1315-2630 Nm <sup>3</sup> /h	Filter	One - 122.1x35.5x87.0" (3100x900x2210mm)	One - 1850kg		IGN-SU-2000
		Membrane	Two - 61.6x26.2x83.7" (1565x665x2125mm)	Two - 680kg		IGN-SU-3000
	2630-3950 Nm <sup>3</sup> /h	Filter	One - 157.5x43.3x100.2" (4000x1100x2545mm)	One - 1930kg		IGN-SU-3000
		Membrane	Two - 61.6x26.2x83.7" (1565x665x2125mm)	Two - 680kg		IGN-SU-5000
3950-5265 Nm <sup>3</sup> /h	Filter	One - 157.5x100.2" (4000x1100x2545mm)	One - 2030kg	IGN-SU-5000		
	Membrane	Three - 61.6x26.2x83.7" (1565x665x2125mm)	Three - 680kg			

## INERT GAS GENERATOR SYSTEM

System emits a gas that contains less than 5% Oxygen and ensures a non-explosive atmosphere in the cargo tanks and their piping arrangement, making it ideal for vessels carrying cargo that produce hydrocarbon vapors and require an inerting solution to eliminate the risk of explosions and fires

Horizontal and recessed combustion chamber prevents fuel oil spill through SW drain line in case of misfire or dripping from fuel nozzle when not in operation, and automatic turn down/fully automatic operation ensures best possible fuel economy

PLC control logic with specially designed burner ignition sequence that will ensure a flawless ignition of the unit every time

Built in accordance with 1974 SOLAS Convention with latest amendments

Smart & solid design ensure reliable operation performance and easy maintenance



APPROVALS:



PRODUCT	H	PRODUCT #
Inert Gas Generator System		Call
Dual Fuel Inert Gas Generator System		Call
Flex Inert System		Call
Fule-Generator System		Call
Inert Gas Deck House Modules		Call

## HIGH PRESSURE CO<sub>2</sub> FIRE EXTINGUISHING SYSTEM

Total flooding solution that is ideal for extinguishing fires in closed spaces quickly and effectively with minimal risk to the environment and equipment

Consists of pressure operated cylinder top valves that quickly discharge the CO<sub>2</sub> gas and ensure almost instantaneous extinguishing of the fire

Does not require electrical power, water or machinery to release the gas

Easy to install and operate, requiring no maintenance except from the regulatory periodic inspections

Re-filling of the CO<sub>2</sub> cylinders is available worldwide

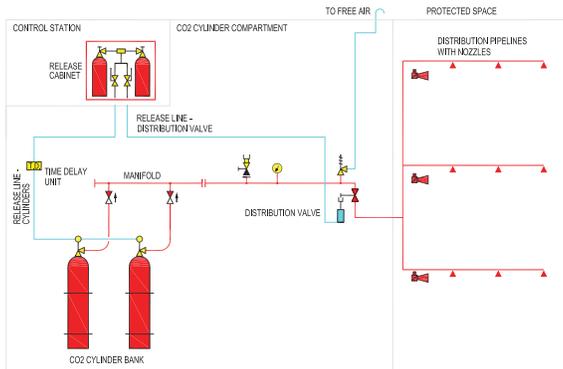
Designed for optimal system performance and may be supplied in rack modules to save installation time and cost

Quick discharge reduces potential cost of damages

System can be complemented by the XFlow Local Application Fire Fighting System for providing total fire protection for engine room

Local systems for paint lockers and galley ducting are also available, and smoke sampling systems for cargo holds can be incorporated in the CO<sub>2</sub> system package

Standard Configuration



PRODUCT

High Pressure CO<sub>2</sub> Fire Extinguishing System

H

PRODUCT #

Call

## HIGH EXPANSION FOAM FIRE EXTINGUISHING SYSTEM

Suppresses fire in areas at high risk for fire spread, such as machinery spaces (Category A) and pump rooms, providing the best swift and safe deployment solution versus CO<sub>2</sub>

High expansion ratio and stable condition of the foam results in a very rapid filling rate, low consumption of water and foam concentration, optimized protection of equipment, and a cooling effect that hinders fire from re-igniting after it is extinguished

System may be used both as total flooding system or installed in individual compartments, with zoning options for selective and sequential release

Environment-friendlier and non-toxic system combines synthetic foam concentrate, water and air to extinguish fire by separating the fuel from the air, and starving the flames of oxygen so that combustion is immediately eliminated

No external foam generating room or extensive fans / air ducting are required, and minimal maintenance is needed, so installation and operational costs are low

Consists of a foam storage tank at atmospheric pressure, a pump and mixing equipment that is located in the central foam room.

Complies with SOLAS and approved by major classification societies (IACS) with extensive independent testing according to IMO MSC/Circ.1384, foam testing according to IMO MSC/Circ.670 and foam concentrate compliance with requirements of European Council Directive 96/98 on Marine Equipment Directive (MED)

Replacement of the foam concentrate is available worldwide



## LOW EXPANSION FOAM FIRE EXTINGUISHING SYSTEM

Uses a non-toxic protein or synthetic foam concentrate, water and air to safely and effectively extinguish fires in open spaces making it harmless to people and the environment

Complies with the design requirements in IMO FSS chapter 14 for fixed deck foam and complies with MSC circ1312

Consists of monitors, portable applicators and foam spray nozzles, installed either individually or in conjunction with each other

Monitors are used in jet or fog mode and located according to the regulation, while portable applicators and nozzles cover shadow areas not reachable by the monitors

Mounted on modular skid units to provide easy installation and reduced footprint, with components protected against corrosion providing a robust, low maintenance system

To prevent foam contamination, a fiberglass reinforced polyester designed tank is used and the system can use fresh or sea water

For service purposes, foam concentrate is available worldwide as well as foam testing, service and system upgrades

Designed for optimal system performance to keep costs low



PRODUCT	H	PRODUCT #
High Expansion Foam Fire Extinguishing System		Call
Low Expansion Foam Fire Extinguishing System		Call

## NOVEC 1230 CLEAN AGENT FIRE EXTINGUISHING SYSTEM

Environmentally friendly alternative using Novec 1230 fluid, which is safe to use in areas where humans are working

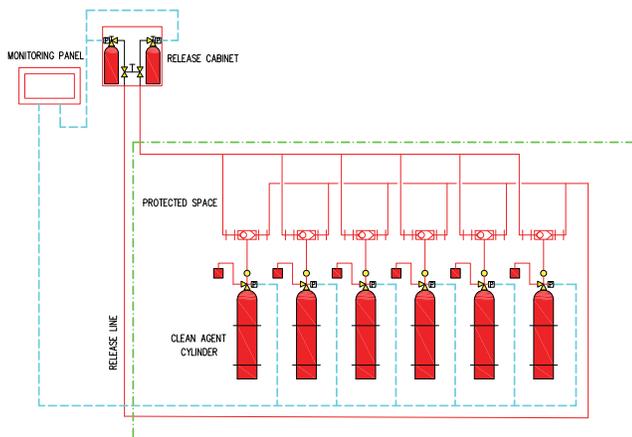
Clean agent extinguishes fire by removing heat and providing chemical interference with the flame

The central and modular systems can be fitted onboard both new ship builds and existing vessels needing a replacement

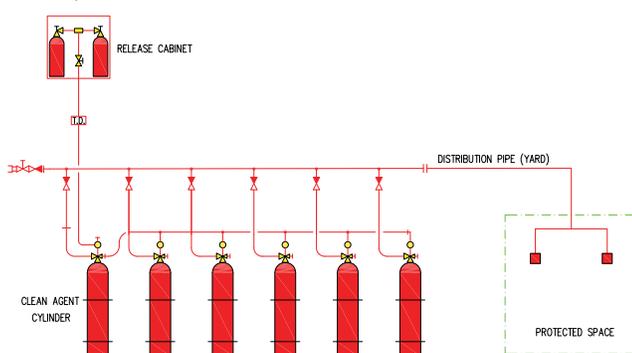
This system is an excellent solution for Halon retrofitting and is a safer alternative to CO<sub>2</sub>



Modular system:



Central system:



## INERGEN GAS CLEAN AGENT FIRE EXTINGUISHING SYSTEM

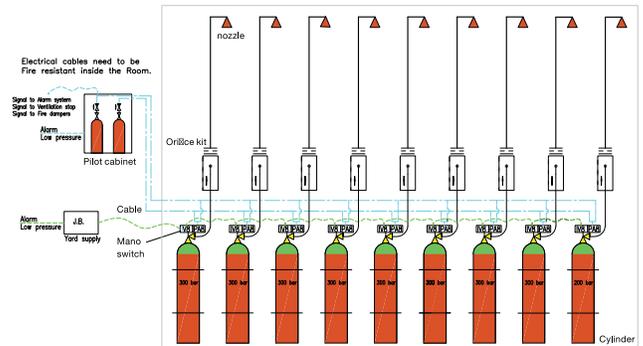
Environmentally friendly alternative using Inergen, which is harmless to humans, property and inventory making it perfect for rooms with sensitive equipment

Provides efficient extinguishing of fire by reducing oxygen level in enclosed spaces

Inergen Gas is a mixture of 52% Nitrogen (N<sub>2</sub>), 40% Argon (Ar) and 8% Carbon Dioxide (CO<sub>2</sub>)

Both central and modular systems are available for ships and offshore installations, new build and retrofit, and can even be located inside cabinets to prevent secondary damage

Standard Configuration



PRODUCT	PRODUCT #
Novec 1230 Clean Agent Fire Extinguishing System	Call
Inergen Gas Clean Agent Fire Extinguishing System	Call

## X-FLOW WATER MIST TOTAL FLOODING FIRE FIGHTING SYSTEM

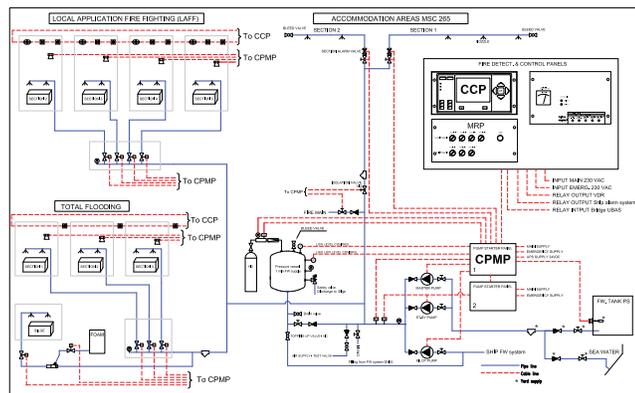
This is a low pressure, water based system that applies patented technology with the XFlow nozzle

It meets the NFPA definitions by deploying specially designed nozzles which rapidly release extremely fine water mist that quickly removes oxygen, provides a cooling effect with small quantities of water, and prevents re-igniting the fire

Allows user-friendly operation from local, central and remote operated panels for immediate release without shutting down machinery, evacuating personnel or isolating the space



Standard Configuration



XFlow Coverage Pattern

XFlow Nozzle Head



## X-FLOW WATER MIST LOCAL APPLICATION FIRE FIGHTING SYSTEM

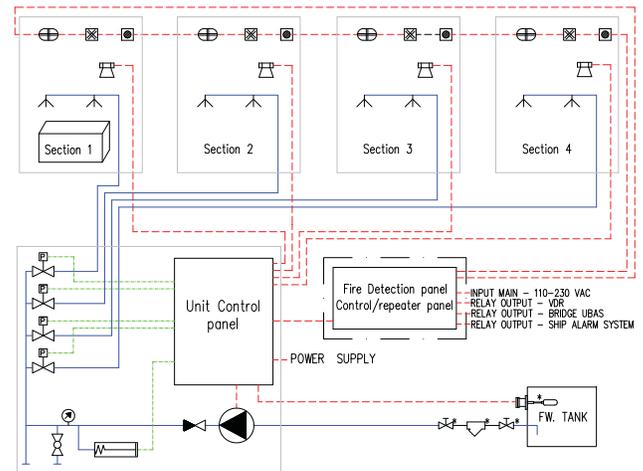
Utilizes same technology as the Unitor XFlow Total Flooding System, but is specifically approved for use in high risk machinery areas

Highly effective, is non-toxic and safe for humans, leaves no residue to clean up, and can be easily combined with the Unitor XFlow Total Flooding System

Allows user-friendly operation from local, central and remote operated panels for immediate release without shutting down machinery, evacuating personnel or isolating the space



Standard Configuration



PRODUCT	PRODUCT #
X-Flow Water Mist Total Flooding Fire Fighting System	Call
X-Flow Water Mist Local Application Fire Fighting System	Call



## FIREBUDDY PLUS

Our top of the range fireman's outfit uses softer flexible materials to give you more freedom of movement and is comprised of helmet, jacket, pants, leather gloves, non-conductive electrical gloves and bag

Suit is a two-piece garment with four-layer construction that ensures thermal protection for the wearer while providing breathable comfort

Outer shell is aramid, layer 2 is a waterproof breathable membrane, layer 3 is an meta-aramid/para-aramid felted thermal barrier and layer 4 is a modacrylic/Lenzing lining

Additional features include elasticised cuffs to prevent water ingress, retro reflective tape and a radio pocket

Jacket has a stand up collar, elasticated cuffs, and is closed by a zip covered by an overlapping front with touch and close fastening to the front and collar

Pants have wide elasticated braces with adjusters and quick-release buckles for taking on and off quickly

Compact helmet is constructed in flame retardant high temperature copolymer plastic (284°F/30 min, 482°F/15 min) and features polycarbonate anti-scratch and anti-fog coated visor, removable aluminised neck protector, interior polyurethane foam shock absorber, integrated adjustment system (fits head sizes 20-25"), reflective tape, flame retardant cotton chinstrap

Leather gloves have kevlar inserts and cuff and are heat, slash and puncture resistant

Non-conductive Gloves electrically insulate up to working 500v AC, and tested to 2500v AC

Fire resistant wellington boots have flexible soft rubber uppers, santized cotton linings, and a slip resistant sole with composite strengthening

APPROVALS: CE SOLAS Conformant Product  

PRODUCT	SIZE	H	PRODUCT #
Firebuddy Plus Firefighter's Outfit	Medium		775620
	Large		775621
	Extra Large		775622
Fireman Boots	41 UK		766803
	42 UK		766804
	43 UK		766805
	44 UK		766806
	45 UK		766807
	46/47 UK		766808
Lamp Holder for PAB Fire Fighters Helmet			777539
Led Lamp for PAB Fire Fighters Helmet			777538
Fire Axe with Insulated Handle 2 kV			534958



## FLAMEGUARD MK3 SOLAS

Recently approved to the latest EN1612 providing compliance for years to come

Generously sized with braces and adaptable closures so that the Large size is able to fit the widest proportion of your crew possible, particularly if you have a regular change of crew

Complete kit solution for Non-MED vessels with a suit, boots, helmet and gloves

New materials improve the bonding of aluminium and the cotton backing to provide longer suit life and improved levels of usage performance

Suit is a two-piece garment constructed in aluminized, fire-resistant modacrylic cotton

Jacket has a stand-up collar, elasticated cuffs and 2" wide touch-and-close fastening closure to the front and collar

Pants have 1" webbing braces with plastic adjusters to fit a wide range of wearers and the lower leg is elasticated

Gloves are made from aluminized, fire-resistant modacrylic cotton backs, fire-resistant cotton palms, and are worn over non-conducting gloves

Helmet assembly is comprised of a safety helmet fitted with a fabric neck-curtain, chinstrap and a replaceable 2 mm heat and impact resistant polycarbonate visor that can be flipped up

Wellington boots from UK sizes 42-46 with protective toecap are provided

APPROVALS: CE SOLAS Conformant Product  

PRODUCT	SIZE	H	PRODUCT #
Flameguard SOLAS Firefighter's Outfit	Medium		775148
	Large		775155
	Extra Large		775163
SOLAS Fireman Boots	42 UK		777465
	43 UK		777466
	44 UK		777467
	45 UK		777468
	46 UK		777469
Fire Axe with Insulated Handle			534958
Sfaety Lamp with Battery			658310
Atex Safety Torch with LED			790100

## FIREBUDDY AND FLAMEGUARD MK3 FIRESUITS SIZING CHART

SIZE	HEIGHT RANGES	CHEST RANGES	WAIST RANGES	INSIDE LEG
Medium	64.5-71.5" (164-182cm)	33-40" (84-104cm)	33-40" (84-104cm)	29" (74cm)
Large	67-74" (170-188cm)	37.5-45.5" (96-116cm)	37.5-45.5" (96-116cm)	31" (79cm)
Extra Large	69-76" (176-194cm)	44-52" (112-132cm)	44-52" (112-132cm)	33" (84cm)

## PAB HT04 FIRE HELMET

Lightweight and designed to protect a firefighter's head with impact resistance in the most extreme conditions

Composite technology enables full protection with long-term resistance to 482°F/30 min. (radiant heat test 14 KW/m<sup>2</sup>) and even at shorter flash over flames reaching up to 1800°F

Includes PES anti-scratch and anti-fog coated visor, which is resistant to 572°F (EN 14458) and folds inside the helmet to be out of your line of vision when not use

Also includes a carbon-fiber neck curtain

Helmet can be used with any marine kits onboard your vessel during fire-fighting operations or when clearing debris

Generous sizing of 52-63cm will cover the majority of your crew

Extremely lightweight (1.350 g) and fitted lugs that support a wide selection of compatible accessories

More resistant to mechanical impacts than any standard helmet (EN 443/2008)

Luminescent and reflective tapes visible from all sides and in all conditions

Interior shock absorber is made of polyurethane foam and interior ventilating channels help enable comfortable work

Nomex chinstrap is tested to prevent skin irritations



Fire Helmet shown with optional LED lamp and holder

## FIRE AXE WITH INSULATED HANDLE

Offers a sufficient rating to cover most ships' electrical voltages

Tested to 2 kV with a separated handle so can assuredly tackle fires onboard your vessel

Corrosion-resistant with ergonomic, non-aging insulated handle for improved grip, longer life and excellent protection

Impact-proof and will not shatter when you are tackling solid metals

Axe head is SAE1055 steel, a proven workhorse of the rescue industry



## FIREFIGHTER BOOTS (MED)

Fire-resistant wellingtons with flexible Nitrile rubber uppers, sanitized linings, polymer toe cap, composite antiperforation mid-sole and slip-resistant sole pattern,

Ideal for either emergency situations or as a general working boots where protection against numerous hazards including fuels, greases, solvents, weak and diluted acids is needed

Suitable for emergency situations incidents involving the release of hazardous chemicals

Tough and long lasting delivering excellent resistance to cuts and abrasions

Wide size range of 41 to 46 (European sizes)



survitec

PRODUCT	H	PRODUCT #
PAB HT04 Red Fire Helmet w/visor		774943
Lamp Holder for PAB Fire Helmet		777539
LED Lamp for PAB Fire Helmet		777538
Fire Axe with Insulated Handle 2 kV		534958
MED Firefighter Boots - Size 41		777465
MED Firefighter Boots - Size 42		777465
MED Firefighter Boots - Size 43		777466
MED Firefighter Boots - Size 44		777467
MED Firefighter Boots - Size 46		777469

## FIRE EXTINGUISHERS

Our extinguishers have higher ratings, easier fire fighting capability and increased levels of user safety

All are manufactured from 2 mm thick steel, shot blasted and polyester coated with a non rusting safety pin

Provides burst pressure at a higher level than the industry standards for the cylinder and hose

Fire extinguishers are available in cartridge, stored pressure and wheeled versions

Cartridge versions utilize a propellant cartridge to expel extinguisher contents

Stored pressure versions can expel contents with the pressure present in the cylinder

Wheeled versions allow you to quickly move a high capacity extinguisher closer to the fire with ease, and feature a long, non-kinking hose with opening tap which provides better directional control so you can fight fires from a longer distance

### Powder

Feature an integrated flow control valve at the hose which provides better directional control and delivers high levels of mono-ammonium phosphate powder for quicker fire fighting capability, even on electrical fires up to 35 kV

### Fat Fire

A B F rated, specially designed to extinguish cooking oil fires (Class F) in industrial kitchens or canteens, and contain water plus a high performance AFFF additive which together form a film when sprayed to extinguish electrical fires even up to 35 kV

### Water

Feature a specially designed lance that helps get to the heart of the fire for quicker fighting capability, even on electrical fires up to 1000 kV

### CO<sub>2</sub> Gas

Suitable to fight fires on live electrical installations on board shipping vessels and can be used on electrical fires up to 35 kV

### Foam

Specially blended high performance AFFF additive enables efficient and expedient fire fighting



Powder Cartridge    Fat Fire Cartridge    Water & Foam Cartridge    Stored Pressure Powder    Stored Pressure CO<sub>2</sub> Gas

Wheeled Powder



Wheeled CO<sub>2</sub> Gas



Wheeled Foam



PRODUCT	TYPE	SIZE	H	PRODUCT #	
Cartridge Fire Extinguisher	ABC Powder	6kg		766988	
		9kg		766990	
		12kg		766994	
	ABCD (Metal) Powder	9kg		657957	
		ABF (Fat Fire) Foam	6L		763870
	Stored Pressure Fire Extinguisher	ABC Powder	Water	9L	766982
			Water & Foam	9L e9	766984
				9L e9a1	764043
				2kg	766995
			6kg	671594	
Wheeled Fire Extinguisher	ABC Powder	9kg		739508	
		12kg		743104	
	CO <sub>2</sub> Gas	5kg		667535	
		25kg		778991	
Cartridge Fire Extinguisher Universal Bracket	ABC Powder	50kg		778994	
		9kg		767929	
		20kg		767930	
		45L		778998	
Foam	135L		778996		
				711416	
				668111	
				671909	
				739516	
				743112	
				669655	
				756387	
				668285	
				668293	
				668319	
				736579	
				668210	
				668178	
				668236	
				668251	
				667766	
				668194	
				667584	
				667766	

APPROVAL	POWDER	FAT FIRE	WATER	WATER & FOAM	CO <sub>2</sub> GAS	FOAM
2014/90/UE MED/3.52	Certified (cartridge, wheeled)				Certified (wheeled)	Certified
2014/90/UE MED/3.2	Certified (stored pressure)	Certified		Certified	Certified (stored pressure)	
Directive 96/98 EC			Certified			
EN 3-7 : 2004 (+A1:2007)	Compliant (cartridge, stored pressure)	Compliant		Compliant		
EN 3-8 : 2006 (+A1:2007)	Compliant (stored pressure wheeled)					
EN 3-9 : 2006 (+AC 2007)	Compliant (cartridge, stored pressure)	Compliant		Compliant	Compliant (stored pressure)	
EN 3-10 : 2009	Compliant (cartridge, stored pressure)	Compliant		Compliant	Compliant (stored pressure)	
EN 1866-1 : 2007	Compliant (wheeled)				Compliant (wheeled)	Compliant
EN 1866-2 : 2013					Compliant (wheeled)	
EN 1866-2 : 2014	Compliant (wheeled)					Compliant

## GAS PRO FOUR GAS DETECTOR

SOLAS XI-1/7 approved by MSC 93/94 requires all ships engaged in international voyages to have a minimum of one portable 4-gas detection unit onboard

The Gas Pro 4 is the ideal solution for confined space workers and fleet managers, offering detection of up to 4 gases

Comes with an internal pump (up to a 30.0 meter sample) and has the required class approval as standard

Unit provides full data/event logging for record keeping and is robust for harsh environments IP65 & IP67

One button for ease of use and clear, top mount display with dual color backlight for quick decision making

Activation with the flow plate takes the pain out of pre-entry testing and allows Gas Pro to be worn either in pumped or diffusion modes

Additional features include Front, top and side visible alarm windows; four sensor apertures; large resonant sound cavity for ultra-loud audible alarm; and easy test solutions for bump and calibration

Consists of one unit with 20m hose, CD training package, USB cable for charging, multi-regional charger

Optional 34L span gas cylinder, extra sensor package and regulator valve are available



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PRODUCT	H	PRODUCT #
Gas Pro Four Gas Detector		778972
Gas Pro Flow Plate - Pumped Unit		778944
Gas Pro Charger Cradle		778946
Gas Pro + T4 USB Cable		778948
Gas Pro Charging Lead		778950
Gas Pro Multi Region Power Supply		778952
Gas Pro Multi Region Power Lead		778954
Gas Pro Sensor Kit Ch4		778960
Gas Pro PC Calibration Flow Plate		778980

## T4 FOUR GAS DETECTOR

SOLAS XI-1/7 approved by MSC 93/94 requires all ships engaged in international voyages to have a minimum of one portable 4-gas detection unit onboard

The T4 offers compliance, robustness and low cost of ownership in a simple to use solution

A large single button and intuitive menu system allows the user to operate the unit even when wearing gloves

Additionally, the T4 ensures durability by design and includes an integrated rubber boot as standard

An optional clip-on filter cover, which is easily removed and replaced, ensures sensors are protected in the dirtiest environments

The T4 is hand pumped, comprised of a 4-gas monitor ideal for testing in enclosed spaces in general room areas, with operation possible in deep spaces

Consists of one unit with CD training package, USB cable and multi-regional charger

Optional 20 m hoses with hand aspirator/pump, extra sensor package and regulator are available



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PRODUCT	H	PRODUCT #
T4 4 Gas Detector		778964
T4 Sensor Replacement Kit		778956
Telescopic Aspirator Probe 1 m		656843
Water Trap for Sampling Hose		656850
Sampling Hose 20 m		656827
Span Gas Cylinder Regulator		620013
Span Gas for Bump Test and Calibration		742951
T4 Cradle Charger		778932
T4 Power Supply for Cradle Charger		778982
Gas Pro + T4 USB Cable		778948
T4 Sensor Filter Plate		778976
T4 Bump and Calibration Test Plate		778934
T4 Aspirator Plate		778986
T4 Hand Aspirator		778936
Aspirator Hose 20m		656827
Standard Tubing 30m		778942
Sampling Tube 30m		778942
T4 Aspirator Kit		778984

## HEARTSTART FRX DEFIBRILLATOR

Designed to be easy to use, rugged, and reliable for first responders, search and rescue and ship medical staff

Philips SMART Biphasic technology delivers a highly effective defibrillation shock while also gentle to the heart to avoid damage

Only shocks when required, even if the shock button is pressed

SMART Pads II enable the FRx to keep pace with the responder by adjusting to their actions

Self testing

Clear instructions, and step by step guidance through the screen

Comes complete with pads in soft case



PHILIPS

PRODUCT	H	PRODUCT #
Heartstart FRx Defibrillator Complete		755942

## JUNIOR II-E AIR COMPRESSOR

Lightweight, easily portable and compact allowing for easy transport when fighting fire and perfectly suited for use onboard vessels that need to fill breathing 200 / 300 bar air cylinders regularly but not continuously

Robust coated frames give you durability and a longer life in the marine environment

Long life Triplex P21 Filter cartridges ensures cleaner air (EN12021), ensuring you have a consistent, safe source of clean breathing air

Supplied with a 12 month air purification certificate

B-Timer records running hours and maintenance log

Built-in B-timer provides filter condition status, scheduled maintenance and running hours log to ensure the quality of your air remains at a high level

Corrosion-resistant steel frames make it ideal for use onboard vessels

We have a 20 year spare parts supply and global technical service supporting your investment long term



## POSEIDON PE100 COMPRESSOR

Highly engineered, robust and light weight delivering an excellent price/performance ratio at very high quality

Range has been developed for reliable operation combining proven core components from BAUER with a simple and robust chassis

By far the smallest and lightest compressor unit of the PE range

Supplied with a 12 month air purification certificate

Provides 200 bar and 300 bar filling

Long life Triplex P11 filter cartridges ensures a consistent, safe source of clean air (EN12021)

The corrosion resistant steel frames make it ideal for use onboard vessels



PRODUCT	H	PRODUCT #
Junior II-E Air Compressor 200 bar		619387
Junior II-E Air Compressor 300 bar		619395
Junior II-E Air Compressor 200/300 bar		619403
Poseidon PE100 Air Compressor 200 bar		777994
Poseidon PE100 Air Compressor 300 bar		777965
Breathing Air Compressor Quality Test Kit		736660
Compressor Filter Charge		528935
Service Kit Junior II/PE 500 H/1 Year		652644
Service Kit Junior II/PE1000 H/2 Years		652651
Service Kit Junior II/PE 2000 H/4 Years		736208
Bauer Compressor Lubrication Oil 1L		758169
Change Over Device 200-300 Bar		709139
Change Over Device 300-300 Bar		709121
Filling Hose 50 m, DN6, PN450		758847

## OUTSIDE MEDICAL OXYGEN SYSTEM IMO

Complete outside medical oxygen system ensures you meet the latest IMO IMDG/MFAG regulations for shipboard use to supply oxygen to two persons at the same time

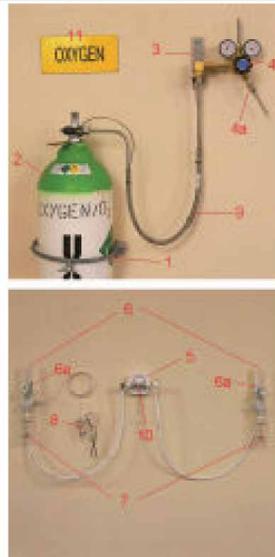
Two separate flow meters allow for independent flow rates to each patient

Compatible with Unitor Mox-40 cylinders exchange system

Features PiSS Valve (Pin Index Safety System) connection

Complete system supplied in one box

System supplied in 1 box with easy installation instructions



## BEDSIDE MEDICAL OXYGEN SYSTEM IMO

Complete bedside medical oxygen system that meets the latest IMO IMDG/MFAG regulations for shipboard use to supply oxygen to two persons at the same time

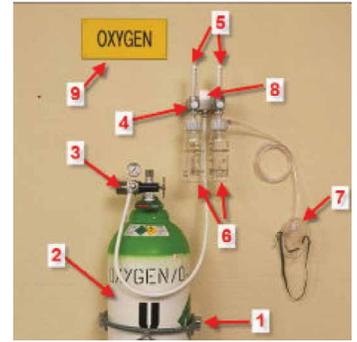
Two separate flow meters allow for independent flow rates to each patient

Compatible with Unitor Mox 40 cylinders cylinder exchange system

Features PiSS Valve (Pin Index safety system) connection as standard

System supplied in 1 box with easy installation instructions

Requires cylinder filling (not included)



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PRODUCT	# IN IMAGE	H	PRODUCT #
Outside medical oxygen system IMO Excluding Cylinder	N/A		610253
Breathing Oxygen MOX-40 Filling	2		905617
Spare rack for 1 cylinder	1		320358
Spare adapter with bracket	3		596221
Spare regulator 520 ox pressure 0-100 bar	4		510021
Spare adapter 8mm >3/8" BSP	4a		682435
Spare gas outlet MC 70 O2	5		596445
Spare 1-slit rail	6a		596403
Spare flowmeter f/rail mounting 0-15	6		617886
Spare humidifier 0.25L	7		596361
Spare disposable oxygen therapy masks (10 pk)	8		610188
Spare high pressure oxygen hose	9		625038
Spare t-piece w/oxygen quick	10		606124
Spare OXYGEN sign	11		763581
Spare Cabinet IMO Medox F/1 Cylinder	Opt		638387

PRODUCT	# IN IMAGE	H	PRODUCT #
Bedside Medical Oxygen System IMO Excluding Cylinder	N/A		610261
Breathing Oxygen MOX-40 Filling	2		905617
Spare rack for 1 cylinder	1		320358
Spare regulator w/quick coupling	3		608414
Spare double outlet O2. F/rail	4		608406
Spare flowmeter for gas outlet 0-15 L/min	5		596379
Spare humidifier 0,25 L	6		596361
Spare disposable oxygen therapy mask (10 pk)	7		610188
Spare 1-slit rail	8		596403
Spare OXYGEN sign	9		763581

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## 4 COMPONENT GAS MIX



Span gases are used for calibration and bump testing of gas detection equipment like the UNITOR T4 and the UNITOR Gas Pro detection units

Minimax 34 cylinder gas composition is 100 ppm Carbon monoxide (CO), 15 ppm Hydrogen Sulphide (H2S), 2.2% Methane (CH4), 18% Oxygen (O2) and balance is Nitrogen (N2)

Includes disposable can, MINIMIX 34 cylinder, 34 L of gas contents and C10 5/8"-18 UNF connection

## OXYGEN RESUSCITATOR

Fulfills your need to manually provide medical oxygen as required by the medical first aid guide

Designed to enable you to concentrate on looking after the patient and not on operating the equipment, with no danger of you over-inflating the patients lungs

The MOX cylinder is part of the Unitor global cylinder exchange system (Unitrak) and is available for exchange in most ports

Numerous sizes of guedel airways, manual ventilator with different sizes of oxygen masks, and it comes complete with bag



PRODUCT	H	PRODUCT #
4 Component Gas Mix		742951
Spare regulator f/Scotty VI and 4COMP		620013

PRODUCT	H	PRODUCT #
Oxygen resuscitator without cylinder		652131
Breathing oxygen MOX-2 Filling		905638
Spare oxygen regulator + yoke for PISS		763967
Spare seal f/PISS valve (10 pk)		691808

## SPiROMATIC 90U AND 90USA SCBA

Spiromatic 90U and 90USA are entry level Self-Contained Breathing Apparatus (SCBA) with a robust design and no protruding parts, making them perfect for firefighting and ideal for industrial and maritime environment usage

Pressure regulator (1st stage regulator) is identical to other Interspiro SCBA series, with First Breath activation of positive pressure occurring from the inner mask, or a version with ambient air hatch for standby use to provide extended duration time

Features: reliable operation, excellent visibility, audible alarm placed on chest, mask and breathing valve in a compact design, no sticky parts, ability to connect to an airline system or extra mask, open back frame design that reduces weight and improves ventilation, and a harness equipped with padded shoulder straps and easy-to-adjust hip belt buckles

Spiromatic 90U configurations may be delivered as a SCBA including face mask, or as basic model excluding the face mask and breathing valve

Spiromatic 90USA-S configurations are NIOSH approved according to U.S. product standards, in which the 90USA-S is delivered with the S face mask, and available in one high pressure (HP) version for 4500 psi and one low pressure (LP) version for 2216 psi

SCBA and S-Mask carry approvals for 89/686/EEC/PPE (EU directive), 96/98/EEC/MED (Ship Wheel), ISO 23269-3 (Ship Wheel), EN 137 (CE), EN 136 (S-Mask), PED (Cylinder and Cylinder valve), Standards Mark AS/NZS 1716:2012 (Australia) and NIOSH 42 CFR Part 84 (Accepted by the U.S. Coast Guard)

If cylinders are ordered, they will be supplied empty



Spiromatic 90U SCBA with S-mask



S-mask

Inspire mask

S-PE mask

S-ESA mask

S-N mask

## SPiROSCAPE EEBD

Simple to use Emergency Escape Breathing Device (EEBD)

Ambient air valve automatically opens when the cylinder is depleted eliminating the risk of suffocation inside the hood and the need to waste breathing air on a low air warning alarm, and no need for a warning device

Patented air distribution system expels Carbon Dioxide from the hood, thus optimizing air usage from the cylinder.

Air flow is activated by pulling the quick start strap, which simultaneously opens the zipper on the carrying bag and gives the user access to the hood

Anti-tamper tag verifies the integrity of the unit, and the cylinder contents gauge can easily be viewed from the outside

Additional features include: two-layered hood (outer and inner) positions the inner mask correctly, very flexible neck seal, easy to don and comfortable to wear usability, quiet air delivery system allows for voice communication, fail-safe quick start mechanism guarantees automatic air activation, ability to reuse unit, and quick fill system with quick and easy recharging of cylinders

Spiroscape carries approvals including CE and NIOSH (Ship Wheel) for 200 bar or 3000 psi versions, 89/686/EEC/PPE (EU directive), 97/23/EEC/PED (Cylinder and Cylinder valve), 96/98/EEC/MED (Ship Wheel), EN 1146 (CE), ISO 23269-1 and NIOSH 42 CFR Part 84 (Accepted by U.S. Coast Guard)



APPROVALS:    **INTERSPIRO**

	PRODUCT #
Spiromatic SCBA 90USA	30137-01
Spiromatic SCBA 90USA-S	30137-04
SCBA 90U 2-year service kit	460190711
SCBA 90U S-mask Ambient air hatch	32110-01
10-year service kit for SCBA 90U S-mask ambient air hatch	460200129
SCBA 90U S-mask Ambient air hatch, extra air connection	32110-02
10-year service kit for SCBA 90U S-mask ambient air hatch, extra air connection	460200130
SCBA 90U S-mask First breath	32110-03
10-year service kit for SCBA 90U S-mask First breath	460200131
Spiromatic SCBA 90U S-mask First breath, extra air connection	32110-04
10-year service kit for SCBA 90U S-mask First breath, extra air connection	460200132
Steel 6L cylinder with In-line cylinder valve	98832-01
Composite alu-liner, 6,8 L cylinder with In-line cylinder valve	31126-03
SCBA cylinder valve type II 5-year service kit	460190686
Spiromatic test Equipment	331190315
Spiromatic test adapter, S-mask hatch and first breath	96210-01
Spiromatic test cover S-mask first breath	33537-01
Spiromatic 90U toolkit for service and repair	346190310

## INTERSPIRO

PRODUCT	APPROVALS	PRODUCT #
Spiroscape EEBD 15min - with air	 	95300-02
Spiroscape EEBD 15min - without air	 	95300-02 EMPTY
200 bar composite cylinder, filled		95300-10
200 bar auto-fill adapter		95360-02
Spiroscape EEBD 15min - with air		95300-11
Spiroscape EEBD 10min - with air		95300-12
3000 psi auto-fill adapter		95360-04

## M-20.2 EEBD

World's smallest and most durable Emergency Escape Breathing Device (EEBD) that is a closed circuit compressed O2 system used to provide emergency escape from confined spaces and provides up to 32 minutes of protection

Less than 10 second donning time; pulling the unit from the case automatically starts oxygen flow providing quick and easy to use functionality that is demand regulated by the wearer

15-32 minute typical performance duration, based on load and environmental factors, with a -4°F to 149°F (-20° C to 65° C) storage temperature range

Light and compact so it can be worn comfortably on a belt in confined spaces

Only weighs 3.1 lbs (1.4kg)

Teflon hood provides maximum protection for the user from hazardous environments, with excellent heat and chemical resistance, while still allowing a full field of view

Selected for exclusive use by the U.S. Navy, U.S. Coast Guard, and Hellenic Navy



APPROVALS:

PRODUCT	S V	PRODUCT #
M-20.2 EEBD		940077
M-20.2 EEBD Secondary Container (orange)		648000
M-20.2 Stowage Rack (steel with retaining strap)		648061
M-20.2 Stowage Rack (chrome plated steel wire form)		648062
M-20.2 Pouch (woven nylon, fully encloses EEBD)		930023

## SMOKE HOOD EVACUATION MASK

Easy to use, fast and simple to apply weighing only 25oz

Resists temperatures up to 1452°F (800°C)

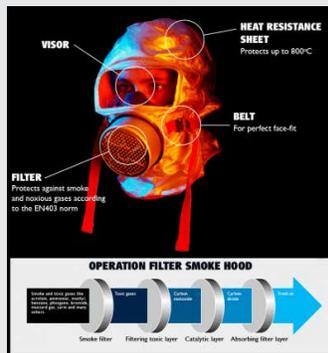
Tested, approved and certified in accordance with the demands of the European Standard EN403: 1993-S

Provides at least 15 minutes of protection against poisonous gases generated from the start of a fire including the following forseen in the EN 403 norm: Acetone C3H6O, Acrolein C3H4O, Acrylonitrile C3H3N, Ammonia H3N, Aniline C6H7N, Benzene C6H6, Carbon Monoxide CO, Carbon Tetrachloride CCl4, Chlorine Cl2, Chlorine Cyanide CCIN, Chloropirin CCl3NO2, Di chloromethane CH2Cl2, Di phosgene C2Cl4O2, Formaldehyde CH2O, Hydrogen Chloride ClH, Hydrogen Cyanide CHN, Hydrogen Sulphide H2S, Lewisite C2H2AsCl3, Methyl Bromide CH3Br, Methylamine CH5N, Mustard Gas C4H8Cl2S, Nitrous Oxide N2O, Phosgene CCl2O, Sarin C4H10FO2P, Styrene C8H8, Sulphur Dioxide O2S, Tetra chloro ethylene C2Cl4, Thionyl Chloride Cl2NO2 and Tri chloro methane CHCl3

Will also filter particles (spores/dust) down to 0.2 micron

Appropriate for single use only

Packaged in a 8.6"W x 7.8"H x 5.1"D blister pack for immediate use



PRODUCT	H	PRODUCT #
Smoke Hood Evacuation Mask		RSSSH-65

## PERSONAL ESCAPE MASKS

Survitec offers a variety of Duram Mask solutions for environments where it is hazardous to breath without proper protection

**Cogo** is a CE approved (EN-403) personal respiratory protective device providing wearers with short-term protection against smoke, Carbon Monoxide (CO), HCl, HCN and Propenal inhalation



**Kimi** is fitted with an electrostatic particle filtration P2, and protects against organic gases/vapors with a boiling point higher than 149°F, certain inorganic gases/vapors, Sulphuric and acidic gases/vapors, Ammonia, Ammonia derivatives and situations where low levels of other IDLH gases are present



**Maskito** is a highly compact respiratory protective device intended for use in emergency situations where hazardous fumes and gases are present, providing short-term protection against toxic gas and particles including elements such as HCl, SO2, C6H12 and even Tear gas (CS).



APPROVALS:

PRODUCT	M	PRODUCT #
Maskito		98100
Kimi		98250
Cogo		98500

## STORAGE CABINETS

Survitec offers top of the range cabinets for fire extinguishers, fire hoses and firefighter outfits

Fire extinguisher storage versions can be wall or floor-mounted, are manufactured from PE and feature polycarbonate windows, plastic hinges, plastic door catch and rubber door seal for additional protection

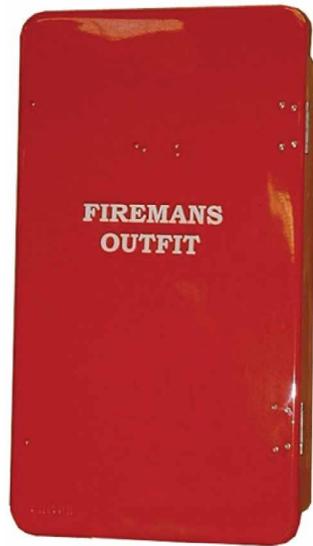
Fire hose and firefighter outfit storage versions can be wall or floor-mounted, are manufactured from GRP, and feature stainless steel hinges and fittings, water proof seams and clear labeling



Fire Extinguisher



Fire Hose



Fire Fighter Outfit



PRODUCT	F	PRODUCT #
Cabinet for Fire Extinguisher 6-9kg		766827
Cabinet for Fire Extinguisher 5-9kg		723064
Cabinet for 18m Fire Hose		234799
Cabinet for 20 m Fire Hose		605279
Cabinet for 25 m Fire Hose		758557
Cabinet (GRP) for Firefighter Outfit		592576

## FIRE HOSE, COUPLINGS AND ACCESSORIES

Our range of fire hoses offer a rugged and reliable solution specifically suitable for marine use in extreme climates and fire fighting conditions

Manufactured as circular woven with inner thermoplastic polyurethane lining to safeguard it against internal/external wear

Vulcanized and hydro tested, designed to absorb the pressure increase by swelling rather than stretching meaning increased diameter under pressure and reduced friction loss

Rubber blend has added UV barrier to prevent damage to the rubber from UV radiation, and outer layer can tolerate most of the low aromatic oil products as well as commonly used chemicals

Light weight enables ease of usage and carriage while fighting fires on vessel



Fitted with Norwegian standard and/or instantaneous couplings providing a ready to use hose compatible with the vessel's fire equipment

Our NOR-1, NOR-2, Storz C and Storz 65 couplings are made of brass to provide a corrosion-proof, maintenance-free long life, and feature a symmetrical quick connect with locking ring, making them suitable for delivery operation and easy to connect to fire systems on board a vessel



The hand-held binding device is made of a cast frame with a strip brake, that when combined with our mechanical clamping device, provides a complete tool for binding couplings to our fire hose in diameters ranging from 25-110 mm



PRODUCT	H	PRODUCT #
Mertex Fire Hose 2.5" per m without Coupling		589564
Mertex Fire Hose 2" per m without Coupling		589572
Mertex Fire Hose 2", 15m including Storz C Coupling		589648
Mertex Fire Hose 2", 18m including Storz C Coupling		589655
Mertex Fire Hose 2", 20m including Storz C Coupling		758862
Mertex Fire Hose 2.5", 1 m including Storz 65 Coupling		589671
Mertex Fire Hose 2", 18m including Instantaneous Coupling		589655
Portable Binding Machine		605212
Binding Bracket for coupling		605220
Binding Wire 1.6 mm (1 kg Roll)		758888
Nor-2 Blanking Cap with Chain		527689
Nor Coupling Spanner		527697
Storz Coupling Spanner F, B and C Type		527705
Gasket for Storz C Coupling Lug Size 66 mm		523357
Storz C Blanking Cap		527663

COUPLING	THREAD/SIZE	H	PRODUCT #
Nor-1	Female 2"		233908
	Female 2.5"		790593
	Male 2"		233940
Nor-2	Hose Socket 1.5"		233882
	Hose Socket 2"		233841
	Female 2"		233916
	Male 2"		233957
Storz C	Hose Socket 2"		233858
	Male 1.5"		605121
	Male 2"		233965
	Female 2"		607965
	Female 2"		233924
Storz 65	Hose Socket 1.5"		233890
	Hose Socket 1.25"		L29627
	Hose Socket 2"		523431
	Female 2"		523456
	Male 2"		595777
	Hose Socket 2.5"		523449
	Female 2.5"		605311

## SPRAY/JET NOZZLE

MED 96/98/EC approved, dual purpose HS 12/16/20 designed specifically for marine use, providing the ability to quickly interchange between water throw and jet function

Impact-resistant NBR rubber operation head and POM tube body providing complete resistance to seawater corrosion and deliver maintenance-free operation

Designed with absolute smooth inner surfaces to minimize water pressure loss

Light weight makes it easy to carry on board a vessel when fighting fires



## FOAM CONCENTRATES

Available globally in a variety of approved options and concentrations

**AAF** creates a gas-tight cover on liquid fire surfaces to seal in hot gases, making it capable of extinguishing fires quickly on decks and helidecks. High foam density allows for a long throw distance and safer operations, and quick foam formation allows for use in sprinkler systems and foam applicators. Flexible storage in sealed original containers for long periods of time in a temperature range between -4°F to 122°F (1%-3%) and -35°F to 122°F (6%) making it ideal for use on Oil Tankers. Also available in AR (alcohol resistant) version for firefighting and liquid spill containment on decks, in machinery spaces and on helidecks

**High Expansion Foam** is for internal use only such as engine rooms or large machinery spaces to preventively flood whole rooms or to displace flammable gas/air mixtures escaping from tanks. High temperatures up to 122°F do not affect the quality, neither does temporary freezing below the recommended limit have any undue effects on its performance making it ideal use for multi vessels.

**UNIRAL** is a newly formulated universal foam intended for use as a proportioned solution (3% = 3L of foam with 97L water) on both polar solvent and hydrocarbon fuels, making it ideal for use on decks and helidecks of Oil & Chemical Tankers. 20-25 year shelf life when stored correctly in accordance with the manufacturer's instructions or in the containers it is supplied.

**UNIROL** is a Fluoroprotein foam concentrate intended for use as a proportioned solution (3% = 3L of foam with 97L of fresh, salt or hard water) on decks and in machinery spaces of Oil Tankers. 10 year shelf life when stored correctly in accordance with the manufacturer's guidelines or in the containers it is supplied.

**UNIVEX** is a new formulated universal foam for use on both oil and chemical tankers, that extinguishes flammable hydrocarbon and polar solvent liquid fires at a unique 3% induction ratio. 10 year shelf life when stored correctly in accordance with the manufacturer's guidelines or in the containers it is supplied.

## FOAM APPLICATORS

Provides easy handling through a lighter weight construction material

Choose both pick up tubes or a direct feed, with a standard BSP end thread to fit most coupling types for complete flexibility in standardization across your fleet

Features stainless steel and brass body, induction capacity up to 6%, large area coverage, 3 and 6 bar options



## FIREFIGHTER LINE WITH HOOK

For use as a general aid, these fire-resistant lifelines are attached by means of a snap-hook to either the harness of your breathing apparatus or to your belt and provide you with the means to escape via your entry route or for rescuers to follow your path

Features galvanized steel cable IRWC 6 x 19, PP fiber core 5mm with Trevira CS braiding, 6.6kN breaking strength, snap hook and carabiner fittings



Survitec

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PRODUCT	H	PRODUCT #	FOAM CONCENTRATES	MSC 1312	MED	DNV	ICAO LVL B	IMO 670	UL 162	FIRE	H	20L CAN PRODUCT #	200L DRUM PRODUCT #
Spray/Jet Nozzle 12mm, HS-12 349x98mm		708271	AFFF F-25 1%	◆	◆	◆	◆			A+B		777696	777695
Spray/Jet Nozzle 16mm, HS-16 347x98mm		708289	AFFF F-15 3%	◆	◆		◆			A+B		777686	777685
Spray/Jet Nozzle 20mm, HS-12 348x98mm		708297	AFFF F-25 3%	◆	◆		◆			A+B		777692	777691
Foam Applicator 200 L/min at 3 bar		740605	AFFF F-35 6%				◆			A+B		777694	N/A
Foam Applicator 400 L/min at 3 bar		740621	AFFF AR F-10 3%	◆			◆			A+B		777688	777927
Foam Applicator 200 L/min at 6 bar		740613	High Expansion 2%					◆		A+B		711808	711390
Foam Applicator 400 L/min at 6 bar		740639	UNIRAL AR F-8 3%	◆			◆			A+B		778009	778008
Foam Applicator-S 3 % 200 L/min at 6 bar		740647	UNIROL F-15 3%	◆					◆	A+B		592204	556084
Foam Applicator-S 3 % 400 L/min at 6 bar		740662	UNIVEX Super AR F-15 3-6 %	◆	◆					B		764988	764986
Foam Applicator-S 6 % 200 L/min at 6 bar		740654											
Foam Applicator-S 6 % 400 L/min at 6 bar		740670											
Firefighters Lifeline with Hook 30 m		176826											

# CHOOSING THE RIGHT ONE: DISTRESS SIGNALS

The carriage requirements for emergency signals are based on a variety of considerations, such as the type of vessel, size of vessel, and where the vessel will be traveling. The requirements shown below are subject to change without notice and are for comparison purposes only. Be sure to check with your local regulating authority for the most current minimum carriage requirements applicable to your vessels and craft.

VESSEL	NORTH AMERICA CARRIAGE REQUIREMENTS	VESSEL	BRAZIL CARRIAGE REQUIREMENTS
<b>Recreational / Leisure Boats</b> (Excludes boats under 16 feet long)  Day	Three (3) USCG-approved Red Handflares <u>OR</u> Three (3) USCG-approved Red Aerial Flares <u>OR</u> Three (3) USCG-approved Parachute Red Rockets <u>OR</u> Three (3) USCG-approved Orange Handsmokes <u>OR</u> Three (3) USCG-approved Floating Orange Smokes	<b>Drilling Units</b>  Operational	Six (6) SOLAS-approved Parachute Red Rockets
<b>Recreational / Leisure Boats</b> (Excludes boats under 16 feet long)  Night	Three (3) USCG-approved Red Handflares <u>OR</u> Three (3) USCG-approved Red Aerial Flares <u>OR</u> Three (3) USCG-approved Parachute Red Rockets	<b>Drilling Units</b>  Non-Operational	Three (3) SOLAS-approved Parachute Red Rockets
<b>Fishing Vessels</b> (Over 50 miles from coastline)	Six (6) SOLAS-approved Red Handflares <u>AND</u> Three (3) SOLAS-approved Parachute Red Rockets <u>AND</u> Three (3) SOLAS-approved Floating Orange Smokes	<b>Drill Ships, FSPOs, FSUs</b>	Six (6) SOLAS-approved Parachute Red Rockets
<b>Fishing Vessels</b> (3-50 miles from coastline)	Six (6) USCG/SOLAS-approved Red Handflares <u>AND</u> Three (3) USCG/SOLAS-approved Parachute Red Rockets <u>AND</u> Three (3) USCG/SOLAS-approved Floating Orange Smokes		
<b>Fishing Vessels</b> (Within 3 miles of coastline and the Great Lakes)	Three (3) USCG-approved Red Handflares <u>OR</u> Three (3) USCG-approved Red Aerial Flares <u>OR</u> Three (3) USCG-approved Smokes <u>DAY ONLY</u>		
<b>Commercial Vessels</b> (All passenger vessels and vessels over 300 gross tons)	Twelve (12) SOLAS-approved Parachute Red Rockets <u>AND</u> Four (4) SOLAS-approved Line Throwing Appliances <u>AND</u> Two (2) SOLAS-approved 15-minute Buoy smoke		
<b>Commercial Liferrafts and Lifeboats</b>	Six (6) SOLAS-approved Red Handflares <u>AND</u> Four (4) SOLAS-approved Parachute Red Rockets <u>AND</u> Two (2) SOLAS-approved 3-minute Smokes		



BRAND	QUALITIES
	A true global market leader with strong brand recognition and loyalty, proven responsibility by backing its products with insurance protection, and the exclusive OEM supplier to leading liferaft manufacturer (Survitec) providing substantial development resources
OTHER COMPETING BRANDS	Smaller share with fractured offering, depending on area of distribution and tested performance does not match standards set by regulations

## PARACHUTE ROCKET

Designed to withstand exceptional environmental exposure and to perform reliably even after immersion in water

Red rocket - features improved grip for easy handling and conforms to SOLAS 74/88 as amended with base pull-wire ignition that launches rocket to 300 ft

White rocket - used in search & rescue operations at night for collision warning with base pull-wire ignition that launches a rocket to 984 ft



## LINE THROWER

Self-contained, single shot, line throwing appliance that is fully compliant to the latest international USCG and SOLAS/MED legislation

For use ship to shore, shore to ship, and ship to ship, with a line breaking strain of 2kN

Activation launches a rocket 750 ft



## DAY/NIGHT SIGNAL

Compact hand-held distress signal consisting of a red flare at one end and dense orange smoke at the other

Rugged, corrosion and water resistant case housing with pull toggle application ignition

For day or night use to pinpoint position



## MANOVBORBOARD / BUOYSMOKE

Combined dense orange smoke lifebuoy and light marker which exceeds SOLAS/MED requirements

Should be attached to a lifebuoy and used to mark position of manoverboard

Buysmoke has same construction as the manoverboard, but does not have lights and is for day use only, unless it is coupled with an additional 15 minute light to make it USCG compliant for a US flagged vessel

Firing pin/percussion cap ignition



## HANDFLARE

Telescopic handle and top pull-wire igniter

Red model is used day or night to pinpoint position and white model is used day or night as a collision warning



## LIFESMOKE

Compact, day-time dense orange smoke distress signal

Provides position marking or indication of wind direction pull-wire ignition with a 2 second safety delay... just pull & drop in the water



## PERSONAL DISTRESS SIGNAL MINIFLARE KIT

Lightweight compact pack containing 9 red aerial flare cartridges and a penjector ignition that launches flare to 150 ft

Penjector firing mechanism is fitted with a stainless steel spring and striker pin in a tough, water resistant case



**PainsWesssex**

PRODUCT	S	V	PRODUCT #
Parachute Red Rocket			30-50672
Parachute Illuminating Rocket			30-50755
Day / Night Signal			30-55970
Red Handflare			30-52900
White Handflare			30-52751
PDS Miniflare Kit			30-55665
Linethrower body			30-50070
Linethrower rocket			30-50080
Manoverboard			30-53780
Buysmoke			30-53835
Lifesmoke			30-53700

## DISTRESS SIGNAL KITS

Pains Wessex Distress Signal Kits are packaged to support the diverse requirements of seagoing vessels



Over 50-mile Distress Kit



Ship's Bridge Distress Kit



RORC/USYRU Distress Kit



Offshore Distress Kit



Lifeboat Distress Kit



## PYROTECHNICS CONTAINERS

Survitec offers a variety of containers for storage of your pyrotechnics



Poly Bottles



Metal Containers



Ammo Tins



KIT	INCLUDES	CONTAINER	S	PRODUCT #
Ship's Bridge Distress Kit	12 Parachute Red Rockets	Large Poly Bottle		30-2002
RORC/USYRU Distress Kit	4 Red Hand Flares 4 White Collision Flares 4 Parachute Red Rockets 2 Lifesmokes	Large Poly Bottle		50-RORC-2395
Lifeboat Distress Kit	6 Red Hand Flares 4 Parachute Red Rockets 2 Lifesmokes	Large Poly Bottle		30-2052
Offshore Distress Kit	4 Red Hand Flares 4 Parachute Red Rockets 2 Lifesmokes	Large Poly Bottle		30-55590
Over 50-Mile Distress Kit	6 Red Hand Flares 3 Parachute Red Rockets 3 Lifesmokes	Large Ammo Tin		50-MDS-1
MF-DISS Marine Distress Flare Kit	6 Red Hand Flares 3 Parachute Red Rockets 3 Lifesmokes	Large Poly Bottle	V	DSKMM03-001DF

CONTAINER	S	PRODUCT #
12 Liter Large Poly Bottle		30-56800
3 Liter Mini Poly Bottle		30-9870050
Multiple Rocket Metal Box		30-PW5020
Para Rocket Can		50004105110
Para Rocket Can unlabeled		50004105100
Large Ammo Tin		10-35-0105-PA19
Medium Ammo Tin		10-35-0010-M2A1
Small Ammo Tin		10-35-0002-M19A

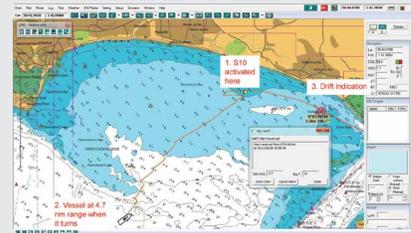
# CHOOSING THE RIGHT ONE: ELECTRONICS

Survitec is pleased to provide the most innovative safety beacons and radios available in the world.

SIGNAL	SIGNAL DESCRIPTION
406 MHZ	All EPIRBs transmit the 406 MHz distress signal. The 406 MHz alert signal can be detected by Search & Rescue (SAR) satellites. American, European and Indian authorities operate a series of satellites in low-earth and geostationary orbits to detect and locate aviators, mariners and land-based users in distress. The satellites, together with a world-wide network of ground stations and Mission Control Centers (MCC) form the International COSPAS-SARSAT Program whose mission is to relay distress signals to the international search and rescue community.
121.5 MHZ	All EPIRBs transmit the 121.5 MHz homing signal which is standard on all RTCM approved beacons along with 406 MHz.
GPS	Many beacons have built-in GPS transmitters as an optional feature, which improve speed and accuracy of rescue. Beacons employing this technology are capable of providing typical positional accuracy of +/- 200ft and updates every 20 minutes.
AIS	Automatic Identification System-enabled beacons, including SART and Personal AIS Beacons, transmit signals that can be picked up on any existing chart plotter that has integrated AIS (most modern navionics electronics do). If a member of the crew goes overboard, when they activate their AIS beacon, the signal shows up on their ship's AIS-enabled chart plotter, and the other crew can quickly locate and rescue the member in danger.  Contrast this with the 406 MHz system, where a rescue signal is 1. relayed to satellites, 2. relayed to a search and rescue deployment center, 3. then sent to whoever is closest, 4. then they begin to look. AIS technology expedites the alert by sending an AIS signal to all vessels within 4 nautical miles (depending on sea conditions), which of course most likely includes the crewmember's own ship. This increases the speed to rescue.



Beacons with 406Mhz, 121Mhz and GPS technologies signal for rescue from far away



Beacons with AIS signal for rescue from nearby

BEACON TYPE	MOUNT	PURPOSE	PRODUCT EXAMPLES
Emergency Position-Indicating Radio Beacon (EPIRB)	Installed to vessel bulkhead	Intended to deploy in the event of ship distress and alert the nearest rescue authorities.  For Ship.	McMurdo SmartFind Automatic EPIRB 
Personal Locator Beacon (PLB)	Fastened to or carried by vessel personnel	Intended to be activated in the event of personnel distress, such as separation from or sinking of ship, and alert the nearest rescue authorities.  For You.	McMurdo Fast Find 220 PLB 
Personal AIS Beacon	Fastened to or carried by vessel personnel	Intended to be activated in a man-overboard situation to alert all vessels in vicinity of need for rescue.  For Crew.	McMurdo SmartFind S20 Personal AIS 
Search And Rescue Transmitter (SART)	Packed in escape craft, such as a liferaft	Intended to be activated after personnel have escaped a sinking vessel and into a rescue craft, to alert the nearest rescue authorities and all vessels in the vicinity.  For Liferafts and Lifeboats.	McMurdo SmartFind S5 AIS SART 

## SMARTFIND+ G5 GPS EPIRBs

COSPAS-SARSAT standard and FCC approved, transmits on 406 and 121.5 MHz

High brightness LED flashing locator light and integrated GNSS receiver (GPS, Galileo, GLONASS) that once activated, will transmit coordinates for a min. of 48 hours

Other features: 60 comprehensive diagnostic and self-tests during battery life, 5 year warranty and 6 year battery storage life

Two configurations are available for mounting EPIRBs: Category I Automatic Deployment Housing, or Category II Manual Deployment Carrysafe Bracket



EPIRB in Manual Bracket



BreaktHRU hydrostatic release unit (HRU) located inside the automatic housing has a plastic bolt that secures the EPIRB to the casing, and upon activation is cut to deploy the beacon



EPIRB in Automatic Housing



PRODUCT	S	M	V	N	PRODUCT #
SmartFind+ G5 Auto Cat I EPIRB					82-800-002A
SmartFind+ G5 Manual Cat II EPIRB					82-800-001A
BreaktHRU HRU					82-962-001A
SmartFind G8 Auto Cat I EPIRB					23-001-052A
SmartFind G8 Manual Cat II EPIRB					23-001-002A
SmartFind G8 AIS Auto Cat I EPIRB					23-001-051A
SmartFind G8 AIS Manual Cat II EPIRB					23-100-001A
SmartFind S5 AIS SART					92-001-001A

## SMARTFIND G8 GPS EPIRBs

Transmits on 406 and 121.5 MHz with AIS and non-AIS models available

72 Channel GNSS receiver (GPS, Galileo, GLONASS)

Two configurations are available for mounting EPIRBs: Category I Automatic Deployment Housing, or Category II Manual Deployment Bracket

Features include Meosar compatibility, SmartLight 360° strobe, SmartBase, SmartSwitch, SmartTransfer safety bracket, SmartCarry carry strap, and SmartChange 10 Year battery

This device has not been approved by the Federal Communications Commission

This device is not, and may not be, offered for sale or leased until the approval of the FCC has been obtained



## SMARTFIND S5 AIS SART

FCC and internationally approved for ship or survival craft

AIS channel 1 - 161.975MHz

AIS channel 2 - 162.025MHz

Message 1 - (TXID, GPS position, SOG, COG, UTC)

Message 14 - (SART-ACTIVE or SART-TEST)

Comes complete in protective carrying case and provides visual indication of operation with built-in test facility

Buoyant and waterproof to 30 feet (9 meters) with a 96 hour operational battery life and 5 year battery storage life



## SMARTFIND M5 AIS TRANSPONDER

AIS Class A Transponder that provides "ship to ship" and "ship to shore" navigation communication

Compact design with 3.5" color LCD display and GPS antenna

MOB SART alarm to aid with man-overboard recovery

Includes mounting kit

Optimized for use with SmartFind S20 and S10 Personal AIS beacons

Additional Features: Embedded coastline map, detailed target list and radar overview, cable junction box, pilot plug, PC AIS viewer software



## SMARTFIND M10 AIS TRANSPONDER

AIS Class B Transponder that will receive and process all targets within typically 20 miles of the vessel

Built-in 50-channel GPS and data logger for accurate positioning

NMEA 2000 duplex interface capabilities to support latest navigation display devices

AIS channel 1 - 161.975MHz,  
AIS channel 2 - 162.025MHz

Additional Features include NMEA 0183, USB, SD card slot, LED indicators for power / error / AIS Rx / Tx / Silent / SD



## SMARTFIND M15 AIS RECEIVER

Compact and economical dual channel receiver with NMEA 0183

AIS channel 1 - 161.975MHz,  
AIS channel 2 - 162.025MHz

USB or 12/24v DC power option

LED indicators for power / error / AIS Rx / Radio Tx (M15S only)

VHF Port Insertion Loss and Splitter (M15S only)



## FAST FIND 220 PLB

Cospas-Sarsat standard and FCC approved 406MHz PLB with 50-channel integral GNSS receiver (GPS, Galileo, GLONASS) and three stage activation for min. 24 hours continuous operation

Buoyant if used with included flotation pouch and waterproof to 30 feet, operating at temperatures down to -20°C

Other features: includes lanyard and universal pouch, SOS LED flash light, unit is subscription-free with no call charges, 6 year battery storage life



## SMARTFIND S10 AND S20 PERSONAL AIS

Provides accurate GPS target tracking position information with serialized ID to plotters and onboard navigation systems on AIS channel 1 - 161.975MHz and AIS channel 2 - 162.025MHz

Message 1 (TXID, GPS position, SOG, COG, UTC),  
Message 14 (MOB-ACTIVE or MOB-TEST)

4 nautical mile transmit range based on sea conditions and min. 24 hour continuous operation with flashing LED indicator and audible buzzer

Available in two functional models: S10 to aid in rescue of persons in distress, S20 for man-overboard retrieval situations

The S10 has a 5 year battery storage life, is buoyant, is compact for unobtrusive carriage, and is fully submersible to 180 feet

The S20 has a 7 year battery storage life, is small and lightweight for mounting on lifejacket with semi-automatic activation possible when installed on lifejacket by an approved service station



S10



S20

## R5 GMDSS VHF HANDHELD RADIO

FCC and MED approved GMDSS 23 channel radio that is waterproof to 1/2 meter for 30 min

Features dimming and backlight control, dual / tri watch, primary lithium battery and indicator with battery-saving function, belt clip and lanyard, antenna whip and storage base

Pack A includes standard Li-ion rechargeable battery, charger base plus GMDSS lithium battery, AC/DC converter adapter, and DC connector cables

Pack B includes lithium battery and case only



McMURDO

PRODUCT	S	M	V	N	PRODUCT #
SmartFind M5					Call
SmartFind M10					Call
SmartFind M15					Call
SmartFind S20					98-001-002A
SmartFind S10					98-051-001A
Fast Find 220 PLB					91-001-220A
R5 GMDSS - Pack A					20-001-01A
R5 GMDSS - Pack B					20-001-02A

## SOLAS CHAPTER II-2, REGULATION 10.10.4

For ships constructed on or after 1 July 2014, a minimum of two two-way portable radiotelephone apparatus for each fire party for fire-fighter's communication shall be carried on board. Those two two-way radiotelephone apparatus shall be of an explosion-proof type or intrinsically safe. Ships constructed before 1 July 2014 shall comply with the requirements of this paragraph not later than the first survey after 1 July 2018.

### SAILOR 3965 UHF FIRE FIGHTER RADIO

Radio provides reliable, feature rich communication that helps to make the fire party safe and effective

Robust and explosion-proof UHF Fire Fighter radio that is intrinsically safe and holds European ATEX 95 directive

ATEX Class I 2 G Ex ib IIC T4

Fulfills IEC 60945 approval standards

Complete package solution for SOLAS Chapter II-2

Can be supplied with a non-rechargeable emergency battery providing the highest possible safety when deploying the fire party instantly

Logical and easy to operate keypad; instant readout of status on the large, crystal clear display; audio feedback of channel selection in headsets; red color for identification purpose; and enhanced grip / knob / keypad with various hardware changes

Cost-effective solution that integrates with SAILOR accessories as well as high quality third party accessories



**COBHAM**

PRODUCT	S	H	M	V	N	PRODUCT #
SAILOR 3965A UHF Fire Fighter Radio						403965A-00500
SAILOR 3965B UHF Basic Fire Fighter Package						403965B-00500
SAILOR 3965C UHF Basic+ Fire Fighter Package						403965C-05000
ATEX, B3906 Secondary Battery, Rechargeable						403906A
ATEX, B3503 Primary Battery, non recharge. Li-ion						403503A
Service cable SAILOR 3965						403500-958
ATEX Leather Carrying Case w/shoulder strap						403500-207
Helmet Unit SAVOX HC-E						403500-004
SAVOX C-C500, ATEX Remote Speaker Micophone						403500-944
Helmet Unit SAVOX HC-1						403500-005
SAVOX C-C440AV, ATEX PTT for SAVOX Headset						403900-942
SAVOX, C-C500/C-C440AV adaptor cable for PELTOR headset, ATEX						403900-953

# CHOOSING THE RIGHT ONE: PERSONAL FLOTATION

Wearable products that provide buoyancy and protection are approved by legislative bodies with authority to regulate use and specifications. The two key organizations in North America with type approvals for this category are the United States Coast Guard (USCG) and Transport Canada (TC)

USCG		United States Coast Guard (USCG) Type Approval is required for lifejackets used aboard U.S. flagged vessels.		
USCG TYPE APPROVAL				
	CLASSIFICATION	MIN. BUOYANCY	USAGE	ADVANTAGES
	Inherently buoyant PFDs	11 Lbs. Child 22 Lbs. Adult	Off-shore, open or rough waters, coastal cruising, general boating	Best for all waters, will turn most unconscious wearer face up, highly visible coloring
Areas Of Use: Ideal for cargo ships and cruise ships.				
	Inherently buoyant and inflatable type II PFDs	15.5 Lbs.	Inland waters or calm waters where fast rescue is likely	Comfortable, turns some unconscious wearers face up in the water
Areas Of Use: General boating.				
	Inherently buoyant and inflatable type III PFDs	15.5 Lbs.	Inland waters or calm waters where fast rescue is likely	Generally the most comfort for continuous wear, many styles available
Areas Of Use: Construction, general industrial laborers, commercial workers				
	Throwable device	18 Lbs.	For calm inland water with heavy boat traffic, where help is always nearby	Does not have to be worn, good back-up to PFDs
Areas Of Use: All boats and vessels, recreational and commercial				
	Inherently buoyant and inflatable type V PFDs	15.5 - 22 Lbs.	Special use - see PFD label, includes deck suits and workvests	Designed for specific activities
Areas Of Use: Construction, general industrial laborers, commercial workers, public safety				

	TC Approval: Transport Canada promotes efficient marine transportation and safe, secure and sustainable marine practices; oversees marine infrastructure; regulates the safe transportation of dangerous goods by water; and helps protect the marine environment.		SOLAS Compliance: The "International Convention for Safety of Life at Sea" has existed since 1914. The International Maritime Organization (IMO) has maintained and developed the SOLAS standards since 1948.
	CE Approval: The mark is placed on products that meet safety standards that apply to all the countries of the EU.		MED Approval: Council Directive 98/85/EC on Marine Equipment applies to all ships whose safety certification is issued by or on behalf of Member States of the EU.

BRAND	DESCRIPTION AND KEY INDUSTRIES SERVED
	<b>Immersion Suits, Lifejackets, PFDs.</b> The Crewsaver brand reflects a dedication to saving lives through the advanced design and manufacture of critical marine safety equipment. Rescue organizations around the world put their trust in Crewsaver equipment when saving lives at sea.
	<b>Accessories.</b> The Daniamant brand was founded in 1975 in Denmark, with its first IMO approved lifejacket light used at sea in 1985. The range distributed by Survitec is comprised of high performance lifejacket, PFD, immersion suit and lifebuoy lights which are compatible with our personal flotation products.
	<b>Accessories.</b> The Electric Fuel brand was founded in 1990 with a specialization in high-end primary and rechargeable batteries and chargers. This focus provided the perfect foundation to develop lifejacket lights, which Survitec distributes as part of its complete offering to augment our personal flotation products.
	<b>Immersion Suits, Lifejackets, PFDs.</b> The Imperial brand Immersion Suit is renowned as the highest quality, best value model on the commercial marine market, with a heritage spanning back to its creation in 1969. As the manufacturer and supplier of Imperial immersion suits, Survitec rebranded the legacy Safeguard line several years ago to Imperial. Over time, we have steadily gathered customer insight for important improvements to the Imperial brand personal flotation supporting commercial marine, public safety and commercial industries.
	<b>Lifejackets.</b> Preferred brand for commercial airlines.
	<b>Survival Suits.</b> The Survitec product brand is assigned to certain personal flotation products that are custom-manufactured to purpose or for a specific customer, and normally have a very specific functional or market purpose.
	<b>Helmets.</b> Yak product brand has an established market of high intensity water sports that means products translate well to the professional applications such as swift water rescue.

## HELICOPTER PASSENGER TRANSPORTATION SUIT SYSTEM (HPTSS)

Engineered for wear by oil rig workers when they are transported by helicopter from land to their offshore platforms

Highly technical but easy to use for personnel wearing them

32 different body size configurations for a tailored fit

Over 2,400 currently in use in the frigid North Atlantic



- Neoprene Hood and Neck Seal
- Life Preserver Unit (LPU)
- HUEBA Mouthpiece
- Shoulder Air Release Valve
- Buddy Line Stowage Pocket
- Retro Reflective Tape
- Noseclip and Pealess Whistle
- LPU Operating Handle
- Neoprene Mitt
- HUEBA Stowage Pocket
- PLB Pocket
- "U" Shaped Sliding Fastener
- Thigh Stowage Pocket
- Leg Air Release Valve
- Neoprene Boot

## 1000 SERIES SURVIVAL SUITS

Each model of the 1000 series survival suit range is manufactured utilizing the most technologically advanced fabric and components available including the waterproof, breathable and inherently flame-retardant Gore-Tex® outer shell

Thermal lining uses Outlast® Phase Change Materials (PCM) technology to improve thermal comfort, reduce thermal stress, and provide anti-static properties as well as better protection

### Training Suit

Variant of the passenger suit for use by a trainer

Incorporates a number of practical features tailored for trainers working in a training environment such as reinforcement to key areas, lifting beackets to support repeated training drills, and easy to adjust suit components, enabling the training provider to change onsite when necessary

### Coast Guard Passenger Suit

Designed specifically for passenger transportation of emergency services personnel

Improved comfort and critical safety features for periods of extended use including hyper stretch neoprene seals, storm collar/neck/cuff/ankle and epaulet covers, metal and neoprene zip designed to meet the extremely cold temperatures, sofishield knee, seat and elbow reinforcements, and internal braces for ease of donning

### Front Aircrew Suit

Enhanced insulation regulates the microclimate inside the suit to improve thermal comfort and reduce thermal stress

Hygiene is improved by the use of antimicrobial nano-technology in the thermal liner

The water tight seals at the neck and wrists are stronger, more flexible and less prone to damage making them safer and more effective, and a waterproof zipper is used to effectively seal the suit ensuring maximum comfort for the wearer

### Rear SAR Winchman

Modern variant of the 1000 Series Passenger suit that works to protect the SAR Winchman in the most unpredictable environments

### Wind Energy

Designed specifically for the renewable energy industry to provide the ultimate protection for personnel travelling over water and to exceed the requirements of the latest European aviation and mariner standards

Incorporates a number of practical attributes enabling the wearer to complete operational tasks

Offshore workers benefit from enhanced protection from the durable watertight seals at the neck and wrists, and from the re-enforced Kevlar over the knee, seat and elbow areas



PRODUCT	V	N	H	PRODUCT #
HPTSS				Call
1000 Passenger Suit				Call
1000 Training Suit				Call
1000 Coast Guard Passenger Suit				Call
1000 Front Aircrew Suit				Call
1000 Rear SAR Winchman Suit				Call
1000 Tri-Approved Wind Energy Suit				Call

## IMMERSION SUIT

The Imperial Immersion Suit is the first immersion suit to ever be seen on the maritime market

Meticulously crafted, pressure-tested upon completion and considered the gold standard with superior quality, performance and features beginning with a 1-piece 5mm neoprene construction

Features: true to size, dual-zipper pull tabs, wide shoulders and legs, three-fingered mitt, palm grip studs, whistle, snug-fitting face seal, SOLAS reflective tape, inflatable high-rider ring, lifting harness and buddy line (USCG / TC / SOLAS suit only)

Custom size suits and company name stenciling are available on request for an additional surcharge

Due to the generous sizing, donning an Imperial Immersion Suit only takes five steps and an average of only 30 seconds for most wearers.



Finding the right size of Imperial Immersion Suit is easy because they come complete in a color-coded bag that has two handles for the fastest possible deployment



OPTIONAL ITEMS	S	PART #
Personal Survival Pocket		80-1420
PLB Pocket		80-1421
Maintenance Kit		80-1501-101
Bees Wax Bar		80-I-1000

APPROVALS	SIZE	S	PRODUCT #	REPLACEMENT HIGH RIDER RING PART #	REPLACEMENT BAG PART #
	Child		80-1409-C	80-1410-C	80-I-0202
	Intermediate		80-1409-O	80-1410-O	80-I-0200
	Adult		80-1409-A	80-1410-A	80-I-0201
	Jumbo		80-1409-J	80-1410-J	80-I-0204
  	Intermediate		80-1409-O-3	80-1410-O-3	80-I-0200-A-3
	Adult		80-1409-A-3	80-1410-A-3	80-I-0201-A-3
	Jumbo		80-1409-J-3	80-1410-J-3	80-I-0204-A-3

## IMMERSION SUIT

Crewsaver immersion suits are used by many of the world's shipping lines and offshore oil & gas companies as an economical solution that meets stringent MED / SOLAS regulations for vessels which operate and are required to have one for each crew member

Made from 5mm fire-retardant neoprene that provides good insulation and resistance to oil, sunlight and seawater

Features include SOLAS-grade reflective tape, a waterproof zipper, glued and blind-stitched seams for waterproofing, additional reinforcement in critical areas such as the foot sole, and a neoprene seal combined with a mouth and face mask

All suits are supplied with a storage / carry bag and donning instructions

May be donned in under 2 minutes



Endurance Plus

Endurance

Endurance 140N

### APPROVALS:



Crewsaver™

PRODUCT	SIZE	CONFIGURATION	S	PRODUCT #
Endurance Plus Immersion Suit	Medium	standard		8800MK2-SHM
	Universal	standard		8800MK2-SHU
	Extra Large	standard		8800MK2-SHXL
Endurance Immersion Suit	Medium	standard (no pillow or light)		8810-M
	Large	standard (no pillow or light)		8810-L
	Extra Large	standard (no pillow or light)		8810-XL
Endurance 140N Immersion Suit	Medium	with PE foam buoyancy pillow only		8809-M
		with PE foam buoyancy pillow and light		8808-M
	Large	with PE foam buoyancy pillow only		8809-L
		with PE foam buoyancy pillow and light		8808-L
	Extra Large	with PE foam buoyancy pillow only		8809-XL
		with PE foam buoyancy pillow and light		8808-XL

## ICE RESCUER 1500 (IR1500) PUBLIC SAFETY ICE RESCUE SUIT

As today's most innovative marine public safety brand, Imperial proudly presents the Ice Rescuer 1500, which is based on your input and the need for a robust, user-repairable, easy-to-don, and affordable ice rescue suit

Made of easy to repair, breathable shell fabric with cordura reinforced wear areas providing drysuit mobility, repairability, look and feel

Has a replaceable inner foam liner, internal suspenders, and wrist, thigh and ankle adjustments for more comfort

SOLAS-grade reflective tape on arms, head and torso for high visibility

Additional features include 3-ply chemical resistant insulated gloves attached booties, purge valve, AWL pockets, pull harness, and heavy-duty waterproof zipper

The IR1500 comes with a storage bag and repair kit



PRODUCT	SUIT SIZE	USER HEIGHT	USER WEIGHT	S	PRODUCT #
IR1500	Adult Universal	59-78"	110-330 lbs		80-1500-UNIV
Replacement Liner					80-1500-LINER
Replacement Harness					80-1500-HARNESS
Replacement Bag					80-1500-BAG
Tear Repair Kit					80-1500-RKIT



## RESCUE ROPE BAG

Heavy duty nylon bag with top cinch opening and 1" snap clip

Tough, high visibility yellow/red floating MFP rope available in three lengths: 100, 70 or 50 ft



## PERRY LINE

An encapsulated line made from polypropylene rope with a breaking strain of 250kg, enclosed within a holder which fits in the inner diameter of the life ring buoy



## PREMIER COMPACT CRUISE SHIP PFDS

Provides minimum 143N buoyancy

42% smaller alternative to the original Premier 2010

Improved comfort and fit around the neck with re-engineered neck aperture in softer foam

Easy stack-and-stow with no folding or manipulation required

Features buddy line and whistle stored in recessed pocket, and easy pull-out pillow for intuitive donning



## LIFE BUOY Y-BRACKET

Constructed of galvanized steel which can be painted to match the vessel

Fits all standard 30" Solas lifebuoys and can be welded, bolted or screwed to the bulkhead anywhere for quick access

Can be fitted with a lifebuoy light bracket



## LIFE BUOY RELEASE SYSTEM

Complete, easy-to-fit package for the rapid launch of life buoys remotely from any point on a vessel

Manual and electric release models are mountable to port or starboard side



## PREMIER 2010 DELUXE OFFSHORE PFDS

Foldable and stackable for easy storage, with an average self-righting speed of 1.7 seconds and all models are fitted with a whistle and buddy line (optional light also available)



APPROVALS:



BRAND	PRODUCT	S	PRODUCT #
	50 ft Rescue Rope Bag		Call
	75 ft Rescue Rope Bag		Call
	100 ft Rescue Rope Bag		Call
	30m Perry Line		69-FLPL30M
	24m Perry Line		69-FLPL24M
	Life Buoy Y-Bracket	F	735985
	Life Buoy Release System	V	Call

PRODUCT	SIZE	S	PRODUCT #
Premier Compact	Adult		61-10670
	Crew		61-10671
Premier 2010	Adult		61-10572
	Child		61-10573
	Infant		61-10574
	Crew		61-10575
Premier 2010 Belt Extender			61-10600

## BASIC FERRY BOAT PFD

Stackable for easy storage with 110 sq" of SOLAS-grade reflective tape

Attachment loop on vest for optional light or whistle



## BASIC OFFSHORE PFD

The most comfortable USCG-Approved Type I on the market

126 sq" of SOLAS-grade reflective tape



## ECONOMY WORK VEST

Perfect for commercial and industrial applications with snag-hazard environments

Large armholes, open sides, side adjustment tabs, SOLAS-grade reflective tape, heavy duty zipper



## DELUXE VERSATILE WORK VEST

Useful for a variety of maritime applications

Features include SOLAS-grade reflective tape, two 1" body belts and one chest strap with heavy-duty type V buckles, and a protective collar design



## DELUXE OFFSHORE PFD

Fitted with a whistle and buddy line

Foldable and stackable for easy storage

110 sq" of SOLAS-grade reflective tape



## EMERGENCY RESPONSE VEST

Well-constructed work vest for emergency first responders, search & rescue professionals and public safety officials

Features 100MPH impact test rated belts, 31 sq inches of reflective tape on front and back, rip-stop nylon fabric, high visibility day glow on pockets and collar, two gusseted pockets, flotation-filled comfort collar, light attachment point on both shoulders, lash tabs, adjustable leg straps



## GENERAL PURPOSE INDUSTRIAL WORK VEST

Great for natural disaster relief or similar environmental incidents where mass response is required quickly

Large armholes and open sides for maximum comfort, two encircling body belts and one chest strap, SOLAS-grade reflective tape, heavy duty zipper



## MESH WORK VESTS

Well suited for commercial and bridge working operations

Lightweight and durable mesh shoulders with contoured foam panels, two front gusseted pockets, d-ring for gear attachment, reflective striping, heavy duty zipper



## VINYL-DIPPED WORK VEST

Smooth, durable vinyl coating over self-extinguishing contoured flotation foam panels with SOLAS-grade reflective tape

Adjustable chest and shoulder straps

280RT features tough-wearing plastic buckles and 285RT features heavy-duty metal buckles

Opening on back accommodates most fall protection harnesses



## RIGGER I AND II WORK VESTS

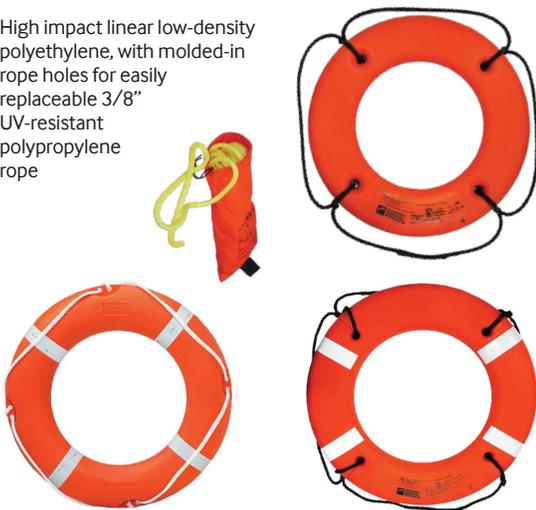
Lightweight construction for wearer comfort and two encircling belts with snag resistant buckles

Rigger I features soft cotton twill and Rigger II features durable 200 Denier polyester covering



## HARD SHELL LIFE RING BUOYS

High impact linear low-density polyethylene, with molded-in rope holes for easily replaceable 3/8" UV-resistant polypropylene rope



APPROVALS	PRODUCT	SIZE	S	PRODUCT #
TYPE I	Basic Ferry Boat PFD	Adult	S	61-160RT-001
		Child		61-161RT-001
TYPE I	22x12x13" Hassock w/Four	160RTs	S	69-1024
TYPE I	Basic Offshore PFD	Adult	S	61-198RT-001
		Child		61-199RT-001
TYPE I	198RT Replacement Snap		S	60-SNAP-DRING
TYPE I	Deluxe Offshore PFD	Adult	S	61-230RT-001
TYPE I	230RT Belt Extender		S	60-23078398
TYPE III	2200 Captain's Mesh Vest	S/M	S	63-2200-001-SM
		L/XL		63-2200-001-LX
		2XL/3XL		63-2200-001-23
TYPE III	2210 Commander's Mesh Vest	S/M	S	63-2210-001-SM
		L/XL		63-2210-001-LX
		2XL/3XL		63-2210-001-23
TYPE III	2230 Admiral's Mesh Vest	S/M	S	63-2230-001-SM
		L/XL		63-2230-001-LX
		2XL/3XL		63-2230-001-23
TYPE III	General Purpose Industrial Work Vest	Adult	S	63-775RT-001-AU
		Magnum		63-778RT-001-AM
TYPE III	Economy Work Vest	S/M	S	63-321RT-001-SM
		L/XL		63-320RT-001-LX
TYPE III	Economy Work Vest w/pockets	S/M	S	63-321RT4-01-03
		L/XL		63-320RT4-01-07
TYPE III	370ERV Emergency Response Vest	S/M	S	63-370ERV-01-SM
		L/XL		63-370ERV-01-LX
		2XL/3XL		63-370ERV-01-23
TYPE V	Vinyl Dipped Work Vest	Adult	S	65-280RT-001
		Adult		65-285RT-001
TYPE V	Vinyl Dipped Work Vest NAFTA Compliant	Adult	S	65-280RT-USA
		Adult		65-285RT-USA
TYPE V	Rigger I Work Vest	Adult	S	65-290RT-001
		Adult		65-290EFRT-001
TYPE III/V	Deluxe Versatile Work Vest	Adult	S	65-300RT-001
		Magnum		65-305RT-001
TYPE III/V	Deluxe Versatile Work Vest With 4 Gusseted Pockets	Adult	S	65-310RT-001
		Magnum		65-315RT-001
TYPE IV	Domestic Life Ring Buoy	30"	S	10-R0300D-SSPI
		30"		10-R0340D-SSPI
TYPE IV	Bridge Life Ring Buoy	30"	S	10-R0325D-SSPI
		30"		10-R024RD-SSPI
TYPE IV	USCG-only Life Ring Buoy	24"	S	69-RBLB
TYPE IV	100ft Line Bag		S	69-RBLB
TYPE IV	Perry Buoy - 4 kg	30"	F	Call
		30"		Call

Additional inherently buoyant and throwable PFDs are available from Survitec. Visit our website to view the complete offering.

IMPERIAL SIZE	CHEST SIZE
XS/S	28-32"
S	32-36"
S/M	32-40"
M	36-40"
M/L	32-42"
L/XL	40-50"
XL	45-50"
XL-2XL	42-58"
2XL	50-55"
2XL/3XL	50-60"
3XL	55-60"

IMPERIAL SIZE	USER WEIGHT
Infant	0-50 lbs
Child	30-50 lbs
Youth	50-90 lbs
Commercial Child	Under 90 lbs
Commercial Adult	Over 90 lbs
Workvest	32-54"
Adult Universal	30-52"
Adult Jumbo	38-60"
Adult Magnum	48-65"



### ERGOFIT 50N PFD

Provides a minimum of 11 lbs (50N) of buoyancy  
Available with and without Forcefield armour protection  
Not USCG Approved  
Sizes Available: S, M, L, XL

Features low profile sculpted design, dual adjustment for optimal fit, large slimline front pocket, concealed back pocket for hydration pack, stretch-to-fit breathable side and shoulder panels, ergonomic curved zip

### FOUR B 70N PFD

Designed for increased impact protection and buoyancy during surface watersports, with 360 degree foam protection  
Lightweight but robust fabric with super-fast mesh drainage, a d-ring attachment point, reflective detailing, multiple adjustment points and crotch straps on junior versions  
Not USCG Approved



### PRO 50N SZ PFD

Provides a minimum of 11 lbs (50N) of buoyancy  
Side zip  
Available in 2 colors  
Not USCG Approved  
Sizes Available: J, S/M, M/L, XL



### PRO 50N CZ PFD

Provides a minimum of 11 lbs (50N) of buoyancy  
Center zip  
Available in 2 colors  
Not USCG Approved  
Sizes Available: J, S/M, M/L, XL



### SPORT 50N PFD

Provides a minimum of 11 lbs (50N) of buoyancy  
Center zip  
Available in 2 colors  
Not USCG Approved  
Sizes Available: J, S/M, M/L, XL



### RESPONSE 50N PFD

Provides a minimum of 11 lbs (50N) of buoyancy  
Center zip  
Available in 2 colors  
Not USCG Approved  
Sizes Available: J, S/M, M/L, XL



PRODUCT	PRODUCT #
ErgoFit 50N	9070
ErgoFit 50N with armour protection	9071
Pro 50N Side Zip - Black/Blue	2620
Pro 50N Side Zip - Black/Grey	2621
Pro 50N Center Zip - Black/Red	2630
Pro 50N Center Zip - White	2631
Sport 50N Center Zip - Red	2610
Sport 50N Center Zip - Blue	2611
Response 50N Center Zip - Red	2600
Response 50N Center Zip - Black	2601
Four B 70N	2975
Front Cord Attachment	Call
Front Zip	Call



## PET FLOAT

Easily adjustable and suitable for most breeds of dogs and cats with a snug fit, integrated handle and pocket for waste disposal bags

To select the correct size for your pet, measure them from collar to base of tail and compare to the list below



PRODUCT	PET MEASURE	PET WEIGHT	✓	PRODUCT #
Pet Float - XS	9"-12" (24-30cm)	8-16 lbs		2370-XS
Pet Float - S	12"-14" (28-35cm)	15-25 lbs		2370-S
Pet Float - M	14"-18" (35-45cm)	20-50 lbs		2370-M
Pet Float - L	18"-22" (45-55cm)	40-70 lbs		2370-L
Pet Float - XL	22"-26" (55-65cm)	70-90 lbs		2370-XL

## MAST FLOATS, TRAINING MARKS, BUOYANCY BAGS AND RACING BUOYS



Training Marks



Mast Head Floats



Buoyancy Bags



Dumpy Buoy



Pyramid Buoy



Cylindrical Marker Buoy



PRODUCT	DIMENSIONS	S	PRODUCT #
1.9m Twin-skin Inflatable Training Marker Buoy	6'2"H x 1' Diameter		10079
1.3m Twin-skin Inflatable Insert for Reinforced Training Marker Buoy	6'2"H x 1' Diameter		10075
1.3m Single-skin Reinforced Training Marker Buoy	4'2" x 1' Diameter		10074
Mast Head Float 40L	-		10086
Mast Head Float 9L	-		10085
0.76m Dumpy Buoy	2'6"H x 2'6" Diameter		3811-2'6"
1.22m Dumpy Buoy	6'H x 3'10" Diameter		3811-6'
1.52m Pyramid Buoy	Each edge is 6' long		10076
1.22m Cylindrical Buoy	4'H x 2' Diameter		3810-4'
1.22m Cylindrical Buoy	5'H x 2'6" Diameter		3810-5'
1.83m Cylindrical Buoy	6'H x 2'6" Diameter		3810-6'
45L Bow Bag - Small	29x25x9"		10119
136L Bow Bag - Std	36x30x12"		10118
193L Bow Bag - XL	42x44x14"		10120
18L Pillow Shaped Bag	24x7"		10123
27L Pillow Shaped Bag	30x9"		10124
45L Pillow Shaped Bag	35x11"		10132
68L Pillow Shaped Bag	36x12"		10125
35L Pillow Shaped Bag	39x9"		10126
27L Pillow Shaped Bag	42x7"		10127
45L Pillow Shaped Bag	48x8"		10128
90L Pillow Shaped Bag	48x14"		10129
68L Pillow Shaped Bag	50x10"		10130
68L Pillow Shaped Bag	58x9"		10131
125L Flying 15	-		10133
30L Optimist - Old Boats	-		10134
45L Optimist - New Boats	-		10132

## SEACREWSADER 3D

ISO 12402-2 (275N)  
approved with min. 290N of  
buoyancy when inflated

Features a fast turn inflation chamber and  
Fusion 3D  
design shaping with attractive  
styling despite industrial usage

Three cover options: Regular (REG), Heavy  
Duty (HD)  
and Fire-Retardant (FR)



APPROVALS:



SEACREWSAVER 3D	S	REG COVER PRODUCT #	HD COVER PRODUCT #	FR COVER PRODUCT #	RE-ARMING KIT PART #
290N w/spray hood		61-1146-AUTO	61-1146-HDAUTO	61-1146-FRAUTO	61-11037
290N w/spray hood & harness		61-1146-AUTOH	61-1146-HDAUTOH	61-1146-FRAUTOH	



## ERGOFIT ISO INFLATABLE LIFEJACKETS

ErgoFit ISO-Approved lifejackets come in a complete range to best suit your needs including 4 distinct models with two inflation mechanism options each: standard auto and Hammar auto

All models feature a Fusion 3D design providing a custom fit and unrestricted range of movement and an inflation chamber that ensures fast turn speed when entering the water and keeps the airway clear of water

Includes premium accessories as standard including spray hood, crotch straps and light



ErgoFit 190N Pro



ErgoFit 190N OS (Offshore)



ErgoFit 290N OC (Ocean)



ErgoFit 290N EX (Extreme)

## CREWFIT USCG INFLATABLE LIFEJACKETS

The Crewfit 35 Sport features a center buckle with stainless steel side adjuster, robust outer cover, quick burst zip and is available in three colors including Navy, Red and Blue

The Crewfit 40 Pro features an inflation mechanism viewing window, Soft loop D-rings for attaching the safety harness, robust outer cover, quick burst zip and twin, forward pull stainless steel waist adjusters



Crewfit 40 Pro



Crewfit 35 Sport

## ERGOFIT USCG INFLATABLE LIFEJACKET

Features a Fusion 3D design that provides a custom fit and unrestricted range of movement, three-layer cover construction for extreme durability, an inflation chamber that ensures fast turn speed when entering the water and keeps the airway clear of water, a soft d-ring for harness, a quick burst zip, dual buckles to enable easy donning, and inflation mechanism viewing window, and twin, forward pull stainless steel



### APPROVALS NOTED IN CHART BELOW:



PRODUCT DESCRIPTION	BUOYANCY INFLATED	CE BS EN ISO 12402-3	CE BS EN ISO 12402-2	TYPE V	TYPE III	TYPE II	S	PRODUCT #	REARM KIT #
ErgoFit ISO Pro Hammar	42 lbs (190N)	◆						9115BKHP	11306
ErgoFit ISO Pro Auto	42 lbs (190N)	◆						9115BKAP	10007
ErgoFit Offshore Hammar	42 lbs (190N)	◆						9125BKHP	11306
ErgoFit Offshore Auto	42 lbs (190N)	◆						9125BKAP	10007
ErgoFit Ocean Hammar	65 lbs (290N)		◆					9135BKHP	11307
ErgoFit Ocean Auto	65 lbs (290N)		◆					9135BKAP	11037
ErgoFit Extreme Hammar	65 lbs (290N)		◆					9145BKHP	11307
ErgoFit Extreme Auto	65 lbs (290N)		◆					9145BKAP	11037
ErgoFit 40 Pro Auto w/Harness	40 lbs (180N)			◆			◆	9506BKA	11001
Crewfit 40 Pro Auto	40 lbs (180N)						◆	9503BKA	11001
Crewfit 40 Pro Auto w/Harness	40 lbs (180N)			◆			◆	9504BKAH	11001
Crewfit 40 Pro Manual	40 lbs (180N)					◆		9503BKM	11001
Crewfit 40 Pro Manual w/Harness	40 lbs (180N)					◆		9504BKMH	11001
Crewfit 35 Sport Auto - Navy	35 lbs (165N)			◆				9501NBA	11003
Crewfit 35 Sport Auto - Red	35 lbs (165N)			◆				9501RA	11003
Crewfit 35 Sport Auto - Blue	35 lbs (165N)			◆				9501BA	11003
Crewfit 35 Sport Manual - Navy	35 lbs (165N)			◆				9500NBM	11003
Crewfit 35 Sport Manual - Red	35 lbs (165N)			◆				9500RM	11003
Crewfit 35 Sport Manual - Blue	35 lbs (165N)			◆				9500BM	11003

## COMMERCIAL AIRLINE INFLATABLE LIFEJACKETS

Provide passengers and crew with emergency flotation during an aircraft evacuation

Available with CAA, EASA and FAA approval, this single chamber solution is designed to force the wearer, even if in an unconscious state, into a face-up position in the water.

Available in yellow color for passengers and orange color for crew, our lifejackets are the lightest on the market, enabling unrivalled weight savings

Features include 20 year product life, 10 year service interval (sealed versions), automatic inflation systems, oral inflation tube, water activated sea light, whistle, waist belt

Options include airline personalization, fitted sprayhoods and visors, semi-rigid container, tamper-proof valise, constant-wear waist pouch



102 MK2BA  
EASA/CAA

102 MK3  
EASA/CAA

102 MK3  
CAA/FAA

102 MK3  
EASA

102 MK4  
EASA/CAA

102 MK4  
CAA/FAA

### APPROVALS NOTED IN CHART BELOW:



MODEL	APPROVALS	SERVICE INTERVAL	FASTENINGS	VALISE STYLE	PACKED DIMENSIONS	PACKED WEIGHT	COLOR	PRODUCT#
102 MK2BA	EASA / CAA	5 Year	Web Tie	Press Stud	9x3x3" (23x7.5x7.5cm)	1.05 lbs (475g)	Yellow	00002136
							Orange	00002137
102 MK3	EASA / CAA	10 Year	Web Tie	Sealed	9x3x4" (23x7.5x10cm)	1.08 lbs 490g	Yellow	00002256
							Orange	00002264
	CAA / FAA	10 Year	Buckle	Sealed	9.3x3x4" (23.5x7.5x10cm)	1.01 lbs (455g)	Yellow	00002291
							Orange	00002292
EASA	10 Year	Buckle	Sealed	7.3x7x1.8" (18.5x7.5x4.5cm)	1.04 lbs (470g)	Yellow	00002333	
						Orange	00002504	
102 MK4	EASA / CAA	5 Year	Web Tie	Press Stud	9.3x3x4" (23.5x7.5x10cm)	1.05 lbs (475g)	Yellow	00002214
							Orange	00002215
	CAA / FAA	5 Year	Buckle	Press Stud	9x3x4" (23x7.5x10cm)	1.05 lbs (475g)	Yellow	44563001
							Orange	N/A

Weights and dimensions listed above are approximate and may be subject to slight variation

## INFLATABLE LIFEJACKET REARMING KITS



Hammar Auto  
(11011)



Hammar Auto  
(11306)



Hammar Auto  
(11307)



Std Auto  
(11037)



Std Auto  
(10475)



Std Auto  
(10007)



USCG 38g  
Rearm Kit  
HR Bayonet  
and Bobbin  
(11001)



USCG 33g  
Rearm Kit HR  
Bayonet  
and Bobbin  
(11003)

### CO<sub>2</sub> CYLINDERS



### MK5I AUTOMATIC INFLATION CAPSULES



### HAMMAR



Capsule MA1 Head And Handle

To ensure that your inflatable lifejacket operates as it was designed, identify the correct kit number to order below, based on your inflatable lifejacket model and inflation mechanism order. In addition to kits, replacement capsules and CO2 cylinders are also available.



COMPATIBLE PRODUCT	CYLINDER SIZE / MIN BUOYANCY	INFLATION MECHANISM / NOTES	S RE-ARMING KIT PART #	
Crewfit 2010	60g / 275N	Hammar Auto	61-11011	
		Standard Auto	For serial # beginning with "L"	61-11037
			For serial # beginning with "0-9" or "R"	61-10475
Seacrewsader 2010	60g / 275N	Standard Auto	For serial # beginning with "L"	61-11037
			For serial # beginning with "0-9" or "R"	61-10475
Seacrewsader 290N 3D	60g / 290N	Hammar Auto	61-11307	
		Standard Auto	61-11037	
Crewfit CWV	33g / 35 lbs	Standard Auto	61-11002	
Crewfit Sport	33g / 35 lbs	Standard Auto	61-11001	
Crewfit Pro	38g / 40 lbs	Standard Auto	61-11003	
ErgoFit Pro	38g / 40 lbs	Standard Auto	61-11003	
ErgoFit Pro	38g / 190N	Hammar Auto	61-11306	
		Standard Auto	61-10007	
ErgoFit Offshore	38g / 190N	Hammar Auto	61-11306	
		Standard Auto	61-10007	
ErgoFit Ocean	60g / 290N	Hammar Auto	61-11307	
		Standard Auto	61-11037	
ErgoFit Extreme	60g / 290N	Hammar Auto	61-11307	
		Standard Auto	61-11037	

PRODUCT	S PART #
60g replacement CO2 cylinder	61-10470
38g replacement CO2 cylinder	61-10034
Mk5i Blue Auto Capsule for LJ Serial '0-9' or 'R'	61-10061
Mk5i Black Auto Capsule for LJ Serial 'L'	61-10062
Hammar Manual Capsule converts Hammar to manual	61-11012
Hammar Auto Capsule for ErgoFit Hammar lifejackets	61-11014
Hammar MA1 Auto Capsule Head and Handle only	61-11308

## UNIVERSAL LIGHT

Surface-mounted flashing LED light, for use when non-recessed light options are suitable

Activates on contact with water or manually

Available with sensor on cord or integrated

Minimum 8 hrs operational duration



## M3 & W3 PFD LIGHTS

Manual (M) and Automatic (W) lights each provide minimum 0.75cd output

Integrated battery with 5 year storage life

Flexible fitting with two different backing plates for thin strap or 5cm belt mounting



## SLX SOLAS LIFEJACKET LIGHT

White flashing LED light provides with a minimum of 0.75cd output

Operational life exceeds 8 hrs

Automatic activation in both salt and fresh water

Compact, lightweight and easy to secure with built-in attachment clip



## LIFEJACKET UPGRADES

The crotch straps, sprayhood and whistle are compatible with all USCG-approved Crewsaver lifejackets

The ErgoFit safety knife is specifically designed to cut lifejacket straps



Spray Hood



EN394 Approved Whistle



ErgoFit Safety Knife



Crotch Straps

## L162 & L163 LIFEBOUY LIGHTS

Both models pass 76 meter drop height test and are also approved to ATEX, IECEx and ETL

Minimum 2cd light output for a 15 hour minimum operational duration

The intrinsically safe model (category 1) makes the L163 suitable in hazardous zones 0, 1 and 2



L162



L163



PRODUCT	S	PRODUCT #
Crotch Straps		10032
Spray hood		10057
ErgoFit Safety Knife		1310-SK
EN394 Approved Whistle		10677

### BRANDS AND APPROVALS NOTED IN CHART BELOW:

BRAND	PRODUCT	APPROVALS	S	PRODUCT #
	Universal Light w/surface mount bracket	USCG, SOLAS, MED		10-10282
	Universal Light w/surface mount bracket and integrated sensor	USCG, SOLAS, MED		10-10278
	Surface Lifejacket (CSL) Light	SOLAS, MED		10-10220
	M3 Lifejacket Light - Manual	USCG, TC, SOLAS, EC		10-1130-M3
	W3 Lifejacket Light - Automatic	USCG, TC, SOLAS, EC		10-1330-W3
	L162 Lifebuoy Light	USCG, SOLAS, MED, EC		10-62-003A-L162
	L163 Lifebuoy Light	USCG, SOLAS, MED, EC		10-62-003A-L163
	SLX SOLAS PFD Light	USCG, SOLAS, MED, EC		10-SLX



## ATACAMA PRO AND SPORT DRYSUITS

Our drysuits are designed using 3 layer breathable technology and enhanced waterproof properties to keep you warm and dry while on the water

Both models feature YKK Aquaseal flexible zip construction, Glideskin wrist and neck seals, adjustable wrist and ankle cuffs, articulated arms/legs, a leg pocket with a D-ring attachment, and include a Stratum underfleece

The Pro model also includes Cordura reinforced double layered seat/knees, lower back stretch mesh panel for increased flexibility, removable braces, an internal pocket and reflective detail on the back of the arms



## GLOVES

Tri-season, Three-finger and Short Finger glove models available for use in watersports

All models feature Amara on knuckle panel, fingers and palm for protection and durability, as well as a neoprene wrist for comfort

The Tri-season glove also includes an Amara pull tab on the wear point, and palm reinforcement for rope burn protection

The Three-finger and Short finger gloves also include super flexible spandex for increased movement



## RACE TOPS AND SPRAY TOPS

Lightweight and compact with waterproof/breaktable fabric to 10 K/5 K (race top) and 20 K/6 K (spray top)

The Race top is fleece lined with a thermal collar that has an elastic adjustment, and the Sport top includes a PU Adjustable neck seal as well as a front accessible pocket with plastic zip/water drainage

Both models feature fully taped seams, articulated arms, reflective sleeve print, adjustable neoprene waistband and PU cuffs



## ZIP BOOT

Features 5 mm neoprene construction, side zip with neoprene gusset, molded high grip sole, and reinforced toe/hiking/heel area protection



## SLATE SOCK

Provides additional insulation layer with boots or shoes, and features glued and blind-stitched neoprene construction, 3D shaping for maximum comfort, anti-slip printed sole for grip



## 3/4 BOOT

Features 5 mm neoprene construction, front entry with Velcro fastening, molded high grip sole, reinforced front hiking support, and heel/arch/toe support



## GRANITE SHOE

Features 3mm Neoprene construction, molded high grip sole, and velcro front entry for easy donning



## APLITE SHOE

Features 2.5 mm neoprene construction, drawstring ankle adjustment, and molded high grip sole



PRODUCT	SIZES	S	PRODUCT #
Atacama Pro Drysuit	S - XXL		6556
Atacama Sport Drysuit	S - XXL		6555
Stratum Underfleece	Universal		6832
Race Top	J - XXL		6971
Spray Top	J - XXL		6970
Tri-Season Glove	J4 - XXL		6952
Three Finger Glove	J4 - XXL		6951
Short Finger Glove	J4 - XXL		6950
Zip Boot	4 - 13 (UK)		6940
3/4 Boot	3 - 13 (UK)		6941
Granite Shoe	2 - 11 (UK)		6943
Aplite Shoe	10 Child - 11 Adult (UK)		6942
Slate Sock	4 - 11 (UK)		6946

# PHASE2 SIZING CHARTS

CLOTHING	CHEST	WAIST	INSEAM	HEIGHT
Junior 2	24"	23"	21"	45"
Junior 3	26"	24"	23"	50"
Junior 4	29"	25"	25"	55"
Junior 5	31"	26"	27"	59"
Child	29-32"	24-26"	24"	56-60"
Junior	32-35"	26-28"	27"	60-64"
Small	35-38"	28-31"	29"	64-67"
Medium	38-41"	31-34"	31"	67-70"
Large	41-44"	34-37"	32"	70-73"
XL	44-47"	37-40"	33"	73-75"
XXL	47-50"	40-43"	33"	73-75"
Ladies 8/10	32-36"	24-28"	-	61-66"
Ladies 12/14	36-40"	28-32"	-	66-70"
Ladies 16/18	40-44"	32-36"	-	70-72"

BOOTS U.K.	BOOTS U.S.
4	5
5	6
6	7
7	8
8	9
9	10
10	11
11	12
12	13
13	14
14	15

GLOVES	HAND L X W
Junior 4	5.91x3.35"
Junior 5	6.30x3.55"
XS	6.50x3.74"
Small	6.70x3.94"
Medium	6.89x4.14"
Large	7.29x4.53"
XL	7.68x4.73"
XXL	7.87x4.88"

Note On Boot Sizes: Sizes are stated as U.S. men's standard, but fit may vary based on foot width and other factors. Be sure to select the size that best fits for your comfort.



## WET/DRY HOLDALL

Features heavy duty polyester construction, neoprene padded carry handle, removable shoulder strap, and full wet and dry main compartments



## CREW HOLDALL

Heavy-duty construction with reinforced base  
Semi-opaque rip-stop panel to view contents  
Carry handle, shoulder strap, internal slip pockets and dry compartment



## BUTE DRYBAGS

Features abrasion-resistant with roll top, heavy-duty wrap around base, semi-opaque panel to view contents  
55L size includes shoulder strap



## CREWLIFT 40 BOSUNS CHAIR

Complete with an adjustable waist belt and crotch straps for a secure fit  
Detachable tool pouch and webbing tool rack to carry essentials safely



PRODUCT	SIZES	S	PRODUCT #
Wet/Dry Bag	75L		6920
Bute Drybag	55L, 75L, 100L		6234
Crew Holdall	5L, 10L, 20L, 55L		6228
Crewlift 40 Bosuns Chair	Universal		11302

# CHOOSING THE RIGHT ONE: SAFETY SIGNAGE

DIBOND is the industry's leading aluminum composite material (ACM) and is well suited for professional signs and fascias manufactured by Survitec. These single or double-sided stove-lacquered (platinum white) aluminum composite panels are the ideal medium for creative ideas in architecture, industry, transport and display.

DIBOND is easily formed and yet extremely stable which makes it ideal harsh weather environments offering outstanding performance with regard to durability and stability. Ordinary tools can be used to create three-dimensional shapes by folding or bending for CI programs, roof edges, mechanical engineering purposes or for vehicle superstructures or claddings, product presentations and displays. Its excellent smooth surface enables precise screen printing and clean photo mounting and laminating. Owing to its low weight, combined with high rigidity and excellent weather resistance, DIBOND is highly recommended for on-shore or offshore use.

The data shown above includes typical values, and is not intended to represent exact specifications. Their aim is to guide the user towards a material choice. All statements, technical information and recommendations in this product data sheet are presented based upon reliable and practical field experience and application.

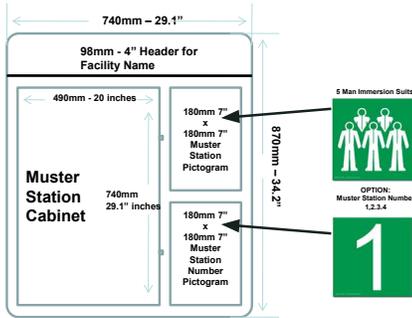
MATERIAL DETAILS	DESCRIPTION
Panel type	Aluminium composite panel, one or both sides platinum white stove-lacquered finish. or one side metallic-aluminum, reverse mill finish
Composite structure	Outer layers 0,3 mm aluminum, polyethylene core
Panel Thickness / Sheet Sizes	2 mm / 1000 x 2050 mm, 1250 x 2500 mm, 1500 x 3050 mm, or 1500 x 4050 mm 3 mm / 1000 x 2050 mm, 1250 x 2500 mm, 1500 x 3050 mm, or 1500 x 4050 mm 4 mm / 1000 x 2050 mm, 1250 x 2500 mm, 1500 x 3050 mm, or 1500 x 4050 mm 6 mm / 1500 x 3050 mm, 1500 x 4050 mm
Temperature range	Resistance from -50°C to +80°C
UV stability	Very good
Surface protection	PE film * * * *
Rigidity	EJ (kN m <sup>2</sup> /m) 0,034 0,086 0,160 0,384
Modulus of elasticity	E 70 000 N/mm <sup>2</sup>
Tensile strength	According to DIN 1745 Rm >= 165 N/mm <sup>2</sup>
Weight	kg/m <sup>2</sup> 2,90 3,80 4,75 6,70
European standard	Height 2500 mm * * * *
D DIN 4102, B2 Fire Classification	GB CLASS P/0/1 F M1
Water absorption in %	According to Din 53 495 0,01 0,01 0,01 0,01, linear thermal expansion dimensional change is 2.4mm/m at 100K temperature difference.
Static Charge	No anti-static treatment necessary

BRAND	DESCRIPTION AND KEY INDUSTRIES SERVED
	The Survitec product brand is applicable to signs listed in this section. All items are procured in house by our technicians to deliver the highest standards of quality.

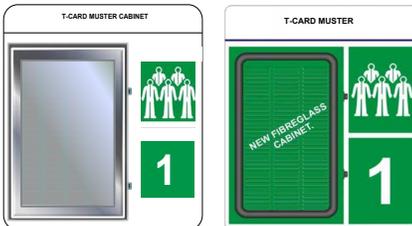
## OFFSHORE MUSTER STATION CABINET WITH BOARD

These rugged muster station boards with cabinets are designed for crew muster in the case of emergency on a rig or vessel

Cabinets contain four t-card racks, which together provide a maximum card holding capacity of 100 t-cards and Pictograms are vinyl with non fading UV resistant ink



Fiberglass cabinet front with hinges and handle  
 Back with lip to pre-set for mounting t-card rack  
 Cabinet door with weather-proof rigger seal and glass



Configured with Stainless Steel cabinet  
 Configured with Fiberglass cabinet

Each consists of a UV resistant backing board constructed from 4mm DIBOND aluminum with white stove lacquered front and rear layers, and a cabinet available in either 316 stainless steel or fiberglass

Either system configuration is suitable for both interior and exterior installation

Overall dimensions shown will remain constant, although layout is based on the location of the muster station box and may vary slightly

When ordering, please specify hinge style of either mounted pull clips or front swivel handle

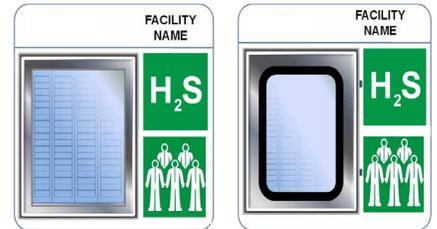
Each cabinet is supplied with the following options of a handrail fixing kit (please advise handrail size for brackets) or a bulkhead fixing kit – (supplied with either screws or heavy duty all weather adhesive; please specify)

## INTERIOR MUSTER STATION CABINET WITH BOARD

Muster station display boards are designed to provide assembly points, and designate personnel assigned to muster in the case of an emergency

When ordering, please specify hinge style of either mounted pull clips or front swivel handle

Available in either 316 stainless steel or full molded fiberglass



Square window

Rounded corner window with weather-resistant rubber seal

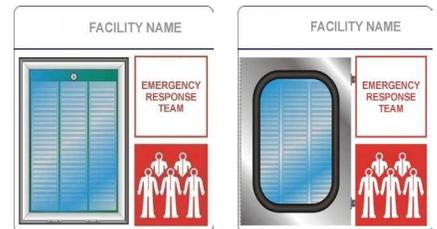
## EMERGENCY RESPONSE TEAM (ERT) CABINET WITH BOARD

Emergency response team display boards are designed to provide assembly points, and designate personnel assigned to emergency response duties

When ordering, please indicate interior or exterior use, and specify hinge style of either mounted pull clips or front swivel handle

T-cards are provided for up to 150 personnel

Available in either 316 stainless steel or full molded fiberglass



Square window

Rounded corner window with weather-resistant rubber seal

## MUSTER STATION DISPLAY BOARDS

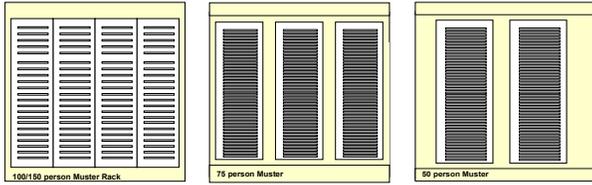
Designed to provide assembly points in the case of an emergency and designate personnel assigned to muster in cases of emergency



PRODUCT	WINDOW	W X H DIMENSIONS	CABINET MATERIAL	H	PRODUCT #
Offshore Muster Station Board with Cabinet	Square	29.1x34.2" (740x870mm)	Stainless Steel		RSSMS01
	Rounded		Fiberglass		RSSMS02
ERT Board with Cabinet	Rounded (Exterior)	29.1x34.2" (740x870mm)	Stainless Steel or Fiberglass		RSSERT001
	Square (Interior)				RSSERT002
Interior Muster Station Board with Cabinet	Square	29.1x34.2" (740x870mm)	Stainless Steel or Fiberglass		RSSMS03
	Rounded				RSSMS04
Immersion Suits Muster Display Board		23.6x24.8"	N/A		RSSMS05
Location Muster Display Board		(600x630mm)	N/A		RSSMS06

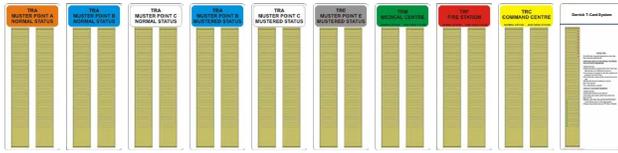
## MUSTER/ASSEMBLY BOARD T-CARD RACKS

T-card racks are available in 100/150, 75, and 50 quantities for use in our cabinets, both fiberglass and stainless steel



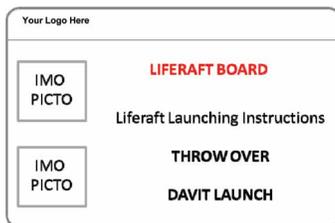
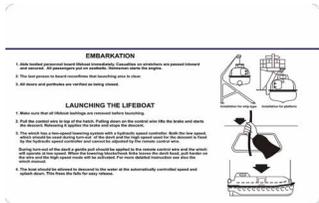
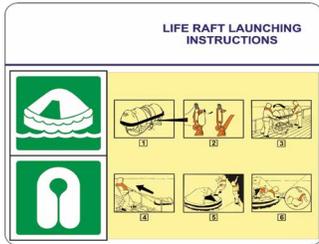
## MUSTER/ASSEMBLY BOARD T-CARD INSERTS

T-card inserts are available in 50, 75, 100 and 150 quantities for use in these racks and are color-coded for different status types and locations



## EMERGENCY LIFERAFT LAUNCHING AND EMBARKATION BOARDS

All Di-bond constructed boards can be sized to suit individual client needs based on your specific input



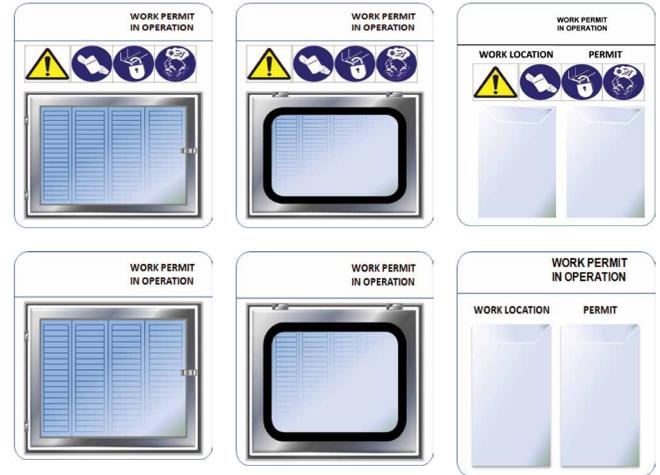
## PERMIT TO WORK INFORMATION BOARDS

Di-bond boards are available with or without area to display 7x7" and 5.5x5.5" pictographs such as Hazards and Mandatory information

Models with cabinets made of 316 stainless steel fit 50, 75, 100, or 150 person t-card racks, and t-cards are provided for up to 150 personnel

Exterior cabinet versions have rounded corner window with weather-resistant rubber seal, and interior cabinet versions have square window

Models without cabinets include two clear pockets for work location and permit holder information



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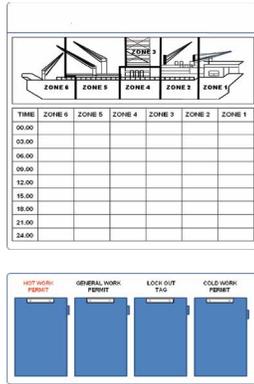
PRODUCT	W X H DIMENSIONS	CABINET / WINDOW	H	PRODUCT #
Permit To Work Information Boards	21.6 x 24.8" (550x630mm)	Interior / Square		RSSPTW-001
		Exterior / Rounded		RSSPTW-002
	13.7 x 24.8" (348x630mm)	None		RSSPTW-005
		None		RSSPTW-006
Liferaft Launching Instructions Board	Sized to client requirements	Interior / Square		RSSPTW-003
Liferaft Embarkation Launching Instructions Board	Sized to client requirements	Exterior / Rounded		RSSPTW-004
IMO Liferaft Davit Launch Instructions	23.6x20.6" (600x525mm)	N/A		RSSGIB-01
				RSSGIB-02
				RSSGIB-03

T-CARD INSERTS MODEL/PRODUCT	WX H DIMENSIONS	HEADER COLOR	DETAILS	H	PRODUCT #
Muster Point (Normal Status)	11.8x31.4" (300x800mm)	Orange	TRA Point A		RSS-MN10
		Blue	TRA Point B		RSS-MN11
		White	TRA Point C		RSS-MN12
Muster Point (Mustered Status)	11.8x31.4" (300x800mm)	Blue	TRA Point B		RSS-MP13
		White	TRA Point C		RSS-MP14
		Grey	TRA Point E		RSS-MP15
Specific Location (Normal/Mustered Status)	11.8x31.4" (300x800mm)	Green	TRM Medical Center		RSS-SL016
		Red	TRF Fire Station		RSS-SL017
		Yellow	TRC Command Center		RSS-SL018
Derrick T-Card System	11.8x31.4" (300x800mm)	White	Derrick T-Card System		RSS-DTC019
Muster Station T-Card Holder Rack for 100 / 150 Cards					RSS-MR01
Muster Station T-Card Holder Rack for 75 Cards					RSS-MR02
Muster Station T-Card Holder Rack for 50 Cards					RSS-MR04

## PERMIT TO WORK SYSTEM - WORK IN PROGRESS

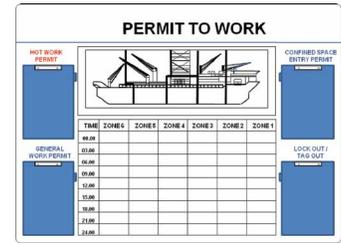
Permit to work information board system for communicating current work in progress onboard

The system consists of a three components: Magnetic Main Board with a side profile of the facility to display designated work areas, magnetic markers to show current ongoing work in progress within any zone, and clipboards designed to hold relevant permits



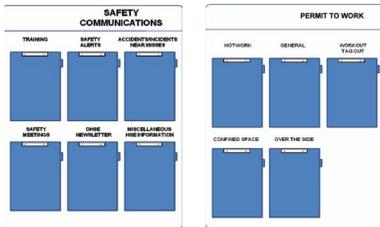
## PERMIT TO WORK DISPLAY BOARD

Includes a magnetic and dry wipe surface board that shows Permit Work In Progress, with clipboards on either side for holding related permits



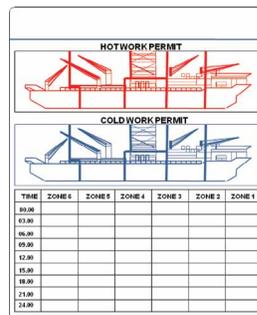
## SAFETY AND PERMIT TO WORK INFORMATION BOARDS (WITH CLIPBOARDS)

Comprised of 6 clipboard information holders for training and information (Safety Communications) or 5 clipboard information holders (Permit To Work)



## HOT / COLD WORK PERMIT BOARD

Magnetic diagram with dry wipe area



## PERMIT TO WORK BOARDS WITH CLIPBOARDS

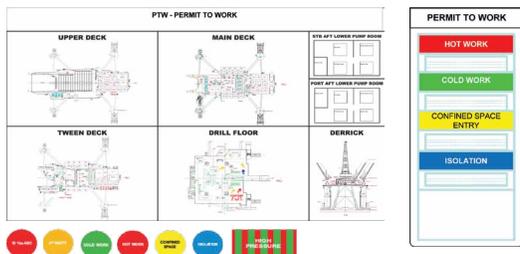
Di-bond boards are available with color coded clipboards to hold specific permit information



## CUSTOM PERMIT TO WORK INFORMATION BOARD SYSTEM

Survitec offers a permit to work information board system customized to your specific requirements

Below is a system custom developed for Atwood Oceanics that consists of three components: magnetic main board, work permit holder board with permit racks, and magnetic stickers to be attached to the main board for identifying areas where permit of work is in operation



PRODUCT	WX H DIMENSIONS	H	PRODUCT #
Permit To Work System - Work In Progress	34.8x35.6" (885x905mm)		RSSPTW-011
Hot Cold Work Permit Board	34.8x44.6" (885x1135mm)		RSSGIB-004
Permit To Work Display Board	53.3x37.2" (1355x945mm)		RSSGIB-005
Safety Communications Information Board	32.0x42.9" (820x1090mm)		RSSGIB-006
Permit To Work Information Board	32.0x42.9" (820x1090mm)		RSSGIB-007

PRODUCT	COMPONENT	WX H DIMENSIONS	NOTES	H	PRODUCT #
Custom Permit To Work System	Magnetic Main Board	60x36" (1470x882mm)	Board has racks that hold 11"W x 8"H permit sheets; stickers for Hot Work, Cold Work, Confined Space Entry, Isolation		RSSPTW-10
	Work Permit Holder Board	36.0x14.0" (882x343mm)			
	Magnetic Permit Stickers	Various sizes available			

PRODUCT	WX H DIMENSIONS	COLOR CODED CLIPBOARDS INCLUDED FOR FOLLOWING PERMITS	H	PRODUCT #
Permit To Work Boards With Clipboards	36.0x18" (914x457mm)	Diving, Working Over Water, Diesel Transfer		RSSPTW-07
		Confined Space, Excavation, Radioactive, Matrix		RSSPTW-08
		General Cold Work, Hot Work, Man Riding, Line Circuit Access		RSSPTW-09

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## INTERNAL INFORMATION BOARDS

Front opening notice displays, including the words "INFORMATION" or "DOG HOUSE BOARD"



## CONSTRUCTION SITE ENTRANCE BOARD

Displayed at work site entrance to provide information on risks and working practices



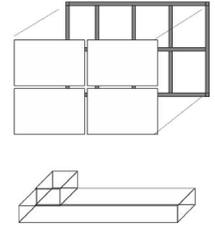
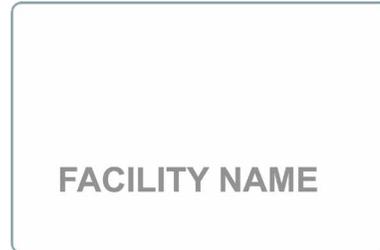
## RIG FACILITY IDENTIFICATION BOARDS

Di-Bond is Ideal for large Rig ID signs and these are available in most sizes, including our standard size listed below

Survitec will fabricate all steel framing and sectionalize with Stainless Steel or Galvanized Steel tubing for strength

Tubing is available from 1" to 5" in diameter with a full fixing kit and assembly instructions

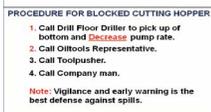
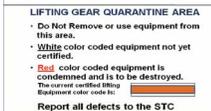
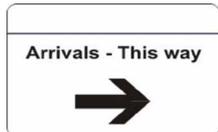
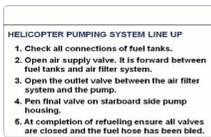
Signs can be provided in sections with the frame unbolted and dismantled for ease of transportation, or alternatively welded to the frame as a permanent assembly



1x board for smaller signs shown above, sectionalized and exploded view for large signs shown to top right, sectional tubing shown above

## GENERAL INFORMATION AND PROCEDURE BOARDS

Standard signs that identify safety areas, procedures, and provide other visual cues or directions to workers are available from Survitec



## CONFINED SPACE RESCUE TALLY BOARD

Includes a dry wipe surface



## SAFETY AREA DIRECTIONAL DISPLAY BOARD

Available in dual language



## TEXT ONLY BOARDS

Di-Bond signs in pictogram size



PRODUCT	WXH DIMENSIONS	H	PRODUCT #
Internal Information Board - Information	47.2x35.4" (1200x900mm)		RSSGIB-008
Internal Information Board - Dog House Board	47.2x35.4" (1200x900mm)		RSSGIB-008DHB
Construction Site Entrance Board	47.2x94.4" (1200x2400mm)		RSSGIB-019
Rig Facility Identification Board (Standard Size)	88.0x53.0" (2235x1350mm)		RSSGIB-009
Safety Area Directional Display Board	11.6x8.2" (297x210mm)		RSSGIB-012
Courtesy Board	11.6x8.2" (297x210mm)		RSSGIB-11
Arrivals Board	11.6x8.2" (297x210mm)		RSSGIB-12
Explosives Jettison Board	11.6x8.2" (297x210mm)		RSSGIB-13
Helicopter Pumping Procedure Board	11.6x8.2" (297x210mm)		RSSGIB-014
In Case Of Fire Procedure Board	11.6x8.2" (297x210mm)		RSSGIB-015
Lifting Gear Quarantine Area	11.6x8.2" (297x210mm)		RSSGIB-016
Procedure For Blocked Cutting Hopper	11.6x8.2" (297x210mm)		RSSGIB-017
Confined Space Tally Board	11.8x16.5" (300x420mm)		RSSGIB-018
Mud Hoppers - Text Only Sign	5.5x5.5" (140x140mm)		RSSGIB-020
Chemical Mixing Barrels - Text Only Sign	5.5x5.5" (140x140mm)		RSSGIB-021



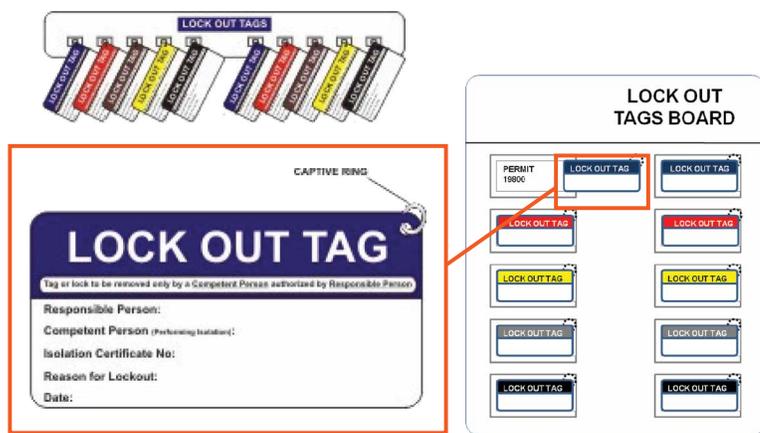


PRODUCT	WXH DIMENSIONS	NOTES	H	PRODUCT #
Fire Team Board	23.6x24.8" (600x630mm)	Complete with slide-in names and duties		RSSGIB-034
Key Personnel Board	23.6x24.8" (600x630mm)	Complete with sliders and inserts		RSSGIB-035
Key Rig Personnel Board	23.6x24.8" (600x630mm)			RSSGIB-036
QHSE Committee Team No 1	23.6x24.8" (600x630mm)			RSSGIB-037
H2S/Fire Team Rescue Team	23.6x24.8" (600x630mm)			RSSGIB-038
Management Team Board	20.4x23.2" (520x590mm)	Supplied with sliders		RSSGIB-039
Responsible Persons Board	20.4x23.2" (520x590mm)	Supplied with slide-in names and duties		RSSGIB-040
Safe Breathing Area / Muster Point	23.6x32.3" (600x820mm)	Mount on Back of Camp Site Welcome Board		RSSGIB-041
Safe Breathing Area / Muster Point (Land Rigs)	23.6x32.3" (600x820mm)	Mount on SBA Box		RSSGIB-042
Aircraft / Vessels Board	23.6x37.4" (600x950mm)			RSSGIB-043
Bunk Allocations Board	23.6x37.4" (600x950mm)			RSSGIB-044
Incident Information Board	23.6x37.4" (600x950mm)	Dry Wipe		RSSGIB-045
Rig BOP And Missing Persons Board	23.6x37.4" (600x950mm)	Dry Wipe		RSSGIB-046
Missing Persons / Casualties Board	23.6x37.4" (600x950mm)	Dry Wipe		RSSGIB-047
Key Event Log	23.6x37.4" (600x950mm)	Dry Wipe		RSSGIB-048
Contact List Board	23.6x37.4" (600x950mm)	Dry Wipe		RSSGIB-049
Weather Conditions Board	23.6x37.4" (600x950mm)	Dry Wipe		RSSGIB-050
Tubular Inventory Display Board	41.3x39.3" (1050x1000mm)	Magnetic and Dry Wipe		RSSGIB-051
Resource Display Board	23.6x35.4" (600x900mm)	Dry Wipe		RSSGIB-052
General Notice Board - Inside Rig Manager Office	47.3x39.3" (1200x1000mm)	Dry Wipe		RSSGIB-053
Dog House Board	31.5x19.8" (800x500mm)	Dry Wipe		RSSGIB-054
Well Location Board - Large	118x70.8" (3000x1800mm)	Displays well location information as required by the USCG including sliders for Operated By, Block #, OCSG #		RSSGIB-055
Well Location Board - Small	35.4x29.0" (900x740mm)			RSSGIB-056
Job Safety Analysis	35.4x29.0" (900x740mm)	Dry Wipe		GIB-057
Menu Board	23.6x35.4" (600x900mm)	With Pictogram information - Dry Wipe		GIB-058
Pipe Marking Identification Chart	Call	Call		Call
Dangerous Substances Board	16.5x23.6" (420x600mm)	Call		RSS-SH01
Know Your Safety Signs Board	16.5x23.6" (420x600mm)	Call		RSS-SH02
Hazardous Substances & General Signs Board	16.5x23.6" (420x600mm)	Call		RSS-SH03

## LOCK OUT TAGS AND HOLDERS

System is designed to clearly provide visual identification of lock-out by a specific department, as signified by a variety of colored tags

A lock-out tags board is available, as well as an alternative tag holder so that you are able to order only the number of tags and holders needed



PRODUCT	WXH DIMENSIONS	INDICATION	H	PRODUCT #
Lock Out Tag - Yellow	6.2x3" (160x80mm)	Sub Sea		RSS-LO02 YELLOW
Lock Out Tag - Black	6.2x3" (160x80mm)	Drilling		RSS-LO02 BLACK
Lock Out Tag - Blue	6.2x3" (160x80mm)	Marine		RSS-LO02 BLUE
Lock Out Tag - Red	6.2x3" (160x80mm)	Electric		RSS-LO02 RED
Lock Out Tag - Brown	6.2x3" (160x80mm)	Mechanical		RSS-LO02 BROWN
Alternative Tag Holder	31.4x3.9" (800x100mm)	N/A		RSS-LO01
Lock Out Tags Board	24.8x27.5" (630x700mm)	N/A		RSS-LO03

## INVENTORY INFORMATION BOARDS

Two Inventory Boards are available and each is dry erase

TUBULAR INVENTORY						
Item	Qty	Location	Condition	Notes	Remarks	Other Comments
ESDPDP	27.7 Buah					
S-150DP	24.7 Buah					
S-150DP	30 Buah					
SDP	19.8 Buah					
S-150DP	52.8 Buah					
S-150DP	42.8 Buah					
B-150DP	218.7 Buah					
SPDC	146.7 Buah					
B-150DP	30.8 Buah					

RISER INVENTORY SHATTER TYPE FTG						
Item	Qty	Location	Condition	Notes	Remarks	Other Comments

## WELCOME BOARDS WITH PICTOGRAMS

Two Welcome Boards are available

The Rig Welcome board is fit to the wall of a rig managers office, includes logo and the wording "All Personnel Report To Rig Manager", "Days Without Lost Time Incident" and "Days Without A Recordable Incident" in English and the local language; and comes complete with the following pictograms: Toxic H2S Gas, Wear Hardhat & Safety Glasses, Wear Booths and Coveralls, No Smoking, No Practical Jokes, No Alcohol, No Drugs

The larger Camp Welcome board is fit to the entrance of the camp site, includes logo the wording "All Personnel Report To Camp Boss" in English and the local language; and comes complete with the following pictograms: No Practical Jokes, No Alcohol, No Drugs

**WELCOME TO RIG - CAMP**

All visitors to report to the Camp Boss

Efsgsopu jwld mil MIC pror bgkasbe dns pihgc a rtsdfgh

**WELCOME TO RIG**

All personnel to report to the Rig Manager's office

Efsgsopu jwld mil MIC pror bgkasbe dns pihgc a rtsdfgh

Days without lost time incident: 0 1 2 3

Days without a recordable incident: 0 1 2 3

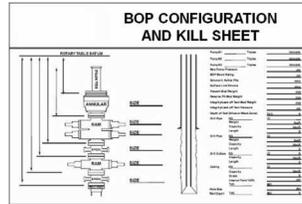
## STATUS INFORMATION BOARDS

BOP Configuration Board displays well status, and is available in single or dual language

DP (Dynamic Positioning) Status Board displays drill unit status, and is available in single or dual language

Rig Safety Record Board has magnetic, interchangeable numbers showing hours worked and lost time recorded

Tank Board displays tank capacity onboard the facility

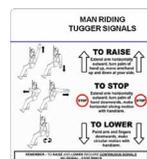


DP STATUS BOARD			
Remarks:	Drill Unit	Positioned On Duty	Drill Unit
Thrusters:	Thruster	Thruster Binding PDV Status	Thruster
Personal Operations:	Drill Unit	Drill Unit	Drill Unit
Work Up Calls:	Drill Unit	Drill Unit	Drill Unit

RIG SAFETY RECORD			
THE CREW OF THIS RIG HAVE WORKED 0 1 2 3 DAYS			
THE CREW OF THIS RIG HAVE WORKED 0 1 2 3 4 5 MAN HOURS WITHOUT AN LTA			
CREW A	CREW B	CREW C	CREW D

TANK BOARD											
PORT											
DATE RECEIVED FROM	QUANTITY	CONCENTRATION	TYPE	DATE RECEIVED FROM	QUANTITY	CONCENTRATION	TYPE	DATE RECEIVED FROM	QUANTITY	CONCENTRATION	TYPE
STABOARD											

## MAN RIDING TUGGER SIGNALS BOARD



## CRANE AND FORK LIFT SIGNAL BOARDS

Boards showing hand signals for crane or fork lift usage are available from Survitec in both a small and a large size, based on your needs

**CRANE SIGNALS**

**FORK LIFT SIGNAL**



PRODUCT	WXH DIMENSIONS	H	PRODUCT #
Tubular Inventory Board	41.7x35.8" (1060x910mm)		RSSGIB-058
Riser Inventory Board	41.7x35.8" (1060x910mm)		RSSGIB-059
Rig Welcome Board	39.25x27.5" (1000x700mm)		RSSGIB-025
Camp Site Welcome Board	78.75x52.5" (2000x1330mm)		RSSGIB-026
BOP Configuration Board	35.4x23.6" (900x600mm)		RSSGIB-022
DP Status Board	35.4x23.6" (900x600mm)		RSSGIB-023
Rig Safety Record Board	37.9x22.6" (965x575mm)		RSSGIB-027
Tank Board	35.4x29" (900x740mm)		RSSGIB-028
Crane Signals Board Large	51.0x51.0" (1250x1250mm)		RSSGIB-030L
Crane Signals Board Small	23.6x23.6" (600x600mm)		RSSGIB-030S
Fork Lift Signals Board Large	51.0x51.0" (1250x1250mm)		RSSGIB-031L
Fork Lift Signals Board Small	23.6x23.6" (600x600mm)		RSSGIB-031S
Man Riding Tugger Board	24.6x24.8" (625x630mm)		RSSGIB-032

## GENERAL DOOR / WALL SIGN INFORMATION BOARDS

Numerous versions of this Di-Bond sign are available each that include your company logo and description text as shown below

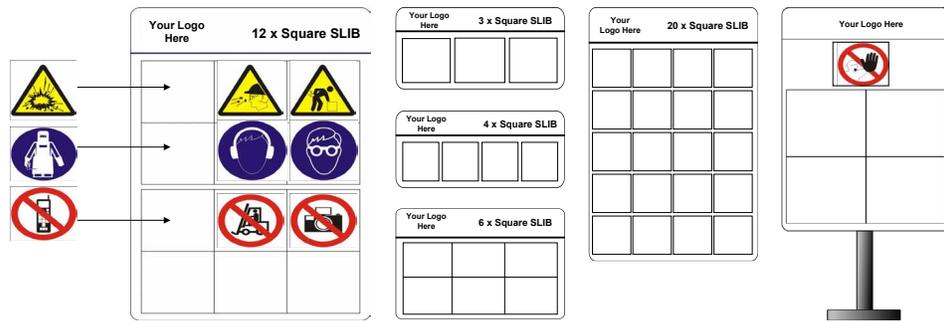


## SAFETY LOCATION INFORMATION BOARDS (SLIBS)

Safety Location Information Boards (SLIBs) are designed to eliminate language barrier issues by relaying pertinent safety information via pictographs

Pictographs are graphics that communicate ideas visually without words or text

Survitec provides full turn-key service for SLIBs and pictographs, including a comprehensive onsite or desktop survey designed to provide recommendations for all locational signage that ensures compliance is maintained at all times



Our team of professional fitters then undertakes the installation to fully meet the individual needs of every customer

The process begins with you selecting the size of board and range of signs needed for each area

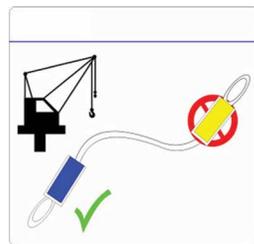
All sizes of SLIBs listed are compatible with 7" x 7" (180x180mm) and 5.5" x 5.5" (140x140mm) pictographs

Signs cover Hazard, Warning, Mandatory, Fire, IMO, Prohibition and Safe Condition subject topics

Mobile display boards are portable, making them suitable for temporary work locations that require information to be displayed

## HOISTING AND LIFTING EQUIPMENT COLOR CODING UNDER OPERATION BOARD

A colored band can be inserted in the lower pocket of the display board with as many bands as colors being used (white, green, blue and yellow)



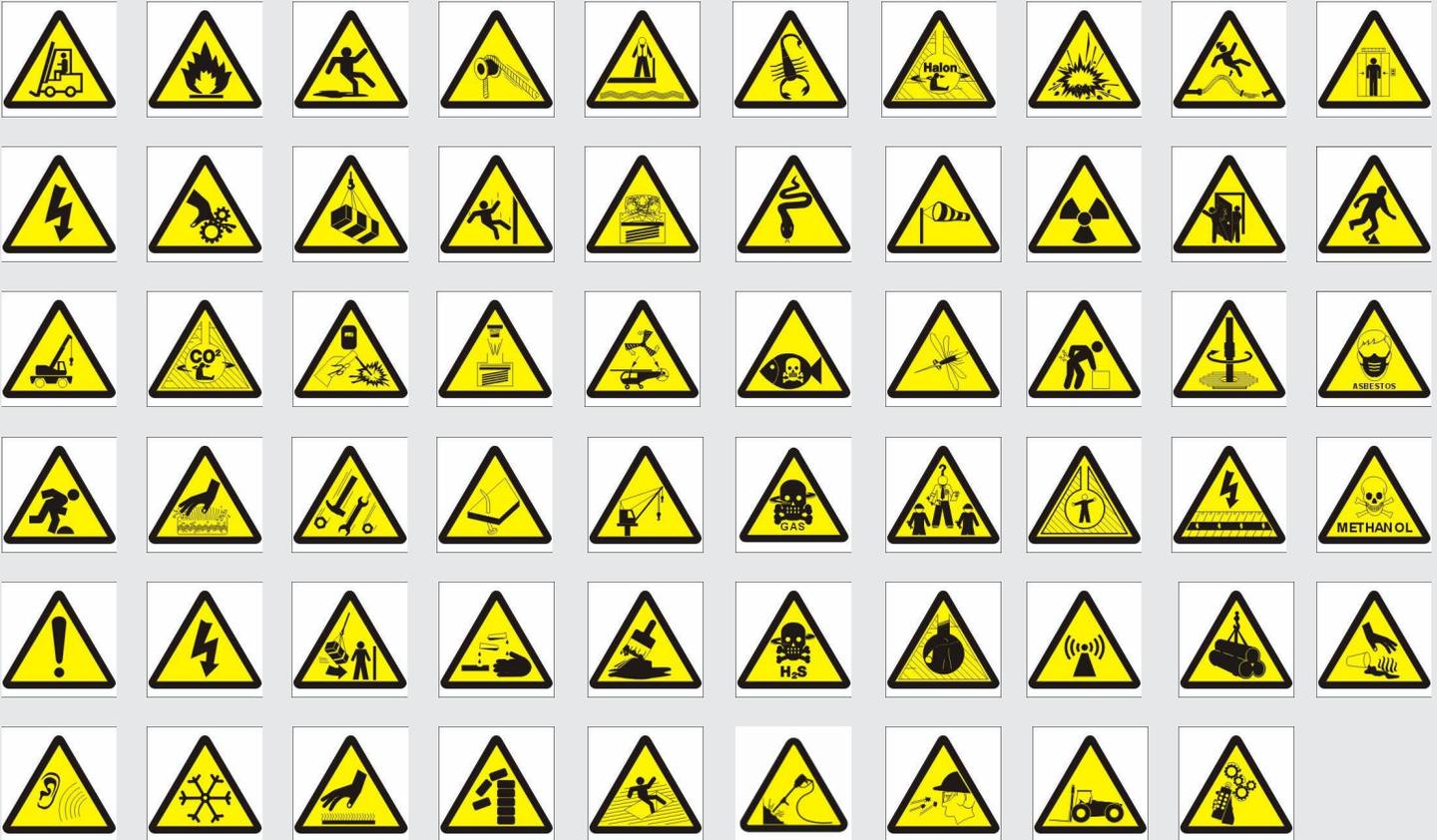
PRODUCT	WXH DIMENSIONS	H	PRODUCT #
Clinic Sign	23.6x5.3" (600x135mm)		RSS-GD001
Tool Pusher Sign	23.6x5.3" (600x135mm)		RSS-GD002
Company Man Sign	23.6x5.3" (600x135mm)		RSS-GD003
Radio Operator Sign	23.6x5.3" (600x135mm)		RSS-GD004
Sleeper Sign	23.6x5.3" (600x135mm)		RSS-GD005
Toilets Sign	23.6x5.3" (600x135mm)		RSS-GD006
Change Room Sign	23.6x5.3" (600x135mm)		RSS-GD007
Mosque Sign	23.6x5.3" (600x135mm)		RSS-GD008
Break Room Sign	23.6x5.3" (600x135mm)		RSS-GD009
Co-Foreman Sign	23.6x5.3" (600x135mm)		RSS-GD010
First Aid Station Sign	23.6x5.3" (600x135mm)		RSS-GD011
Rig Manager Sign	23.6x5.3" (600x135mm)		RSS-GD012
Radio Room Sign	23.6x5.3" (600x135mm)		RSS-GD013
Clinic/Cross/Crescent Sign	23.6x5.3" (600x135mm)		RSS-GD014
Prayer Room Sign	23.6x5.3" (600x135mm)		RSS-GD015
Designated Smoking Area Sign	23.6x5.3" (600x135mm)		RSS-GD016
Medical Center Sign	23.6x5.3" (600x135mm)		RSS-GD017
Rest area Sign	23.6x5.3" (600x135mm)		RSS-GD018
No Smoking In This Area Sign	23.6x5.3" (600x135mm)		RSS-GD019
Training Room Sign	23.6x5.3" (600x135mm)		RSS-GD020
TV Room Sign	23.6x5.3" (600x135mm)		RSS-GD021

PRODUCT	WXH DIMENSIONS	H	PRODUCT #
SLIB - Three Square Grid Standard Display	24.8x13" (630x335mm)		RSSSLIB-001
SLIB - Four Square Grid Standard Display	24.8x12.4" (630x315mm)		RSSSLIB-002
SLIB - Six Square Grid Standard Display	23.6x21.8" (600x555mm)		RSSSLIB-003
SLIB - Eight Square Grid Standard Display	23.6x21.8" (600x555mm)		RSSSLIB-004
SLIB - Twenty Square Grid Standard Display	39x23.6" (1000x600mm)		RSSSLIB-005
SLIB - Four Square Magnetic Mobile Board	23.6x36.2" (600x920mm)		RSSSLIB-006
Hoisting and Lifting Equipment Color Coding Under Operation Board	39.3x35.4" (1000x900mm)		RSSGIB-033

## HAZARD PICTOGRAMS

All Hazard Pictogram signs are available pre-printed on our SLIB boards, vinyl or vinyl mounted on plastic or DIBOND

Sizes available include 7x7" (180x180mm) and 5.5x5.5" (140x140mm)



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HAZARD	H	PRODUCT #	HAZARD	H	PRODUCT #	HAZARD	H	PRODUCT #
Forklift		HSS-W01	High Pressure		HSS-W21	Dark Area		HSS-W41
High Voltage		HSS-W02	Nails In Wooden Pallets		HSS-W22	Flying Objects - Eye Injury		HSS-W42
Land Rig Crane		HSS-W03	Chemicals		HSS-W23	Explosive		HSS-W43
Stepping Hazard		HSS-W04	Falling Boxes or Pallets		HSS-W24	Radioactive		HSS-W44
Generic Risk		HSS-W05	Fall Overboard		HSS-W25	W45 Back Injury		HSS-W45
High Noise		HSS-W06	Pressurized Tanks		HSS-W26	Confined Area		HSS-W46
Flammable		HSS-W07	Helicopter Blade		HSS-W27	Non Ionizing Radiation		HSS-W47
Machinery Pinch Points		HSS-W08	Offshore Crane		HSS-W28	Heavy Duty Forklift		HSS-W48
Area Protected by CO2		HSS-W09	Wet Paint		HSS-W29	High Pressure Hose		HSS-W49
Hot Liquid		HSS-W10	Deck Opening		HSS-W30	Careful - Open Door Slowly		HSS-W50
High Voltage		HSS-W11	Scorpions		HSS-W31	Rotating Drill		HSS-W51
Freeze Area		HSS-W12	Snakes		HSS-W32	Buried Power Cables		HSS-W52
Slippery Floor		HSS-W13	Poisonous Fish		HSS-W33	Moving Tubular		HSS-W53
Loads Overhead		HSS-W14	Toxic Gas		HSS-W34	Remote Operated Machinery		HSS-W54
Welding		HSS-W15	Toxic H <sub>2</sub> S Toxic Gas		HSS-W35	Hot Coffee - Liquid		HSS-W55
Falling Objects		HSS-W16	High Pressure Washer		HSS-W36	Mind The Lift Doors		HSS-W56
Moving or Rotating Load		HSS-W17	Area Protected by Halon		HSS-W37	Trip Hazard		HSS-W57
Hot Surface		HSS-W18	High Winds		HSS-W38	Dusk Mask - Asbestos		HSS-W58
Wire Rope in Tension		HSS-W19	Mosquitoes		HSS-W39	Methanol		HSS-W59
Falling Man		HSS-W20	Third Party		HSS-W40			

## MANDATORY PICTOGRAMS

All Hazard Pictogram signs are available pre-printed on our SLIB boards, vinyl or vinyl mounted on plastic or DIBOND

Sizes available include 7x7" (180x180mm) and 5.5x5.5" (140x140mm)



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MANDATORY	H	PRODUCT #
Maintain Good Housekeeping		MSS-M01
Use Lock Out		MSS-M02
Clean Spills		MSS-M03
Work Permit Required		MSS-M04
Use Stop		MSS-M05
Bleed Down		MSS-M06
Wear Goggles		MSS-M07
Use Isolation Matt		MSS-M08
Use Welding Equipment		MSS-M09
Use Dust Mask		MSS-M10
Unplug Electricity		MSS-M11
Tool box Meeting		MSS-M12
Watch Read		MSS-M13
Use Safety Harness		MSS-M14
Close Door		MSS-M15
Tie Gas Cylinders		MSS-M16
Wear Face Shield		MSS-M17
Wear Gloves		MSS-M18
Use SCBA		MSS-M19
Hard Hat & Safety Glasses		MSS-M20

MANDATORY	H	PRODUCT #
Wear Hair Cap		MSS-M21
Fasten Seat Belts		MSS-M22
Use Handrails		MSS-M23
Use Scaffolding		MSS-M24
Place Watchman		MSS-M25
Use Life vest		MSS-M26
Wear Overalls		MSS-M27
Wear Hard Shoes		MSS-M28
Test Atmosphere		MSS-M29
Use Tie Tools		MSS-M30
Reverse Park		MSS-M31
Wear Overalls & Hard Shoes		MSS-M32
Wear Ear Protection		MSS-M33
Use Work Vest		MSS-M34
Wear ID Badge		MSS-M35
Wear Hard Hat		MSS-M36
Check Wind Direction - H,S Gas		MSS-M37
Wear Apron		MSS-M38
Tie Loads Down		MSS-M39
Use Horn		MSS-M40

MANDATORY	H	PRODUCT #
Use Crane Signals		MSS-M41
Extinguisher Must Be Carried		MSS-M42
Wear Hard Hat & Ear Protection		MSS-M43
Carry Esc Pack		MSS-M44
Get Pass		MSS-M45
Think, Start, Focus		MSS-M46
Lock Computer OK		MSS-M47
Wear PPE		MSS-M48
Headlights		MSS-M49
Tie Loads Down		MSS-M50
Wear Apron and Gloves		MSS-M51

## PROHIBITION PICTOGRAMS

All Prohibition Pictogram signs are available pre-printed on our SLIB boards, vinyl or vinyl mounted on plastic or DIBOND

Sizes available include 7x7" (180x180mm) and 5.5x5.5" (140x140mm).



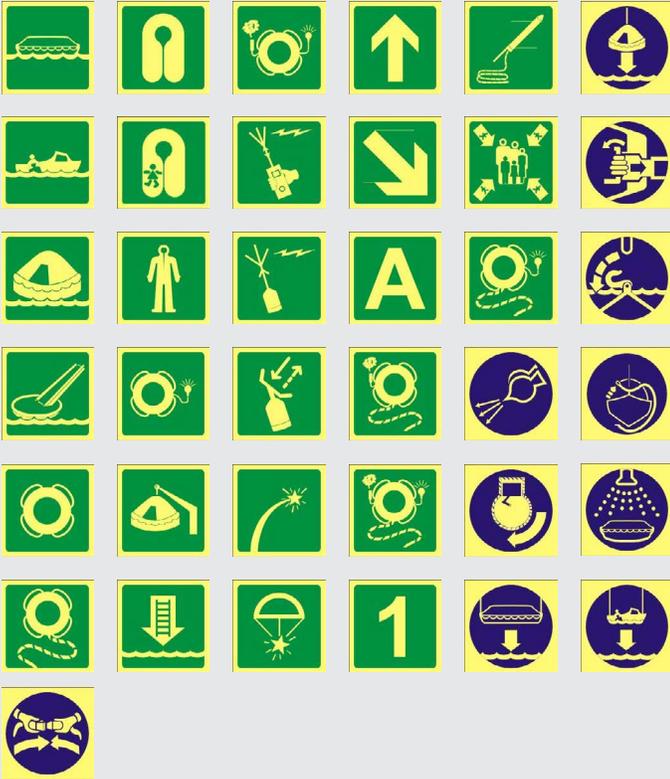
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PROHIBITION	H	PRODUCT #	PROHIBITION	H	PRODUCT #	PROHIBITION	H	PRODUCT #
No Jewelry		PSS-P01	Do Not Roll Gas Cylinders		PSS-P15	No Alcohol		PSS-P29
No Practical Jokes		PSS-P02	Do Not Use Top Step		PSS-P16	Do Not Dump Garbage in The Sea		PSS-P30
No Smoking		PSS-P03	Do Not Look at Welding Arc		PSS-P17	No Cameras		PSS-P31
Do Not Climb on Forklift		PSS-P04	No Welding		PSS-P18	No Radios		PSS-P32
No Dirty Suits		PSS-P05	Do Not go Near Helicopter Tail		PSS-P19	No Forklifts		PSS-P33
Do Not Stand Under Load		PSS-P06	Do Not Dump Oil on Land		PSS-P20	No Food or Drink		PSS-P34
No Dirty Shoes		PSS-P07	No Swimming		PSS-P21	No Dirty Suits or Boots		PSS-P35
No Hard Hat		PSS-P08	Do Not Make Noise		PSS-P22	Maximum Speed 5mph		PSS-P36
Do Not Wash With Water		PSS-P09	Do Not Drink		PSS-P23	No Mobiles		PSS-P37
Do Not Dump Garbage on Land		PSS-P10	No Drugs		PSS-P24	No Hammers		PSS-P38
Restricted Access		PSS-P11	No Fishing		PSS-P25	No Forward Parking		PSS-P39
Do Not Stand Under Forklift		PSS-P12	Do Not Run		PSS-P26	No Guns		PSS-P40
No Matches or Lighters		PSS-P13	Do Not Work With Injured Hand		PSS-P27	Maximum Speed 10mph		PSS-P41
Do Not Lift Heavy Load		PSS-P14	No Sharp Objects		PSS-P28	Do Not Dump Oil in The Sea		PSS-P42

## IMO PICTOGRAMS

All International Maritime Organization (IMO) Pictogram signs are available pre-printed on our SLIB boards, vinyl or vinyl mounted on plastic or DIBOND

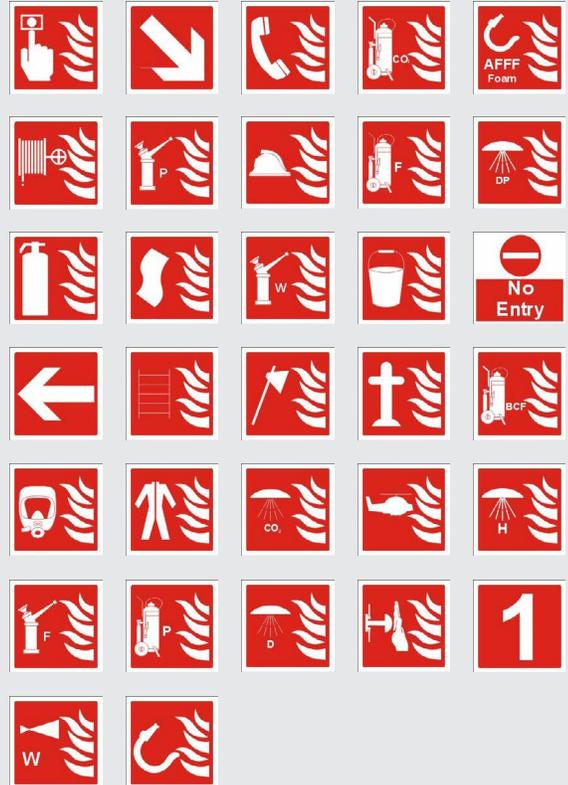
Sizes available include 7x7" (180x180mm) and 5.5x5.5" (140x140mm)



## FIRE-FIGHTING PICTOGRAMS

All Fire-Fighting Pictogram signs are available pre-printed on our SLIB boards, vinyl or vinyl mounted on plastic or DIBOND

Sizes available include 7x7" (180x180mm) and 5.5x5.5" (140x140mm)



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IMO	H	PRODUCT #
Lifeboat		IMO-M01
Rescue Boat		IMO-M02
Liferaft		IMO-M03
Evacuation Slide		IMO-M04
Lifebuoy		IMO-M05
Lifebuoy with Rope		IMO-M06
Lifejacket		IMO-M07
Immersion Suit - Child		IMO-M08
Immersion Suit		IMO-M09
Lifebuoy and Light		IMO-M10
Davit Launch Liferaft		IMO-M11
Embarkation Ladder		IMO-M12
Lifebuoy, Light & Smoke		IMO-M13
Survival Craft		IMO-M14
Portable Radio		IMO-M14
EPIRB		IMO-M15
Radar Transponder		IMO-M16
Pyrotechnic Distress Signal		IMO-M17
Rocket Parachute Flare		IMO-M18
S-Arrow		IMO-M19
A-Arrow		IMO-M20

IMO	H	PRODUCT #
Letters A - Z		IMO-M21
Lifebuoy with Smoke and Rope		IMO-M22
Lifebuoy with Light, Smoke, Rope		IMO-M23
Numbers 0 - 9		IMO-M24
Line Throw		IMO-M25
Muster Point		IMO-M26
Tie Loads Down		IMO-M27
Air Supply		IMO-M28
Start Engine		IMO-M29
Lower Lifeboat to Water		IMO-M30
Fasten Seat Belt		IMO-M31
Lower Liferaft to Water #		IMO-M32
Secure Hatches		IMO-M33
Release Falls		IMO-M34
Release Grips		IMO-M35
Start Water Spray		IMO-M36
Lower Rescue Boat to Water		IMO-M37

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FIRE-FIGHTING	H	PRODUCT #
Fire Alarm		FFE-F01
Hose Reel		FFE-F02
Fire Extinguisher		FFE-F03
Directional Arrow		FFE-F04
Fire Breathing Apparatus		FFE-F05
Foam Monitor		FFE-F06
Directional Arrow		FFE-F07
Powder Monitor		FFE-F08
Fire Blanket		FFE-F09
Fire Ladder		FFE-F10
Fire Suit		FFE-F11
Mobile Powder		FFE-F12
Telephone		FFE-F13
Fire Station		FFE-F14
Water Monitor		FFE-F15
Fire Axe		FFE-F16
Deluge CO <sub>2</sub>		FFE-F17
Deluge		FFE-F18

FIRE-FIGHTING	H	PRODUCT #
Mobile CO <sub>2</sub>		FFE-F19
Mobile Foam		FFE-F20
Fire Bucket		FFE-F21
Fire Hydrant		FFE-F22
Crash Rescue Equipment		FFE-F23
Start Fire Pump		FFE-F24
Dual Purpose Nozzle Water		FFE-F25
Fire Hose		FFE-F26
AFFF Foam		FFE-F27
Dry Powder Release		FFE-F28
No Entry		FFE-F29
BCF Mobile Extinguisher		FFE-F30
Halon Deluge Release		FFE-F31
Numbers 1 - 200		FFE-F32

## SAFE CONDITION PICTOGRAMS

All Safe Condition Pictogram signs are available pre-printed on our SLIB boards, vinyl or vinyl mounted on plastic or DIBOND  
 Sizes available include 7x7" (180x180mm) and 5.5x5.5" (140x140mm)



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SAFE CONDITION	H	PRODUCT #
Valve Shut Off		SC-S01
Personnel Basket		SC-S02
First Aid Alarm		SC-S03
Rescue Hook HV		SC-S04
Smoking Prohibited		SC-S05
Emergency Shower - Eye Bath		SC-S06
Emergency Ladder		SC-S07
Helicopter		SC-S08
General Alarm		SC-S09
Muster Station - No Immersion Suits		SC-S10
Emergency Radio		SC-S11
Tie Loads Down		SC-S12
Stairs Down		SC-S13

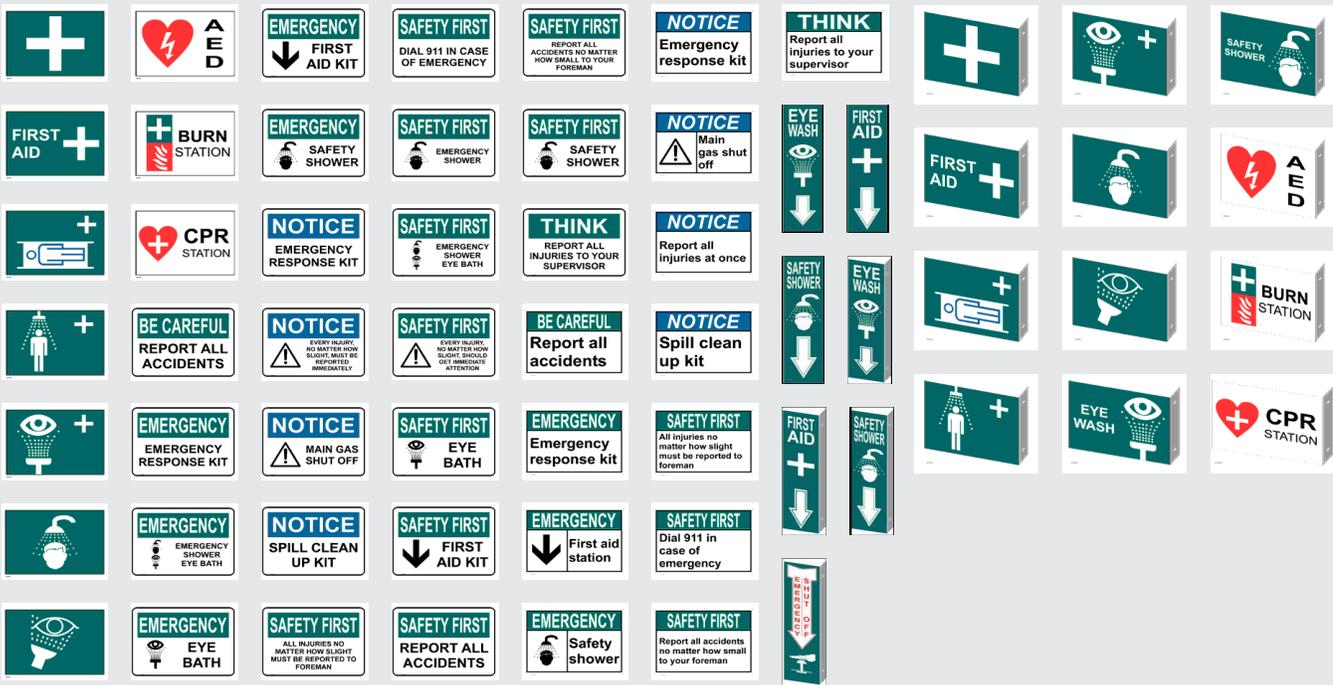
SAFE CONDITION	H	PRODUCT #
Rescue Hook LV		SC-S14
Stairs Up		SC-S15
Eye Wash		SC-S16
Emergency Stop		SC-S17
Emergency Shower		SC-S18
Exit Left		SC-S19
Directional Arrow		SC-S20
First Aid Station		SC-S21
Telephone		SC-S22
Knotted Rope		SC-S23
Breathing Apparatus		SC-S24
Slide to Open - Right		SC-S25
Slide to Open - Left		SC-S26
Break Glass to Open		SC-S27

SAFE CONDITION	H	PRODUCT #
Muster Station		SC-S28
Directional Arrow		SC-S29
Exit Right		SC-S30
Crescent - First Aid Station - Arabic		SC-S31
Rechargeable Torch		SC-S32
Stretcher		SC-S33
Scramble Net		SC-S34
Ladder		SC-S35
Hook		SC-S36
Descent Device		SC-S37
Drinking Water		SC-S38
Smoke Hoods		SC-S39

## FIRST AID EMERGENCY SIGNS

All ANSI Warning signs are available pre-printed on our SLIB boards, vinyl, vinyl mounted on plastic or Foamex, aluminum, rigid plastic and magnetic flexible

Standard sizes include 10x7", 14x10", 20x14" and other sizes are available upon request



FIRST AID EMERGENCY	H	PRODUCT #
First Aid Station		MFA-001
First Aid With Verbiage		MFA-002
First Aid Stretcher		MFA-003
First Aid Safety Shower		MFA-004
First Aid Eye Wash		MFA-005
First Aid Shower		MFA-006
First Aid Eye Wash		MFA-007
AED Station		MFA-008
Burn Station		MFA-009
CPR Station		MFA-010
Report All Accidents		MFA-011
Emergency Response Kit		MFA-012
Emergency Shower/Eye		MFA-013
Emergency Eye Bath		MFA-014
First Aid Kit		MFA-015
Safety Shower		MFA-016
Emergency Response Kit		MFA-017
Report All Injuries		MFA-018
Main Gas Shut Off		MFA-019
Spill Clean Kit		MFA-020
Report All Injuries		MFA-021
Dial 911 Emergency		MFA-022

FIRE AID EMERGENCY	H	PRODUCT #
Emergency Shower		MFA-023
Emergency Shower Eye Bath		MFA-024
First Aid Station		MFA-025
First Aid With Verbiage		MFA-026
First Aid Stretcher		MFA-027
First Aid Safety Shower		MFA-028
First Aid Eye Wash		MFA-029
First Aid Shower		MFA-030
First Aid Eye Wash		MFA-031
AED Station		MFA-032
Burn Station		MFA-033
First Aid Station		MFA-035
Safety Shower		MFA-036
Emergency Response Kit		MFA-037
Main Gas Shut Off		MFA-038
Report All Injuries At Once		MFA-039
Spill Clean Up Kit		MFA-040
Report All Injuries		MFA-041
Dial 911 Emergency		MFA-042
Report All Accidents		MFA-043
Report All Injuries - Supervisor		MFA-044

FIRST AID EMERGENCY WALL/APPLIANCE TYPE	H	PRODUCT#
Eye Wash		MFAW-001
First Aid		MFAW-002
Safety Shower		MFAW-003
Eye Wash		MFAW-004
First Aid		MFAW-005
Safety Shower		MFAW-006
Emergency Shut Off		MFAW-007

FIRST AID EMERGENCY CEILING TYPE	H	PRODUCT#
First Aid Station		MFAC-001
First Aid With Verbiage		MFAC-002
First Aid Stretcher		MFAC-003
First Aid Shower		MFAC-004
First Aid Eye Wash		MFAC-005
First Aid Safety Shower		MFAC-006
First Aid Eye Wash		MFAC-007
First Aid Eye Wash		MFAC-008
First Aid Safety Shower		MFAC-009
AED		MFAC-010
Burn Station		MFAC-011
CPR Station		MFAC-012



WARNING - ANSI / PPE	H	PRODUCT #
Biohazard		CB-HA01
No Food or Drink to be Stored		CB-HA02
Authorized Personnel Only		CB-HA03
No Food or Drink in Freezer		CB-HA04
Infectious Waste		CB-HA05
Corrosive Protective Clothing		CB-H01
Lead, Poison, No Smoking		CB-H02
Poison See MSDS		CB-H03
Goggles, Shield, Gloves		CB-H04
Wear Gloves Caustic Solutions		CB-H05
Carbon Dioxide Gas Injury Death		CB-H06
Goggles, Face Shield, Gloves		CB-H07
Poison Check MSDS		CB-H08
Carbon Dioxide Gas Injury Death		CB-H09
Carbon Dioxide Gas Suffocation		CB-H10
Carbon Dioxide Do Not Enter		CB-H11
Carbon Dioxide Do Not Enter		CB-H12
Do Not Touch		EVS-001
Do Not Touch Dual Lang		EVS-002
Do Not Touch Dual Lang		EVS-003
Finger Hand Hazard		EVS-004
Finger Hand Hazard Dual Lang		EVS-005
Finger Hand Hazard Dual Lang		EVS-006
Chock Before Using Fork Truck		MHF-001
Watch Out For Fork Trucks		MHF-002
Halon 1301 Being Released		FFE-001
Evacuate Area Alarm Sounds		FFE-002
Fire Door No Parking		FFE-003
Not For Electrical Fires		FFE-004
Do Not Enter Halon 1301		FFE-005
Carbon Dioxide Injury Death		FFE-006
Carbon Dioxide Injury Death		FFE-007
Carbon Dioxide Ventilate		FFE-008
Carbon Dioxide Do Not Enter		FFE-009
Carbon Dioxide Discharge		FFE-010
Do Not Operate Until Instructed		MPS-001
Machine Repair Do Not Operate		MPS-002
Arc Flash Disconnect Power		MPS-003
Authorized Personnel Only		MPS-004
Compressor Starts Automatically		MPS-005

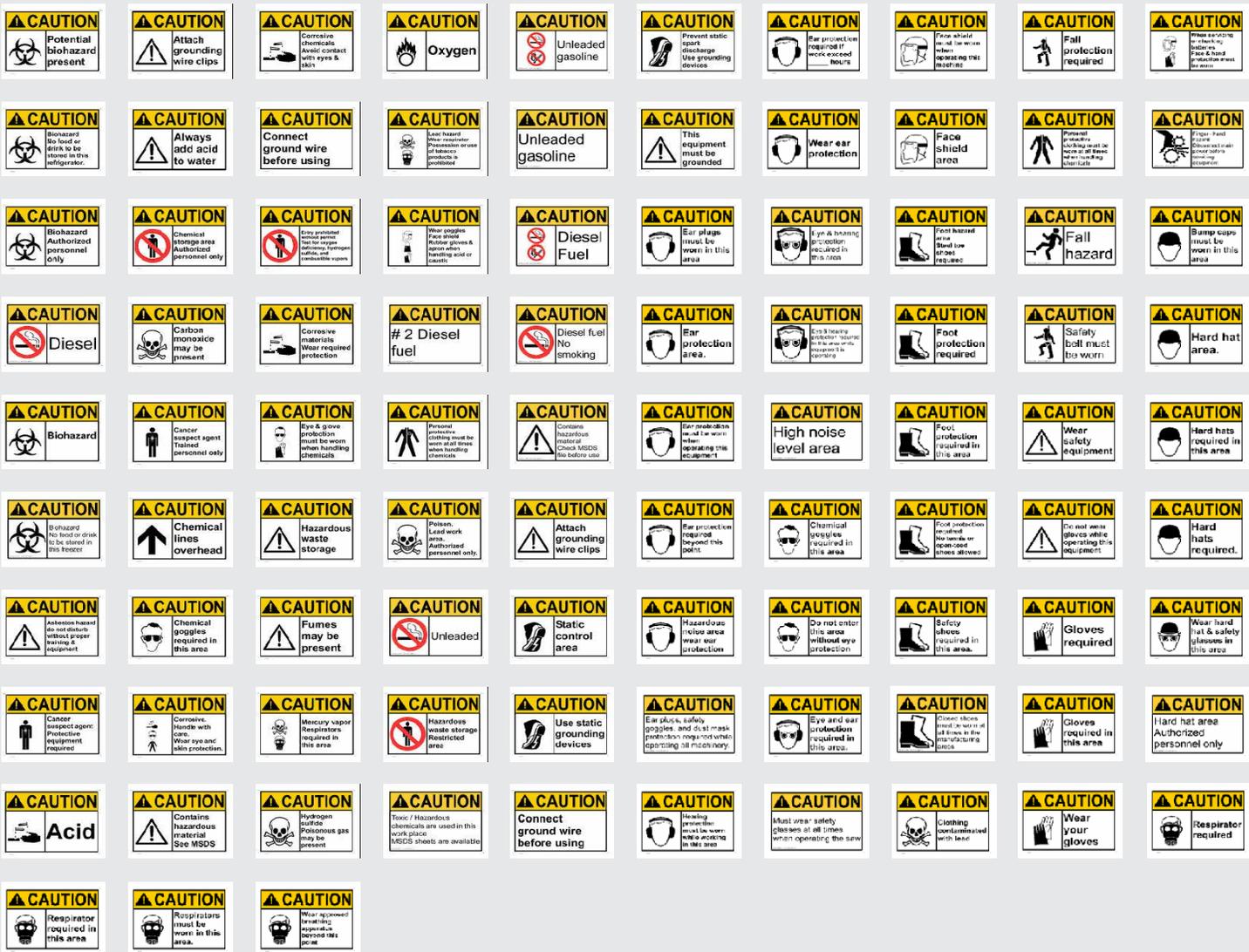
WARNING - ANSI / PPE	H	PRODUCT #
No Unauthorized Access		MPS-006
Never Remove Panel - Engaged		MPS-007
Finger Hand Hazard		MPS-008
Do Not Operate Without Instruction		MPS-001
Do Not Operate Without Guard		MPS-002
Do Not Operate Without Guard		MPS-003
Watch Fingers & Hands		MPS-004
Watch For Moving Equipment		MPS-005
Keep Guards in Place		MPS-006
Machine Under Repair		MPS-007
Moving Belts Use Guards		MPS-008
Compressor Starts Automatically		MPS-009
Never Remove Panel - Engaged		MPS-010
Pinch Point - Keep Back		MPS-011
Watch Hand & Fingers		MPS-012
Wear Goggles & Face Shield		MPS-013
Never Place Objects on Panel		MPS-014
Finger & Hand Hazard		MPS-015
Battery Charging Area		NS-001
Do Not Smoke in Area		NS-002
Flammable Liquids		NS-003
No Smoking Beyond This Point		NS-004
No Smoking		NS-005
Lead Area, No Smoking, Eat, Drink		NS-006
No Smoking, Eating or Drinking		NS-007
No Smoking Oxygen in Use		NS-008
Please Use Main Door		NTS-001
Authorized Personnel Only		NTS-002
Halon 1301 Being Released		NTS-003
Explosive Authorized Persons Only		NTS-004
Hazardous Area		NTS-005
No Trespassing		NTS-006
No Dumping Tenant Use Only		NTS-007
Use Assigned Pathway		NTS-008
Authorized Persons Only		NTS-009
Mechanical Room No Access		NTS-010
Fire Door No Parking		NTS-011
No Access to Lab		NTS-012
Radio Frequency Exceeds FCC		NTS-013
Ear Protection Required		WPP-EA01

WARNING - ANSI / PPE	H	PRODUCT #
Noise Area Ear Protection		WPP-EA02
Wear Ear Protection		WPP-EA03
Wear Hearing Protection - Area		WPP-EA04
Ear Protection Required		WPP-EA05
Noise Area - Use Protection		WPP-EA06
Wear Hearing Protection - Area		WPP-EA07
Wear Ear Protection		WPP-EA08
Careful -Ear Protection Required		WPP-EA09
Careful -Ear Protection Required		WPP-EA10
Safety -Ear Protection Required		WPP-EA11
Eye Protection Required		WPP-EY01
Wear Eye Protection		WPP-EY02
Wear Goggles or Face Shield		WPP-EY03
Wear Goggles or Use Shield		WPP-EY04
Wear Goggles		WPP-EY05
Wear Chemical Goggles		WPP-EY06
Wear Protective Clothing		WPP-GE01
Watch Your Step		WPP-GE02
Wear Apron, Gloves, Eye		WPP-GE03
Caution Film Badge Required		WPP-GE04
Watch Your Step		WPP-GE05
Wear Protective Clothing		WPP-GE06
Wear Apron, Gloves, Eye		WPP-G01
Chemical Goggles, Shield, Gloves		WPP-G02
Wear Gloves - Caustic		WPP-G03
Wear Goggles, Rubber Gloves		WPP-G04
Wear Splash Goggles		WPP-G05
Finger Hand Hazard		WPP-G06
Hard Hat Area		WPP-R01
Hard Hat, Safety Glasses		WPP-R02
Hard Hat Area		WPP-R03
Hard Hat, Safety Glasses		WPP-R04
No Admittance, Hard Hat, Eye		WPP-R05
Respirator Area, See MSDS		WPP-R01
Wear Approved Apparatus		WPP-R02
Wear Breathing Apparatus		WPP-R03
Wear Respirator, This Area		WPP-R04
Respirator Area, See MSDS		WPP-R05
Wear Respirator, This Area		WPP-R06

# CAUTION SIGNS - ANSI / PPE

All Caution and PPE signs are available pre-printed on our SLIB boards, vinyl, vinyl mounted on plastic or Foamex, aluminum, rigid plastic and magnetic flexible

Standard sizes include 10x7", 14x10", 20x14" and other sizes are available upon request



CAUTION - ANSI / PPE	H	PRODUCT #
Caution Potential Hazard		CO-001
Biohazard No Food or Drink - Refrig		CO-002
Biohazard Authorized Personnel Only		CO-003
Caution Biohazard		CO-004
Caution No Food or Drink - Freezer		CO-005
Asbestos Hazard Do Not Disturb		CO-006
Caution Diesel		CO-007
Cancer Suspect Agent, Protect Equip		CO-008
Caution Acid		CO-009
Caution Attach Grounding Clips		CO-010
Caution Always add Acid to Water		CO-011
Storage Area Auth Personnel Only		CO-012
Carbon Monoxide May be Present		CO-013
Cancer Agent Trained Personnel Only		CO-014
Chemical Lines Overhead		CO-015
Goggles Required in this Area		CO-016
Handle with Care - Eye & Skin Protec		CO-017
Contains Haz Material See MSDS		CO-018
Chemicals Avoid Contact, Eyes & Skin		CO-019
Ground Wire Before Using		CO-020
Entry Prohibit Test for Oxyg, Hydr		CO-021
Corrosive Material Wear Req Protec		CO-022
Eye & Glove Protec Must Be Worn		CO-023
Hazardous Waste Storage		CO-024
Fumes May be Present		CO-025
Mercury Respirators Required		CO-026
Hydrogen Sulfide Poisonous Gas		CO-027
Caution Oxygen		CO-028
Lead Hazard Wear Respirator		CO-029
Wear Goggles, Face Shield, Rubber Gloves		CO-030
Caution #2 Diesel		CO-031
Protective Clothing must be Worn		CO-032
Poison Lead Authorized Personnel Only		CO-033
Carbon Monoxide, Ventilate Space		CO-034
Haz Waste - Restricted Area		CO-035
Toxic, Haz Chemicals are in Use		CO-036
Unleaded Gasoline		CO-037
Unleaded Gasoline		CO-038
Diesel Duel		CO-039
Diesel Fuel no Smoking		CO-040
Contains Hazardous Material		CO-041
Attach Grounding Clips		CO-001

CAUTION - ANSI / PPE	H	PRODUCT #
Static Control Area		CO-002
Use Static Grounding Devices		CO-003
Connect Ground Wire before Use		CO-004
Prevent Static Spark Discharge		CO-005
This Equipment must be Grounded		CO-006
Fumes May be Present		CO-025
Mercury Respirators Required		CO-026
Hydrogen Sulfide Poisonous Gas		CO-027
Caution Oxygen		CO-028
Lead Hazard Wear Respirator		CO-029
Wear Goggles, Face Shield, Rubber Gloves		CO-030
Caution #2 Diesel		CO-031
Protective Clothing must be Worn		CO-032
Poison Lead Authorized Personnel Only		CO-033
Carbon Monoxide, Ventilate Space		CO-034
Haz Waste - Restricted Area		CO-035
Toxic, Haz Chemicals are in Use		CO-036
Unleaded Gasoline		CO-037
Unleaded Gasoline		CO-038
Diesel Duel		CO-039
Diesel Fuel no Smoking		CO-040
Contains Hazardous Material		CO-041
Attach Grounding Clips		CO-001
Static Control Area		CO-002
Use Static Grounding Devices		CO-003
Connect Ground Wire before Use		CO-004
Prevent Static Spark Discharge		CO-005
This Equipment must be Grounded		CO-006
Ear Plugs Must be Worn		CPP-EA01
Ear Protection Area		CPP-EA02
Ear Protection Must be Worn		CPP-EA03
Ear Protection, Beyond This Point		CPP-EA04
Hazardous Noise Area		CPP-EA05
Ear Plugs, Goggles, Mask		CPP-EA06
Hearing Protection Must Be Worn		CPP-EA07
Ear Protection Required - Hours		CPP-EA08
Wear Ear Protection		CPP-EA09
Eye, Hearing Protection Required		CPP-EA10
Eye, Hearing Protection Required		CPP-EA11
High Noise Level Area		CPP-EA12
Chemical Goggles Required		CPP-EY01
Do Not Enter, Eye Protection		CPP-EY02

CAUTION - ANSI / PPE	H	PRODUCT #
Eye, Ear Protection Required		CPP-EY03
Safety Glasses At All Times		CPP-EY04
Face Shield Must Be Worn		CPP-EY05
Face Shield Area		CPP-EY06
Foot Hazard, Steel Toe Shoes		CPP-F01
Foot Protection Required		CPP-F02
Foot Protection Required - Area		CPP-F03
No Tennis Or Open Shoes		CPP-F04
Safety Shoes Required, This Area		CPP-F05
Closed Shoes Must Be Worn		CPP-F06
Clothing Contaminated, Lead		CPP-GE01
Fall Protection Required		CPP-GE02
Protective Clothes Must be Worn		CPP-GE03
Fall Hazard		CPP-GE04
Safety Belt Must Be Worn		CPP-GE05
Wear Safety Equipment		CPP-GE06
Do Not Wear Gloves, Machinery		CPP-G01
Gloves Required		CPP-G02
Gloves Required In This Area		CPP-G03
Wear Your Gloves		CPP-G04
Face, Hand Protection Battery's		CPP-G05
Finger, Hand Hazard		CPP-G06
Bump Caps Must be Worn, Area		CPP-HH01
Hard Hat Area		CPP-HH02
Hard Hats Required, This Area		CPP-HH03
Hard Hats Required		CPP-HH04
Wear Hard Hat, Safety Glasses		CPP-HH05
Hard Hat Area, Authorized Only		CPP-HH06
Respirator Required		CPP-R01
Respirator Required, This Area		CPP-R02
Respirators Must Be Worn		CPP-R03
Approved Breathing Apparatus		CPP-R04



CAUTION - OSHA / PPE	H	PRODUCT #	CAUTION - OSHA / PPE	H	PRODUCT #	CAUTION - OSHA / PPE	H	PRODUCT #
Diesel		CC-001	Toxic Area MSDS Sheets Available		CC-033	Do Not Enter Eye Protection		CCP-EY03
Potential Biohazard Present		CC-002	Hazardous Waste - Restricted Area		CC-034	Eye Hazard Wear Safety Glasses		CCP-EY04
Asbestos Hazard		CC-003	Diesel Fuel		CC-035	Eye, Ear Protection This Area		CCP-EY05
Biohazard Authoriz Personnel Only		CC-004	Lead Hazard Wear Respirator		CC-036	Eye Protection, Hart Hat This Area		CCP-EY06
Biohazard No Food Drink - Freezer		CC-005	Diesel Fuel - No Smoking		CC-037	Face Shield Area		CCP-EY07
Asbestos Dust Hazard		CC-006	Hazardous Material - Check MSDS		CC-038	Face Shield Must Be Worn		CCP-EY08
Biohazard No Food Drink - Fridge		CC-007	Mercury Vapor Respirators Required		CC-039	UV Light Do Not Look		CCP-EY09
Infectiousness Waste		CC-008	Unleaded Gasoline		CC-040	Safety Glasses Operating Saw		CCP-EY10
Biohazard		CC-009	Fumes May Be Present		CC-041	Safety Glasses All Times		CCP-EY11
Cancer Suspect Agent		CC-010	Unleaded Gasoline		CC-042	Save Your Eyes Wear Goggles		CCP-EY12
Chemical Storage Area		CC-011	Carbon Monoxide Space is Ventilated		CC-043	Foot Hazard Wear Steel Shoes		CPP-F01
Connect Ground Wire Before Using		CC-012	Unleaded		CC-044	Foot Protection Required		CPP-F02
Lead Acid Caution		CC-013	Oxygen		CC-045	Foot Protection In This Area		CPP-F03
Corrosive Materials Wear Protection		CC-014	High Pressure Pipe Line		CC-046	Foot Protection Required		CPP-F04
Entry Prohibited Without Permit		CC-015	Oxygen		CC-047	Safety Shoes Must Be Worn		CPP-F05
Chemical Authoriz Personnel Only		CC-016	Compressed Air		CC-048	Closed Shoes Must Be Worn		CPP-F06
Carbon Monoxide May be Present		CC-017	Keep all Cylinders Chained		CC-049	Do Not Wear Gloves - Equipment		CPP-GE01
Attach Grounding Wire Clip		CC-018	Oxyg No Smoking No Open Flames		CC-050	Gloves Required		CPP-GE02
Contains Haz Material See MSDS		CC-019	Cylinders Gapped and Supported		CC-051	Gloves Required This Area		CPP-GE03
Always Add Acid to Water		CC-020	Close Valves/Oxyg/Acetylene Tanks		CC-052	Wear Your Gloves		CPP-GE04
Chemical Lines Overhead		CC-021	No Smoking Oxygen in Use		CC-053	Wear Apron, Gloves, Eye - Acids		CPP-GE05
Corrosive Handle With Care		CC-022	Do Not Enter, Ear & Eye		CCP-EA01	Finger Hand Hazard		CPP-GE06
Cancer Agent Trained Person Only		CC-023	Hearing Protection Required		CCP-EA02	Mump Caps Must Be Worn		CPP-HH01
Chlorine Area		CC-024	Ear Plugs Must Be Worn		CCP-EA03	Hard Hat, Goggles This Area		CPP-HH02
Acid		CC-025	Ear Protection Area		CCP-EA04	Hard Hat Area		CPP-HH03
Chemical Goggles Required		CC-026	Ear Protection Required		CCP-EA05	Hard Hats Required		CPP-HH04
Corrosive Avoid Contact Eyes, Skin		CC-027	Hearing Protection Required		CCP-EA06	Hard Hats Required This Area		CPP-HH05
# 2 Diesel Fuel		CC-028	Hard Hat, Ear Protection		CCP-EA07	Hard Hat Area		CPP-HH06
Eye Glove Protect Handling Chem		CC-029	Hazardous Noise Ear Protection		CCP-EA08	Respirator Required		CPP-R01
Poison Lead Authoriz Personnel Only		CC-030	Hearing Protection Required		CCP-EA09	Respirators Must Be Worn		CPP-R02
Hazardous Waste Storage		CC-031	Eye, Hearing Protection Required		CCP-EA10	Approved Breathing Apparatus		CPP-R03
Goggles, Face Shield, Gloves & Apron		CC-032	High Noise Level Area		CCP-EA11	Wear Mask Respiratory Irritants		CPP-R04
			Chemical Goggles Required		CCP-EY01	Ear Plugs, Goggles, Dust Mask		CPP-R05
			Do Not Enter Wear Protection		CCP-EY02	Hazardous Air From Isolation Rooms		CPP-R06



DANGER - ANSI / OSHA / PPE	H	PRODUCT #	DANGER - ANSI / OSHA / PPE	H	PRODUCT #	DANGER - ANSI / OSHA / PPE	H	PRODUCT #
Danger Acid		DO-001	Area In Front Of Panel 36" Clear		DV-011	Hard Hat, Goggles This Area		PP-H03
Danger Argon		DO-002	460 Volts		DV-012	Hard Hats, Fall Protection		PP-H04
Danger Acid Area		DO-003	Do Not Open Panel		DV-013	Safety Glasses, Shoes This Area		PP-H05
Acid Area Wear Protective Clothing		DO-004	Call Electrician		DV-014	Hard Hat Area Authorized Only		PP-H06
Benzene Cancer Hazard		DO-005	Buried Cable		DV-015	Do Not Enter - Ear Protection		DPP-EA01
Acid Wear Protective Clothing		DO-006	Do Not Enter High Voltage		DV-016	Ear Protection Area		DPP-EA02
Danger Chlorine Gas		DO-007	Keep Area In Front Of Panel Clear		DV-017	Ear Protection Must Be Worn		DPP-EA03
Danger Carbon Monoxide		DO-008	Do Not Operate 10ft Power Lines		DV-018	Ear Protection Required		DPP-EA04
Danger Anhydrous Ammonia		DO-009	Electric Fence		DV-019	Ear Protection At All Times		DPP-EA05
Danger Corrosive Chemicals		DO-010	220 Volts		DV-020	Ear Protection This Area		DPP-EA06
Danger Caustic Wear Protective Clothing		DO-011	Electric Meter Room No Storage		DV-021	Excessive Noise Ear Protection		DPP-EA07
Danger Benzene		DO-012	Electrical Box Cvr Closed All Times		DV-022	Eye, Ear Protection Required		DPP-EA08
Danger Ammonia		DO-013	Electrical Current Keep Away		DV-023	Eye, Ear Protection This Area		DPP-EA09
Danger Chemical Storage		DO-014	Do Not Touch Switches		DV-024	Eye, Ear Operating Equipment		DPP-EA10
Storage Unauth Persons Keep Out		DO-015	208 Volts		DE-001	Hard Hats, Ear Protection		DPP-EA11
Cancer Haz Authorized Persons Only		DO-016	Battery Charging No Smoking		DE-002	High Noise, Ear Protection		DPP-EA12
Acid Area Eye Protection Required		DO-017	Eye Protection Must Be Worn		DE-003	Eye, Hearing Protection, Point		DPP-EA13
Danger Diesel		DO-018	Turn Of Battery Charge		DE-004	Eye, Hearing Protection, Area		DPP-EA14
Corrosive Materials Wear Protec		DO-019	Shut Off Charger Before Unplugging		DE-005	Eye, Ear Protection, Equipment		DPP-EA15
Danger Caustic		DO-020	Battery Charging Area		DE-006	Ear, Eye Protection, Equipment		DPP-EA16
Danger Caustic Soda		DO-021	No Smoking Or Open Flames		PPE-A01	High Noise Level Area		DPP-EA17
Danger Alcohol		DO-022	Wear Ear Protection		PPE-A02	Do Not Enter, Safety Glasses		DPP-EY01
Danger Chemical Storage Area		DO-023	Ear Protection Area		PPE-A03	Do Not Operate, Safety Glasses		DPP-EY02
Chem Unloading Authorized Persons		DO-024	Ear Protection Must Be Worn		PPE-A04	Eye, Ear Protection Required		DPP-EY03
Chlorine Hazard Area Keep Out		DO-025	Ear Protection Required		PPE-A05	Eye, Ear Protection, Equipment		DPP-EY04
Corrosive Liquids Wear Gloves & Goggles		DO-026	Ear Protection At All Times		PPE-A06	Eye Protection Area		DPP-EY05
Danger Cyanide		DO-027	Ear Protection This Area		PPE-A07	Welding Arc, Eye Protection		DPP-EY06
Danger Diesel Fuel		DO-028	Excessive Noise Ear Protection		PPE-A08	Safety Shoes Must Be Worn		DPP-F01
Eye, Glove Protec, Handling Chem		DO-029	Eye, Ear Beyond This Point		PPE-A09	Safety Shoes Required - Area		DPP-F02
Benzene Cancer Hazard		DO-030	Eye, Ear This Area		PPE-A10	Safety Shoes Factory Employees		DPP-F03
Compressed Gas		DC-001	High Noise Level Area		PPE-A11	Safety Shoes Must Be Worn		DPP-F04
Acetyl No Smoking No Open Flames		DC-002	Hard Hat, Ear Required		PPE-A12	Steel Toe Shoes - This Area		DPP-F05
Acetylene		DC-003	High Noise, Ear Protection		PPE-A13	Safety Glasses, Shoes, Hard Hats		DPP-F06
Compressed Air		DC-004	Eye, Hearing Beyond This Point		PPE-A14	Do Not Unload, Protective Gear		DPP-GE01
Hydro No Smoking No Open Flames		DC-005	Eye, Hearing In This Area		PPE-Y01	Hard Hats, Fall Protection		DPP-GE02
Compressed Air Do Not Use For		DC-006	Do Not Operate Safety Glasses		PPE-Y02	Highly Corrosive Materials		DPP-GE03
Gas Line		DC-007	Eye, Ear Beyond This Point		PPE-Y03	Safety Belt, Lifeline Required		DPP-GE04
Danger Chemical Storage		DC-008	Face Shield Must Be Worn		PPE-Y04	Wear Protective Clothing		DPP-GE05
Storage Unauth Persons Keep Out		DC-009	Welding Arc Eye Protection		PPE-Y05	Safety Belts Required		DPP-GE06
Hydrogen Sulfide		DC-010	Welding Eye Shield Mandatory		PP-F01	Caustic Solution, Wear Gloves		DPP-G01
Hydrogen Flammable Gas		DC-011	Hard Hat, Safety Glasses, Shoes		PP-F02	Ammonia, Blindness, Lung, Death		DPP-G02
Compressed Air		DC-012	Safety Shoes Must Be Worn		PP-F03	Wear Gloves, Caustic Solution		DPP-G03
Carbon Dioxide		DC-013	Safety Glasses, Shoes, Hard Hats		PP-F04	Wear Goggles, Gloves, Chemicals		DPP-G04
120/208 Volts		DV-001	Safety Shoes Worn At All Times		PP-F05	Hard Hat, Eye Protection - Area		DPP-HH01
Volts		DV-002	Safety Shoes In This Area		PP-F06	Hard Hat, Goggles, This Area		DPP-HH02
110 Volts		DV-003	Steel Toe Cap In This Area		PP-G01	Hard Hat Protection Required		DPP-HH03
120 Volts		DV-004	Apron, Gloves, Eye, Acid		PP-G02	Hard Hats, This Area		DPP-HH04
277/480 Volts		DV-005	Do Not Move, Alter Scaffolding		PP-G03	Hard Hats, Safety Glasses		DPP-HH05
230 Volts		DV-006	Wear Gloves Caustic Soda		PP-G04	Hard Hat, Authorized Personnel		DPP-HH06
440 Volts		DV-007	Finger Hand Hazard		PP-G05	Respirator Required		DPP-R01
13,200 Volts		DV-008	Goggles, Gloves Chemical		PP-G06	Respirator Required - This Area		DPP-R02
120/240 Volts		DV-009	Corrosive, Acid Gloves, Goggles		PP-H01	Respirator Required - This Point		DPP-R03
480 Volts		DV-010	Hard Hat Area		PP-H02	Respirator While Spraying		DPP-R04
			Hard Hat, Glasses, Shoes			Wear Breathing Apparatus - Area		DPP-R05
						Wear Respirator While Spraying		DPP-R06



NOTICE - ANSI / OSHA / PPE	H	PRODUCT #	NOTICE - ANSI / OSHA / PPE	H	PRODUCT #	NOTICE - ANSI / OSHA / PPE	H	PRODUCT #
On Road Diesel Fuel Only		N-01	Employees, Visitors Eye Protection		PPE-Y01	Wear Ear Protection		NPP-EY03
Waste Oil		N-02	Personnel Wear Glasses		PPE-Y02	Eye, Hearing Protection Required		NPP-EY04
Label All Drums		N-03	Chemical Goggles Worn		PPE-Y03	Eye, Hearing Protection Required		NPP-EY05
Diesel Fuel No Smoking		N-04	Eye Protection Must be Worn		PPE-Y04	High Noise Level Area		NPP-EY06
No Chemical In This Area		N-05	Eye Protection Required		PPE-Y05	Chemical Goggles Required		NPP-EY07
Diesel		N-06	Ear Protection This Area		PPE-Y06	Do Not Enter, Eye Protection		NPP-EY08
Oxygen In Use		N-07	Hard Hat, Eye Protection		PPE-Y07	Eye, Ear Protection Required		NPP-EY09
Fuel Off Road Use - Ground		N-08	Hard Hat, Safety Glasses		PPE-Y08	Safety Glasses At All Times		NPP-EY10
All Drums Must Be Grounded		N-09	Hard Hats, Safety Glasses		PPE-Y09	Face Shield Must Be Worn		NPP-EY11
Diesel Fuel		N-10	No Goggles, No Work		PPE-Y10	Face Shield Area		NPP-EY12
Lithium Battery Waste		N-11	Safety Glasses And Shoes		PPE-Y11	Safety Glasses, Shoes, H/Hats		NPP-F01
Waste Solvent		N-12	Ear Protection Must Be Worn		PPE-A01	Safety Shoes, This Area		NPP-F02
Used Oil		N-13	Ear Protection Required		PPE-A02	Safety Shoes, Used All Times		NPP-F03
Drums Must Be Labeled		N-14	Must Wear Ear Protection		PPE-A03	Safety Shoes - This Area		NPP-F04
Goggles Worn Beyond This Point		N-15	Operator Wear Ear Protection		PPE-A04	Steel Toe Shoes - This Area		NPP-F05
FDA Material Storage Only		N-16	Ear Plugs, Goggles, Mask		PPE-A05	Do Not Enter, Safety Equipment		NPP-GE01
No Access To Pregnant Workers		N-17	Glasses, Shoes, Hard Hat		NPP-F01	Follow Protection Guidelines		NPP-GE02
Hazardous Waste Storage Area		N-18	Safety Shoes Required		NPP-F02	Hart Hats, Fall Protection		NPP-GE03
Facility Uses Chem Cause Cancer		N-19	Safety Shoes Must Be Worn		NPP-F03	Personal Protection This Area		NPP-GE04
# 2 Diesel Fuel		N-20	Safety Shoes Must Be Worn		NPP-F04	Safety Belt & Line Required		NPP-GE05
On Road Diesel		N-21	Steel Toe Shoes This Area		NPP-F05	Hard Hats, Fall Protection		NPP-GE06
Diesel		N-22	Do Not Enter, Safety Equip		NPP-GE01	Goggles, Shield, Gloves, Apron		NPP-G01
Used Oil Storage Area		N-23	Follow Fall Protection		NPP-GE02	Chemicals Shield, Gloves, Apron		NPP-G02
Face Shield, Gloves, Aprons		N-24	Personnel Protection Required		NPP-GE03	Goggles, Shield, Gloves, Apron		NPP-G03
Chain All Cylinders Securely		N-25	Use Safety Belt & Line		NPP-GE04	Chemicals Shield, Gloves, Apron		NPP-G04
Empty Cylinders		N-26	Safety Belts & Life Lines		NPP-GE05	Employees Wear Hard Hats		NPP-HH01
Full Cylinders		N-27	Hard Hats, Fall Protection		NPP-GE06	Hard Hat, Eye Protection, Area		NPP-HH02
Main Gas Shut Off		N-28	Employers Wear Hard Hats		NPP-HH01	Hard Hat, Safety Glasses, Area		NPP-HH03
Keep Cylinders Chained		N-29	Hard Hat, Eye Protection		NPP-HH02	Hard Hat Area		NPP-HH04
Keep Cylinders Upright & Chained		N-30	Hard Hats Required This Area		NPP-HH03	No Admittance, H/Hat, Eye		NPP-HH05
Store Empty Gas Cylinders Here		N-31	Hard Hats, Fall Protection		NPP-HH04	Safety Glasses & Hard Hats		NPP-HH06
Store Full Gas Cylinders Here		N-32	Safety Glasses, Hard Hats		NPP-HH05	Safety Glasses & Shoes, Area		NPP-HH07
Compressed Air Tanks Secure		N-33	Safety Glasses & Shoes		NPP-HH06	Safety Glasses, Shoes, H/Hats		NPP-HH08
Oxygen In Use		N-34	Ear Plugs Must be Worn		NPP-EA01	Breathing Air - Emergency Use		NPP-R01
Ensure Exhaust Systems Operation		N-35	Ear Protection Area		NPP-EA02	Clean, Store Respirator		NPP-R02
FDA Material Storage Only		N-36	Ear Protection Must be Worn		NPP-EA03	Follow Instructions, Respirator		NPP-R03
Empty Drum Storage		N-37	Ear Protection, Beyond This Point		NPP-EA04	Respirators Must be Worn, Area		NPP-R04
Drums In Area Must Be Grounded		N-38	Hearing Protection Must Be Worn		NPP-EY01	Ear Plugs, Goggles, Mask		NPP-R05
This Is A Static Free Work Area		N-39	Ear Protection Required - Hours		NPP-EY02			



# CHOOSING THE RIGHT ONE: SURVIVAL EQUIPMENT

Braidner Survival Kits was founded by Ted Braidner, an R.C.A.F. Instructor with the Armed Forces Survival School. Ted joined the R.C.A.F. and immediately became involved in search and rescue work. In August of 2015, Braidner Survival Kits (1990) Ltd. joined their Emergency Preparedness and Aircraft Survival Kits Manufacturing and Supply Chain with Survitec to produce next generation solutions. All of our survival equipment and supplies are designed and carefully manufactured to the same quality standards maintained by Survitec worldwide, upholding the legacy of Braidner Survival Kits through a comprehensive offering for aviation, marine, oil & gas and defense markets.

For the consumer market, every household needs an emergency plan. It will help you and your family know what to do in an emergency - and it only takes 20 minutes. Make the plan part of your emergency kit. Safety experts offer some of these recommendations for ways to help stay safe in an emergency:



### POWER OUTAGES

Check if the power outage is limited to your home, and if your neighbors have power, check your circuit breakers

If your neighbors' power is also out, contact your utilities company then turn off all tools, appliances, electronics, and all but one light inside and outside

Use your thermostat to turn off heating or air conditioning and avoid opening your freezer or refrigerator

Do not use barbeques, camping heating equipment, or home generators indoors because they can produce dangerous levels of carbon monoxide

Monitor a crank or battery-powered radio and online for weather warning and instructions from authorities

If possible, use a battery or crank-powered light source

If you must use candles, use proper candle holders

Never leave lit candles unattended and always extinguish candles before sleeping

When power returns turn heating or air conditioning back on first, then wait at least 10 minutes before reconnecting everything else

If a freezer door has been kept closed, food should stay frozen for 24-36 hours

However, food contaminated with bacteria does not necessarily smell or look spoiled so if in doubt, throw it out

### EARTHQUAKES

If you are inside, as soon as you feel shaking, DROP down, crawl under furniture, COVER your head & neck, HOLD ON to the object you are under to stay covered

Stay away from windows and shelves with heavy objects

If you can't go under something strong, crouch or flatten yourself against an interior wall

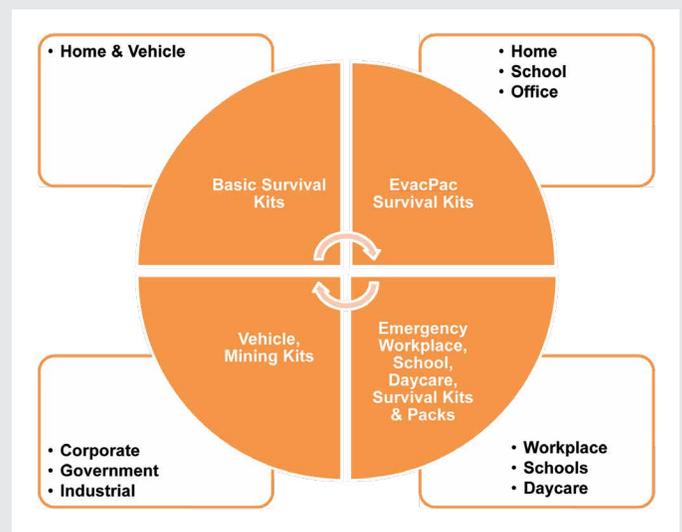
If you are in a wheelchair, lock the wheels and protect the back of your head and neck

If you are in bed, stay there and protect your head with a pillow, unless you are below a heavy object that could fall on you and thus should move to the nearest safe area

If you are in a building, stay inside.

If you are in an elevator, hit the buttons for every floor and get out as soon as you can

BRAND	DESCRIPTION
	The Cyalume brand is applicable to the light sticks and emergency illumination solutions in this section.
	The Survitec product brand is applicable to first aid kits and other PPE solutions in this section.



## GRAB 'N GO INDIVIDUAL AND RESIDENT SURVIVAL PACKS

Small and lightweight so they can be carried or stowed anywhere, including slipping it into a backpack or having at your workstation

Contains all the basic essentials for short term survival in the event of an emergency, so you can stay alive and be found as quickly as possible

Resident pack is especially suitable for seniors, or persons with a disability who are living in a care facility, containing emergency supplies, some basic hygiene protection, room for small personal items and as a means of identification



Individual 2 Day    Individual 3 Day    Resident 3 Day

## BASIC EMERGENCY KITS

These kits are a great compact solution that easily transfers to your vehicle, if there is a sudden need to evacuate your home due to an emergency

First Aid packet contains 3 x 0.75" Bandage (12 qty), 3 x 3" gauze (2 qty) and Wet Naps (3 qty)



V BASIC EMERGENCY KIT CONTENTS	# PERSONS				
	1	2	3	4	5
Light Sticks (12 hr.)	2	2	3	4	5
Emergency Blanket	1	2	3	4	5
Garbage Bags w/Ties (26x36")	2	2	3	4	5
Coreless Toilet Paper	1	2	3	4	5
Emergency Whistle (SOLAS)	1	1	1	1	1
Box of Waterproof Matches	1	1	2	2	3
First Aid Packet (50 items)	1	1	2	2	3
Food Ration 3/day 3600 Kcal / 5yr		N/A	2	4	6
Water Pouches / 4oz / 5yr	9	24	36	48	60
Nylon Bag w/ Zipper / Carry Strap	1	1	1	1	1
<b>PRODUCT #</b>	<b>DSKKE02-00</b>	<b>101</b>	<b>102</b>	<b>103</b>	<b>104</b>



V SURVIVAL PACK KIT CONTENTS	INDIVIDUAL		RESIDENT
	2 DAYS	3 DAYS	3 DAYS
Lightsticks (12 hr, green)	2	2	1
Emergency Blanket (foil)	1	1	1
Emergency Lifesaver Whistle	1	1	1
Box of Waterproof Matches	1	1	1
Ration Block 3/day/2400 Kcal/5yr	1	N/A	N/A
Ration Block 3/day/3600 Kcal/5yr	N/A	1	1
Emergency Water / 4oz Pouch	9	9	12
LED Flashlight (takes 2 AA)	N/A	N/A	1
Zip First Aid Packet	N/A	N/A	1
Dust Mask N95 rating	N/A	N/A	1
Coreless Toilet Tissue (140 sheets)	N/A	N/A	1
Garbage Bag (26x36, black)	N/A	N/A	1
Equipment Bag (Heavy Duty Zip-Lock)	1	1	1
<b>PRODUCT #</b>	<b>DSKKE01-00</b>	<b>103</b>	<b>101</b>

## EVACPAC EMERGENCY KITS

Emergency Preparedness Kits range from an Individual Survival Pack with 72 Hour Protection of Emergency Supplies, up to a Family's Home Emergency Survival Kit

If larger numbers of people in your family have multiple backpacks, this increases the ease of portability

The EvacPac Grab 'n' Go Emergency Survival Kit is our most popular kit in the event of an Earthquake

It is a compact solution that is easily transferred to your vehicle if there is ever a need to evacuate your home

All kits provide food, water, emergency supplies and basic First Aid supplies

You can easily make any of them a 72 hour kit by simply adding extra food and water depending on how many people you have



Starter EvacPac

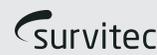


Premium EvacPac

## WORKPLACE EMERGENCY KIT

Survitec Workplace Emergency Kits are designed to provide comprehensive 72 hour workplace support for 1 to any number of staff and clients

Office, Workplace, or Care-center Kits include: First Aid Supplies (if required), Emergency Equipment, Hygiene Supplies, Search & Rescue Equipment, Food & Water Storage



OTHER SURVIVAL PACKS	PRODUCT #
Workplace Emergency Kit	Call

EVACPAC EMERGENCY KIT CONTENTS	STARTER KIT: # PERSONS						PREMIUM KIT: # PERSONS						
	1	2	3	4	5	6	1	2	3	4	5	6	
Light Sticks (12 Hr)	2	3	5	6	8	9	2	3	5	6	8	9	
Emergency Blanket	1	2	3	4	5	6	1	2	3	4	5	6	
Dynamo 5 LED NiMH FI w/AMFM	N/A						1	1	2	2	3	3	
Garbage Bags w/Ties (26x36")	1	2	3	4	5	6	1	2	3	4	5	6	
Coreless Toilet Paper	1	2	3	4	5	6	1	2	3	4	5	6	
Pealess Whistle (SOLAS)	1	2	3	4	5	6	1	2	3	4	5	6	
Army Knife (7 Functions)	1	1	2	2	3	3	1	1	2	2	3	3	
Dust Mask (N95 rating)	1	2	3	4	5	6	1	2	3	4	5	6	
Pair of Work Gloves (Leatherpalm)	1	2	3	4	5	6	1	2	3	4	5	6	
Duct Tape 50m, Cloth 4.8cm	N/A						1	1	1	1	1	1	
14 Func. Multi Tool	N/A						1	1	1	1	1	1	
Industrial Flashlight (req 2D)	1	1	2	2	3	3	N/A						
Batteries D Alkaline (dated)	2	2	4	4	6	6	N/A						
Box of Waterproof Matches	1	1	2	2	3	3	1	1	2	2	3	3	
Emergency Poncho	1	2	3	4	5	6	1	2	3	4	5	6	
Instant Cold Pack	1	2	3	4	5	6	1	2	3	4	5	6	
Hot Pack Hand Warmers	2	2	4	4	6	6	2	2	4	4	6	6	
Sanitary Napkins (unscented)	2	2	4	4	6	6	2	2	4	4	6	6	
First Aid Packet (50 items)	1	1	2	2	3	3	1	1	2	2	3	3	
Help / Ok Laminated Sign	N/A						1	1	2	2	3	3	
Earthquake Survival Manual	1	1	2	2	3	3	1	1	2	2	3	3	
Tube Tent 2.5 mil Poly 8' Length	N/A						1	1	2	2	3	3	
1/4" x 50' Poly Rope	N/A						1	1	2	2	3	3	
Ration Block 3/day 3600 Kcal/5 yr	1	2	3	4	5	6	1	2	3	4	5	6	
4oz Emergency Water Pouch	12	24	36	48	60	72	12	24	36	48	60	72	
Backpack (25L / 40 Denier)	1	1	2	2	3	3	N/A						
Backpack (35L / 40 Denier)	N/A						1	1	2	2	3	3	
<b>PRODUCT #</b>	<b>DSKKE06-00</b>	<b>101</b>	<b>102</b>	<b>103</b>	<b>104</b>	<b>105</b>	<b>106</b>	<b>112</b>	<b>113</b>	<b>114</b>	<b>115</b>	<b>116</b>	<b>117</b>

## BC PERSONAL, BASIC AND LEVEL 1 FIRST AID KITS

Every workplace is required to have at least one person trained in First Aid and CPR

The contents of each regulated kit are based on the number of employees in the workplace and the type of workplace, as required by each jurisdiction and the Canada Labour code

The BC Personal First Aid Kit is in compliance with Work Safe BC's Occupational Health & Safety Guidelines for First Aid Kits in the Work Place Section G3.14 to Section G3.20 and the First Aid Supplementary Materials



## CLASSROOM SURVIVAL PACKS - INDIVIDUAL / CLASSROOM

Emergency Survival Kits at school for students, teachers, and administrators is an essential part of maintaining a safe environment and an important part of an Emergency Preparedness plan

The individual pack is small, lightweight and easy to slip into a backpack or to at a desk, containing the essentials for short term survival

The classroom pack is a 72 Hour kit providing both piece-of-mind and safety at school during emergencies when students are forced to head outdoors for shelter, or when electricity is out



## CHILD AND DAYCARE KITS

Childcare and Daycare Emergency Preparedness Kits are based on Staff and Children populations, designed to accommodate a range of ages and conforming to the Vancouver Coastal Health's Emergency Supply recommendations for Childcare Facilities and Daycare Outlets across Lower Canada

Each Childcare kit is based on the number of children and Care-Workers giving the entire class 72 Hour protection.

Individual Student Comfort Kits are ideal for older Daycare or Childcare facility settings, where each child should have their own set of Emergency Supplies



Childcare Emergency Kit

Individual Student Comfort Kit



BC FIRST AID KITS	PERSONAL 1 PERSON	BASIC 2-10 PERSONS	LEVEL 1 10-49 PERSONS
Plastic Strip Bandage, 7.5 x 2cm	3	28	56
Fabric Strip Bandage, 7.5 x 2.2cm		3	6
Fabric Knuckle, Bandage, 7.5 x 3.75cm	1	3	6
Fabric Fingertip Bandage, 5 x 4.5cm	1	3	6
Fabric Patch Bandage, Large, 5 x 7.5cm	1	3	6
Mini Bandage, 4 x 1cm	-	5	10
Butterfly Closures, Medium	-	5	10
Gauze Pads, 10 x 10cm	-	6	12
Pressure Dressing, Elastic Ties, 10 x 15cm	1	2	4
Abdominal Pad, Sterile, 20 x 25cm	-	2	4
Triangular Bandage, c/w Pins, 94 x 94 x 130cm	-	4	6
White Crepe Bandage, 7.5cm x 4.5m	-	1	2
Cotton-Tipped Applicators, 7.5cm	-	25	25
BZK Antiseptic Towelettes	6	12	24
Hand Cleansing Towelettes	-	30	60
Cloth Tape, 2.5cm x 4.5m	-	1	1
Bandage Scissors, 14cm	-	1	1
Straight Splinter Forceps, 11.5cm	-	1	1
Assorted Safety Pins	-	12	12
CPR Compact Mask, O2 Inlet, Case, Insert	-	1	1
Disposable Nitrile Gloves, Large, 1 Pair/Bag	1	6	6
BC First Aid Instructional Card	1	1	1
First Aid Pocket Guide, Bilingual	-	1	1
Accident Record Book & Pencil	-	-	1
Nylon Bag, Belt Loop, 14.5 x 9.5 x 5.5cm	1	-	-
Nylon Rectangular Red Bag, 2 Pockets, 26 x 18 x 10cm	-	1	-
Nylon Rectangular Red Bag, 2 Pockets, 33 x 23.5 x 10cm	-	-	1
<b>PRODUCT #</b>	<b>DSKKFO</b>	<b>4-01101</b>	<b>5-01101</b> <b>6-01101</b>



OTHER SURVIVAL PACKS	PRODUCT #
School Survival Kit - Individual	Call
School Survival Kit - Classroom	Call
Childcare Emergency Kit	Call
Individual Student Comfort Kit	Call

## MARINE SURVIVAL PACK SUPPLEMENT

A helpful kit of key safety supplies to augment your current kit contents



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V	MAS-SP MARINE SURVIVAL PACK SUPPLEMENT 1	QTY
	Pyrotechnic HD Flare CCG/USCG, PW	2
	A Guide To Marine Survival	1
	Classic Scouting Compass	1
	Radar Reflector	1
	Air Sickness Bag	2
	Anti Seasick Tablet (60's)	1
	Card, Signal, Rescue	1
	Manual Bilge Pump	1
	Dry Bag	1
	<b>PRODUCT #</b> DSKM03-00	1SP

## MEDICAL PROFESSIONAL BURN KIT

Consists of a bright red, easy to transport, soft emergency bag with practical first aid items that cool, sooth and moisturize skin to provide immediate first aid relief for minor burns and cuts

Includes Cool Blaze, a natural aloe base burn care product that is clear, odorless, effective and gentle



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V	MEDICAL PROFESSIONAL BURN KIT CONTENTS	QTY
	Self-Adherent Wrap, 5cm x 4.5m	2
	1/8oz Gel Packet, 6/Box	4
	4oz Gel, Squeeze Bottle	2
	5x15cm Burn Dressing	3
	10x10cm Burn Dressing	3
	20x20cm Burn Dressing	4
	30x30 cm Burn Dressing	2
	Nylon Bag	1
	<b>PRODUCT #</b> DSKED14-01	108

## AUTO SAFETY KIT

Critical resource for stranded motorists, especially if caught in unfavorable conditions

This kit includes basic tools such as jumper cables, food, water and much more

Can be stored in both subzero temperatures or extreme heat



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V	AUTO SAFETY KIT CONTENTS	QTY
	Large Nylon Pack	1
	2400 Calorie Food Rations	1
	125mL Water Pouches	4
	8 Hour Light Stick	1
	Reflective Blanket	1
	Emergency Poncho	1
	Emergency Candles	6
	Waterproof Matches (box of 40)	1
	5-in-1 Survival Whistle	1
	Pair of Work Gloves	1
	12V Work Light	1
	53 Piece First Aid Kit	1
	10 Pack of Tissue	1
	Multi-tool Knife	1
	Jumper Cables	1
	Ice Scraper	1
	Emergency Triangle	1
	Tow Rope	1
	<b>PRODUCT #</b> DSKKV03-17	001

## COMPACT AUTO SURVIVAL KIT

Easy to transport kit designed to provide basic survival and first aid items while traveling in your car

It also contains the T3 Tactical Auto Rescue Tool which can be attached to the passenger sun visor



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PRODUCT	V	PRODUCT #
Compact Auto Survival Kit		Call

## OFFSHORE PERSONAL SAFETY KITS

Designed for oil & gas professionals who are traveling or stationed offshore to use during a hazard event

Provides crucial tools so personnel may function despite potential toxic, smoke-filled environments and facilitate successful evacuation

Wearers in smoke-filled environments have a far greater chance of egressing to a place of safety with the 15 min breathing air smoke hood

A battery-free torch is included to illuminate a safe egress route in a smoke filled environment, together with a pair of Nomex/Kevlar gloves to safely negotiate hot spots and sharp objects

Both kits can be used to provide protection to an employee and their family, are easily portable for carrying from home to work each rotation, and should be stowed in the user's bunk for immediate access in the event of a major hazard event

The Offshore Hazard kit includes a Type I lifejacket, making stowing an additional PFD unnecessary

With the exception of the smoke hood which must be retained in its packaging until immediate use, other kit contents should be removed from their packaging upon purchase and then replaced into kit (not left until the emergency event happens)

Each component within the safety kits have been tested to meet all applicable requirements for offshore personnel use



COMPONENT	DESCRIPTION	H	Offshore Survival Kit	Offshore Hazard Kit
	<b>IMO Yellow Waterproof Carry Case</b> This kit is provided with a high quality impact resistant waterproof IMO yellow carry case rated for use up to 100ft of water. The box is supplied with a purge valve for pressure equalization.		Enclosed	N/A
	<b>Hazard Red Water-Resistant Carry Case</b> Has clear vinyl front and shoulder straps for ease of transportation. It is big enough for the individual to add a few personal items after the survival kit items are removed from their individual packaging.		N/A	Enclosed
	<b>Personal Smoke Hood - 15 Minutes Of Breathing Air</b> Our personal evacuation mask is tested, approved and certified in accordance with European Standard EN 403:1993-Sat to provide at least 15 minutes protection against poisonous gases such as the dangerous carbon monoxide. Appropriate for single use only		Enclosed	Enclosed
	<b>Fire Safe Gloves - To Protect Against Glass And Heat</b> These Nomex flight gloves are gauntlet style, constructed to US Mil Spec G-81188B and are the same type used by military pilots. They combine 9oz flame-retardant Nomex fiber on the back panels with a soft leather on the palms and finger areas. The Nomex fiber makes them highly heat and fire resistant to 700 degrees Celsius.		Enclosed	Enclosed
	<b>Battery-free Mechanical Torch For Low Light Conditions</b> Environmentally-friendly and provides a built-in high-efficient generator for the light LED. Can also be used for illumination at home, in automobile and during camping operations.		Enclosed	Enclosed
	<b>Set Of Laminated Product Flash Cards To Familiarize Yourself With The Enclosed Equipment</b> Included in your Code Red survival kits are a set of product flash cards. These cards are laminated for use in wet or other adverse conditions and provide the user with a description of the safety item.		Enclosed	Enclosed
	<b>USCG Approved Type I Lifejacket</b> Included in your survival kit is a USCG Type I life vest that meets the requirements of recreational and most commercial vessels, has SOLAS-grade reflective panels, and provides a minimum of 22 lbs. of buoyancy.		N/A	Enclosed
			<b>PRODUCT #</b>	<b>PRODUCT #</b>
			RSSUS-CR-SK0110S	RSSUS-CR-SK0120S

## FOOD RATIONS

Emergency food rations, heat sealed in a vapor-proof barrier flexible pouch

Manufactured in accordance with military specification MIL-B-131F

5 year storage life

Comes in three sizes: 2,000 KCAL pack (4 bars, 14 oz./396g); 2,400 KCAL pack (6 bars, 16.7 oz./475g); or 3,600 KCAL pack

Also available in case and pallet quantities



## WATER RATIONS

Light, individual use pouches are air-tight and light-tight for maximum freshness up to 5 years

Unit quantity = 1 sanchet, which contains overwrapped 12 bags of 4.25 oz / 125 mL purified drinking water each

Available in unit, case (8 sanchets) and pallet quantities



## LIFERAFT FIRST AID KIT

Comes in a transparent 7x9x3" zip pouch and contains adhesive bandages, gauze compress, 4" gauze bandage, 4" bandage compress, ammonia inhalants, eye dressing packs, wire splint, aspirin tablets, 2" bandage compresses, triangular bandage, eye washes, tourniquet



## LIFE BOAT FIRST AID KIT

Comes in a 10.5x10.5x3.5" heavy-duty plastic container with a water-tight O-ring and contains adhesive bandages, large gauze compress, 4" gauze bandage, 4" bandage compress, burn creams, 2" bandage compress, eye washes



## FISHING KIT

Packed in vapor-proof barrier flexible pouch

Manufactured in accordance with military specification MIL-B-131F

Includes hooks, lines, flies, spoons, spinners and survival fishing instructions



## WRIST T-CUFFS

Neoprene forearm covers designed to keep the arms of personnel warm when they are processing cold fish



## ANTI-SEASICK TABLETS

Packaged in individually heat-sealed cellophane strip packs with 12 pills per strip

Each package comes with instructions and is individually dated as required by the U.S. Food and Drug Administration



## WHISTLE

Powerful, dual-tone audible signal device

Flat design meeting USCG/SOLAS requirements

Complete with 15 inch lanyard



## JACK KNIFE WITH CAN OPENER

Handles are extremely tough delrin plastic

Adjustable lanyard loop / security closure

72" cotton lanyard

Lining made of brass



## THERMAL PROTECTIVE AID

Carries local approvals

Designed to keep you warm and protected from rain, wind and cold

Sized large enough to accommodate a person wearing a lifejacket



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PRODUCT	S	PRODUCT #
Anti-Seasick Tablets		50-364
Whistle (bulk pack)		WHISTLE-USCG
Jack Knife With Can Opener		50-802
Thermal Protective Aid		10-100-03
Liferaft First Aid Kit		50-8020
Life Boat First Aid Kit		50-181
Fishing Kit		50-182
Wrist T-Cuffs - Small		80-I-0214
Wrist T-Cuffs - Medium		80-I-0213
Wrist T-Cuffs - Large		80-I-0212
Wrist T-Cuffs - Extra Large		80-I-0211
Water Rations - Unit		10-REV022W
Water Rations - Case		10-REV022W-C
Water Rations - Pallet		10-REV022W-P
Water Rations - Unit	V	DRA03001
3600 KCal Food Rations - Unit		DRA03003
2,000 KCal Food Rations	S	Call
2,400 KCal Food Rations - Unit		10-REV022
2,400 KCal Food Rations - Case		10-REV022-C
2,400 KCal Food Rations - Pallet		10-REV022-P
3,600 KCal Food Rations		10-REV021

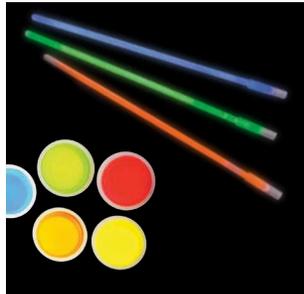
## CHEMLIGHT SAFETY LIGHTS

Made in the USA standards for the highest reliability and durability

Individually foiled wrapped in each case

\*Infrared (IR) products may not be exported from the U.S. without a valid export license for such products, issued by the US Department of State and will ONLY be sold to Military and Law Enforcement customers

Lead time of 30 business days for 2" and 3" ChemLight mini



## ACCESSORIES

The right accessory makes our chemical light sticks even more effective for applications such as directing traffic, adjusting the right amount of light, or even having both hands free



Surface Trip Flare    Shield    Cone Adapter    Magnetic Base    Handle



PRODUCT	CASE WEIGHT	CASE DIMENSIONS	M	PRODUCT #
Surface Trip Flare x 50	13.00 lbs	9x6x2"		9-29370PF
Shield for 6" (each)	0.06 lbs	Varies		9-06370
Cone Adapters x 25	3.00 lbs	10x10x9"		9-27103
Magnetic Base x 25	5.00 lbs	9x7x4"		9-33460
Traffic Handle x 25	3.80 lbs	10x8x6"		9-33450

PRODUCT	CASE DETAILS	COLOR	DURATION	M	PRODUCT #
1.5" ChemLight Mini (Type A)	Qty/Case: 50 pieces Dimensions: 7x4x3" Weight: 0.50 lbs	Green	4 Hours		9-44340PF
		Yellow	4 Hours		9-44350PF
		Blue	4 Hours		9-44360PF
		Light Red	4 Hours		9-86000PF
		Infrared	3 Hours		9-03640PF*
2" ChemLight Mini (Type C)	Qty/Case: 50 pieces Dimensions: 6x4x3" Weight: 0.50 lbs	Yellow	4 Hours		9-28690PF
		Green	4 Hours		9-28710PF
3" ChemLight Mini (Type D)	Qty/Case: 25 pieces Dimensions: 4x4x3" Weight: 0.20 lbs	Yellow	4 Hours		9-28700PF
3" ChemLight LightShape Circles	Qty/Case: 10 pieces Dimensions: 6x4x4" Weight: 0.50 lbs	Blue	4 Hour		9-42700PF
		Yellow	4 Hour		9-42710PF
		Red	4 Hour		9-42720PF
		Orange	4 Hour		9-42730PF
		Green	4 Hour		9-50860PF
		Infrared	3 Hour		9-50850PF*
		Infrared	8 Hour		9-17050PF*
4" ChemLight	Qty/Case: 100 pieces Dimensions: 10x8x6" Weight: 3.00 lbs	Green	6 Hour		9-74780
		Orange	6 Hour		9-76300
		Infrared	8 Hour		9-17100PF*
6" ChemLight	Qty/Case: 10 pieces Dimensions: 10x5x2" Weight: 0.60 lbs	Green	12 Hour		9-42290
		Yellow	12 Hour		9-01360
		Yellow-HI	30 Min		9-42300
		Blue	8 Hour		9-55600
		Red	12 Hour		9-55590
		Red-HI	30 Min		9-86010
		Orange	12 Hour		9-97530
		Orange-HI	5 Min		9-03630
		White	8 Hour		9-51460
		White-HI	30 Min		9-03680
		Infrared	3 Hour		9-97520PF*
		Infrared	8 Hour		9-17040PF*
		Green	12 Hour		9-27017
		Yellow	12 Hour		9-27020
		Yellow-HI	30 Min		9-27061
		Blue	8 Hour		9-27077
		Red	12 Hour		9-27054
		Red-HI	30 Min		9-27063
		Orange	12 Hour		9-27019
		Orange-HI	5 Min		9-27022
White	8 Hour		9-27078		
White-HI	30 Min		9-27021		
10" ChemLight Self-standing Light Baton	Qty/Case: 6 pieces Dimensions: 13x4x3" Weight: 1.6-1.4 lbs	Orange w/ Tripod	2 Hour		9-71250PF
		Yellow	2 Hour		9-71260PF
15" ChemLight with end ring	Qty/Tube: 5 pieces Dimensions: 18x4x4" Weight: 2.00 lbs	Green	12 Hour		9-03620
		Yellow	12 Hour		9-06130
		Blue	8 Hour		9-06140
		Red	12 Hour		9-06120
		White	8 Hour		9-03670
		Infrared	3 Hour		9-03660PF*
		Infrared	8 Hour		9-17080PF*
15" ChemLight IMPACT with 2 end rings	Qty/Case: 4 pk x 5 pieces Dimensions: 17x7x8" Weight: 6.50 lbs	Green	12 Hour		9-87090PF
		Yellow	12 Hour		9-87110PF
		Blue	8 Hour		9-87100PF
		Red	12 Hour		9-87120PF
		Orange-HI	5 Min		9-87150PF
		White	8 Hour		9-87130PF
		Infrared	3 Hour		9-87140PF*

## SNAPLIGHT

Industrial grade and made in the USA  
 Non-toxic and non-flammable chemistry  
 Lasts for 12 Hours  
 Individually foil wrapped  
 5 Year shelf life



## VISPAD ID & MARKING EMITTER

Ideal for triage and medical casualty situations  
 Front surface can be easily written on and adhesive back makes it easy to adhere to clothing



## PERSONAL MARKER LIGHT (PML)

Minimum order quantity of 40 cases



## S.O.S.

Lead time of 30 business days



PRODUCT	CONTAINER DETAILS	COLOR	DURATION	M	PRODUCT #
6" SnapLight	Qty/Case: 10 pk x 10 pieces Dimensions: 9.75x9.75x8.75" Weight: 6.75 lbs	Green	12 Hrs	M	9-08001
		Yellow	12 Hrs		9-08004
		Yellow-HI	30 Mins		9-08010
		White	8 Hrs		9-08006
		White-HI	30 Mins		9-08017
		Blue	8 Hrs		9-08003
		Red	12 Hrs		9-08002
		Red-HI	30 Mins		9-08007
		Orange	12 Hrs		9-08005
		Green	12 Hrs		9-08011
	Yellow	12 Hrs	9-08014		
	Yellow-HI	30 Mins	9-08087		
	White	8 Hrs	9-08016		
	White-HI	30 Mins	9-08093		
	Blue	8 Hrs	9-08013		
	Red	12 Hrs	9-08012		
	Red-HI	30 Mins	9-08089		
	Orange	12 Hrs	9-08015		
	Qty/Case: 500 pieces Dimensions: 19x15x11" Weight: 28.50 lbs	Green	12 Hrs		9-08011
		Yellow	12 Hrs		9-08014
Yellow-HI		30 Mins	9-08087		
White		8 Hrs	9-08016		
White-HI		30 Mins	9-08093		
Blue		8 Hrs	9-08013		
Red		12 Hrs	9-08012		
Red-HI		30 Mins	9-08089		
Orange		12 Hrs	9-08015		
7.5" FlexBands		Qty/Case: Varies Dimensions: 11x6x4" Weight: 1.20 lbs	Green	4-6 Hrs	9-85990PF
	Blue		4-6 Hrs	9-85980PF	
	Light Red		4-6 Hrs	9-85960PF	
	Orange		4-6 Hrs	9-85970PF	
	Infrared		3 Hrs	9-03650PF*	
8" SnapLight (with attached stand and reflective band)	Qty/Case: 4 pk x 12 pieces Dimensions: 12.50x8x6" Weight: 10.00 lbs	Ultra Orange	30 Mins	9-27035	
10" SnapLight (with bi-pod)	Qty/Case: 4 pk x 10 pieces Dimensions: 12.50x8x6" Weight: 7.5 lbs	Green	2 Hrs	9-27049	
		Yellow	2 Hrs	9-27030	
		Red	2 Hrs	9-27047	
12" SnapLight	Qty/Case: 25 pieces Dimensions: 17x16.375x7.50" Weight: 6.28 lbs	Green	12 Hrs	9-2705101	
VisiPad ID & Marking Emitter	Qty/Case: 25 pieces Dimensions: 6x4x4" Weight: 0.60 lbs	Green	10 Hrs	9-27601	
		Red	10 Hrs	9-27611	
		Yellow	10 Hrs	9-27631	
		Blue	10 Hrs	9-27641	
		Orange	10 Hrs	9-27651	
		Infrared	8 Hrs	9-27621*	
Personnel Marker Light (PML)	Qty/Case: 50 pieces Dimensions: 15x12x6" Weight: 8.20 lbs	Green, Single	8 Hrs	9-80770PF	
	Qty/Case: 50 pieces Dimensions: 10.75x16.75x11.25" Weight: 13.00 lbs	Green, Dual	8 Hrs	9-27060	
S.O.S.	Qty/Case: 50 pieces Dimensions: 12x7x6" Weight: 5.40 lbs	Green	8 Hrs	9-42740PF	
		Orange-HI	5 Mins	9-68260PF	
		Infrared	8 Hrs	9-42741PF*	

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## LIGHTSTATION

Provides personal, portable and disposable emergency light

Can be installed near exits for safer evacuations

Hours of useful and effective 360° light

Made of industrial strength plastic or blast-resistant steel

Available with 10 inch snaplights holding quantities of 2, 4 or 20



## S.E.E. SYSTEM

10 pack system

Lead time of 15 business days



PRODUCT	UNIT QUANTITY	CONTENTS	DIMENSIONS / WEIGHT	M	PRODUCT #
S.E.E. System - yellow	Case	10pk system with twenty-two 6" yellow-HI ChemLights, mounting hardware, tamper pins	14x10x10" / 7.4 lbs		9-08500
S.E.E. Sytem Refill (yellow)	Case	Ten 6" yellow-HI ChemLights, expiration labels, replacement tamper pins	10x5x2" / 0.6 lbs		9-08505
Lightstation - Model 4	Each	Four 10" yellow SnapLights, 4 tamper pins, 2 expiration labels	13x6x4" / 5.0 lbs		9-00380
	Each	Eight 10" yellow SnapLights, 6 tamper pins, 2 expiration labels	13x6x4" / 5.0 lbs		9-00383
	Each	Refill kit of twelve 10" yellow SnapLights, 8 tamper pins, 4 expiration labels	13x8.50x6" / 3.0 lbs		9-00376
	Case of 6	Empty (Model 4 container only)	17x6.25x7.25" / 17.0 lbs		9-00373
Lightstation - Model 10	Each	Ten 10" yellow SnapLights, 4 tamper pins, 2 expiration labels	15.375x12.50x6.375" / 9.0 lbs		9-00381
	Each	Twenty 10" yellow SnapLights, 6 tamper pins, 2 expiration labels	15.375x12.50x6.375" / 11.0 lbs		9-00385
	Case of 4	Empty (Model 10 container only)	12.25x6.625x15.125" / 28.5 lbs		9-00375
Lightstation - Model 20	Each	Twenty 10" yellow SnapLights, 4 tamper pins, 2 expiration labels, 2 tie out tags	19.375x15.375x6.375" / 7.0 lbs		9-00382
	Each	40 each 10" yellow SnapLights, 6 tamper pins, 2 expiration labels, 2 tie out tags	19.375x15.375x6.375" / 10.0 lbs		9-00386
	Each	Refill kit of forty 10" yellow SnapLights, 24 tamper pins, 16 expiration labels, 12 tie out tags	13x8.50x6" / 8.0 lbs		9-00387
	Case of 4	Empty (Model 20 container only)	18.75x14.25x12" / 13.0 lbs		9-00364
Tamper Pins	Bag of 25		Varies / 0.75 lbs		9-00354

## CYFLECT

Flat, reflective solutions that enable safer evacuations through darkness, fog and smoke, even retaining reflective properties when wet

Honeycomb tape available in sew-on version for apparel and adhesive version for equipment or facilities on steps, stairs, doorways and exit routes



PT Belts

Honeycomb tape

Signs

## TOTAL IR

Non-toxic infrared powder

Helps detect intrusion in restricted areas and shows direction taken

IR emissions lasts 3-7 days



## DYNAMO 5-LED NIMH FLASHLIGHT WITH RADIO



Dynamo 5-LED NiMH Flashlight with AM/FM Radio

Useful tool for anyone who might be left in darkness

Easily transportable in your car or pocket

## LIGHT STICK

Useful tool when you are in darkness

Easy to transport in your car or pocket



## DYNAMO / SOLAR RADIO



Dynamo/Solar AM/FM Weather Radio with 5-LED Flashlight

Includes USB port for charging cell phones

Operates by 5 Power Sources: Dynamo, Solar, Batteries, AC Adapter

## WATERPROOF FLASHLIGHT

3 LED flashlight that is waterproof to 33'

Powered by solar or dynamo hand crank (no batteries required)



## ADDITIONAL SUPPLIES

We carry a wide variety of survival items including candles, gloves, knives, matches and many more items not listed here



PRODUCT	NOTES	M	PRODUCT #
Cyflect 1.5" x 5' Honeycomb Tape	Adhesive		9-30014
Cyflect 1" x 150' Honeycomb Tape	Sew-On		9-30007
	Adhesive		9-30006
Cyflect 1.5" x 150' Honeycomb Tape	Sew-On		9-30008
	Adhesive		9-30011
Cyflect 2" x 150' Honeycomb Tape	Sew-On		9-30009
	Adhesive		9-30012
	White (no square)		9-3012507
	White		9-3012509
Cyflect PT Belt (2x5.5") with 2x2" velcro square to hold rank patch	Red		9-3012509R
	Orange		9-3012509O
	Yellow		9-3012509Y
	Green		9-3012509G
	Blue		9-3012509B
Cyflect EXIT	Adhesive Sign		9-30070
Cyflect FIRE EXTINGUISHER	Adhesive Sign		9-30071
Tag, Track, Locate Powder (ToTaL IR) 50g bag	Brown		9-42013*
	Loam		9-42015*
Tag, Track, Locate Powder (ToTaL IR) 500g bag	Brown		9-42014*
	Loam		9-42016*

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PRODUCT	V	PRODUCT #
Dynamo 5-LED NIMH Flashlight with Radio		Call
Dynamo/Solar Radio		Call
Waterproof Flashlight		Call
Light Stick		Call
Additional Supplies		Call

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## AIRCRAFT SURVIVAL KITS

For Canadian rotary and fixed wing operations, we offer standard regulatory, arctic, and private owner basic, CARs Aircraft Survival Kits

For U.S. operations, we offer Alaska and Lower 48 regulated Aircraft Survival Kits, as well as combined Canadian and U.S. certified kits in one container

All Aircraft Survival Kits have a unique Serial Number and come complete in a waterproof, dust proof, indestructible hard case container with a limited warranty

Each Kit has one expiry date that is two years from the date of manufacture or last service by Survitec Technicians, and our database generates a recertification notice one month prior to expiry date

Each Kit meets the general CARS standards for aircraft emergency equipment as shown on the right

Please contact us for a quote for our Standard CARs, Arctic, Desert, Jungle or our NEW Combo Area Kits

## GENERAL CARS STANDARDS FOR AIRCRAFT EMERGENCY EQUIPMENT

Appropriate Survival Equipment is required and must be sufficient for the survival on the ground for each person on board. The Survival Kit must provide a means for starting a fire, providing shelter, providing or purifying water, and visually signalling distress. An A.O.S.H First Aid Kit must be on board. A list of survival equipment shall be carried on board with information on how to use it as appropriate for the operation. A survival manual appropriate for the season and climate shall be carried on board. Crew members shall be trained in accordance with CARs training regulations and standards for your operation. The overhaul interval for CARs Aircraft Survival Kits manufactured and serviced is 24 months from in-service date after purchase or last overhaul. Aircraft Survival Kits serviced by the operator after purchase are maintained according to the interval specified in the operations manual of the operator.



STANDARD CARS SURVIVAL KIT CONTENTS	# PERSONS					
	1	2	3	4	5	6
Ration Block (3/day/2400 Kcal/ 5yr)	2	4	6	8	10	12
Tea, Sugar and Creamer	2	4	6	8	10	12
Soup	2	4	6	8	10	12
Emergency Blanket	1	2	3	4	5	6
Emergency Candles (4 hour burn time)	3	3	3	3	3	3
Mess Tins (each)	1	1	1	1	1	1
Foil Cooking Container	1	2	3	4	5	6
Aluminium Foil (9')	1	1	1	1	1	1
Flagging Tape (1x26.25')	1	1	1	1	1	1
SOLAS USCG Strobe Light	1	1	1	1	1	1
D Alkaline Battery dated (each)	2	2	2	2	2	2
Insect Head Net without Hoops	1	2	2	2	2	2
Ben's Insect Repellent pump (37 ml)	1	1	1	1	1	1
Knife w/ Sheath Clipper 840	1	1	1	1	1	1
Pocket Saw Deluxe	1	1	1	1	1	1
Green Lightstick (12 hr duration)	2	2	2	2	2	2
Wind & Waterproof Matches Tube	1	1	1	1	1	1
Waterproof Matches (box of 40)	2	2	2	2	2	2
Orange Match Box	2	2	2	2	2	2
Flint Striker	1	1	1	1	1	1
Tinder (package of 10)	1	1	1	1	1	1
Metal Heilograph Mirror (4x5")	1	1	1	1	1	1
Braided Nylon Cord (25' long)	1	1	1	1	1	1
Braided Nylon Cord (50' long)	N/A	N/A	N/A	N/A	N/A	N/A
Sewing Kit	1	1	1	1	1	1
"The Way Out!" Survival Manual	1	1	1	1	1	1
Chlorine Dioxide Water Purification (30 tablets)	1	1	1	1	1	1
SOLAS Pealess Whistle	1	1	1	1	1	1
Coreless Toilet Paper (Individually Wrapped)	1	1	1	1	1	1
Tube Tent	1	1	1	N/A	N/A	N/A
Tarp (9x12')	N/A	N/A	N/A	1	1	1
Duracon White Soup Spoon	1	2	2	2	2	2
Pelican 1400 (O/D: 13.74 x 11.63 x 5.90")	1	1	1	N/A	N/A	N/A
Pelican 1450 (O/D: 16.00 x 13.00 x 7.00")	N/A	N/A	N/A	1	N/A	N/A
Pelican 1500 (O/D: 18.75 x 14.00 x 6.50")	N/A	N/A	N/A	N/A	1	1
Approximate Weight	11 lbs	15 lbs	18 lbs	21 lbs	24 lbs	27 lbs
PRODUCT #	FE 1A	FE 2A	FE 3A	FE 4A	FE 5A	FE 6A

## A.O.S.H. FIRST AID KITS

Type A, B and EMK kits come in hard containers but are also available in soft container

Contents of the first aid kit are defined by Section 602.60 as set out in Schedule II of Part X of the A.O.S.H. Regulations

Please contact us for a quote on any of our aircraft first aid kits



OPERATION	KIT TYPE	KIT MODEL
604 (Private Owner)	Type A or Type B	FA A2.0
702	Type A	FA A2.0
703 (1-9 Seats)	Type A	FA A2.0+
704 (10-19 Seats)	Type A	FA A2.0+
705 (20+ Seats)	Type B or EMK	FA A2.0+

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V A.O.S.H. FIRST AID KIT CONTENTS	A.O.S.H. ITEM #	TYPE A		TYPE B	
Antiseptic Alcohol Wipe Towlettes	1	10	10	10	10
Adhesive Bandage (1x3")	2	15	15	40	40
Adhesive Bandage (0.75x3")		15	15	40	40
Knuckle Dressing		5	5	10	10
Fingertip Dressing (Large)		3	3	6	6
Fingertip Dressing (Small)		2	2	4	4
Butterfly Closures		5	5	10	10
Triangular Bandages	3	2	2	4	4
Abdominal Pads (8x10")	5	2	2	4	4
Non-adherent Gauze Pads (4x4")	6	8	8	8	8
Forceps (SS / 11cm)	7	1	1	1	1
Vinyl Gloves (Disposable)	8	6	6	6	6
BSK Cleansing Towelettes	1	10	10	10	10
First Aid Guide, Record Book, Pencil		1	1	1	1
Universal Scissors	9	1	1	1	1
Adhesive Tape Roll (1 x 180")	10	2	2	2	2
Foil Emergency Blanket	11	1	1	1	1
Burn Dressing (4x4")	1	N/A	2	N/A	2
CPR Face Shield	2	N/A	2	N/A	2
Bloodborne Pathogen Kit	3 / 4	N/A	1	N/A	1
Dry Box / #110 (9x8x3.5") Crushproof, Dustproof, Waterproof Weighs approximately 3 lbs.	4	N/A	1	N/A	1
PRODUCT #		FA A2.0	FA A2.0+	Call	Call

# PARTNERING WITH THE WORLD'S NUMBER 1 SAFETY & SURVIVAL SOLUTIONS PROVIDER

As a Survitec customer, you not only have access to our incredible range of safety and survival solutions, you have access to experts in the industry. In addition to their primary roles within our organization, our staff serve on various boards and advisory panels to chart the course of future developments in the industry:



Survitec is an official member of the Passenger Vessel Association (PVA) and dedicated to promoting the interests and the economic well-being of U.S. passenger vessel owners and operators, while promoting safety and a secure maritime operating environment for passengers, crew and the public at-large.



Survitec is an official member of the National Marine Manufacturers Association (NMMA), participating in a wide variety of annual consumer boat shows.



Survitec is an official member of the United States Sailing Association, which promotes participation and access to sailing and develops education programs that support all facets of sailing including water skills, safety, instruction, coaching, officiating and high performance.

By working together, we can help increase safety, compliance and quality across our markets. We are proud to affiliate with these important and notable organizations, as well as many more throughout our regional and international markets:



We appreciate your business. In order to do business we need to set up your account, establish terms, get you a customer program and pricing. Our Sales Team listed below is the best in the business and comprised of industry veterans:

CONTACT NAME	CONTACT INFORMATION	TITLE/REGION/FOCUS
Andy Hiller	904-487-8440 • andy.hiller@survitecgroup.com	Regional Sales Manager: U.S. Recreational, U.S. NE and MW Commercial
Andy Millar	832-205-6076 • andy.millar@survitecgroup.com	Sales Director: Americas
Bobby Kirkley	604-805-2372 • bobby.kirkley@survitecgroup.com	Sales Representative: Aviation and Fire Safety
Brenda Knight	604-214-4276 • brenda.knight@survitecgroup.com	Administrator: Fire Safety Service
Dave Wasylyk	604-562-5801 • dave.wasylyk@survitecgroup.com	Service Supervisor/Manager: Air Sea
Elvis Fernandes	305-753-3788 • elvis.fernandes@survitecgroup.com	Account Manager: North America
Gary Ceeney	713-973-8777 • gary.ceeney@survitecgroup.com	Vice President: Oil & Gas Evacuation Systems
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Josko Hrabar	954-417-3495 • josko.hrabar@survitecgroup.com	Director of Business Development: Cruise
Justin Scholl	305-519-1600 • justin.scholl@survitecgroup.com	Key Account Manager
Ken White	709-728-6302 • ken.white@survitecgroup.com	Regional Sales Manager: Eastern Canada
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Tim Hazen	904-487-8444 • tim.hazen@survitecgroup.com	Regional Sales Manager: U.S. Southeast, Gulf Coast and Caribbean
T.J. Tracy	410-299-6724 • tj.tracy@survitecgroup.com	Vice President: United States
Wes Ambeau	604-278-3221 • wes.ambeau@survitecgroup.com	Administrator: Aviation and Survival Kits

# ONLINE RESOURCES

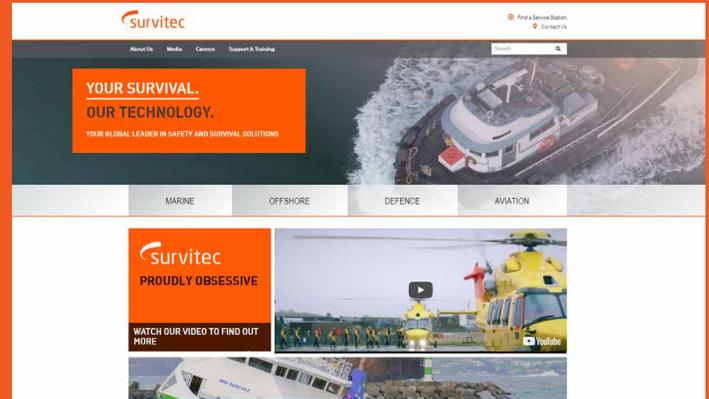
## GLOBAL PUBLIC WEBSITE

[www.survitecgroup.com](http://www.survitecgroup.com)

Survitec's new enterprise website covers everything we offer throughout the world, including the Americas

It includes many exciting features such as a responsive web design, streamlined interface, filtered queries, searchable maps and many other functional benefits

We welcome any feedback you have on navigation, content or other opportunities for improving your browsing experience



## SPARE PARTS ONLINE ORDERING WEBSITES

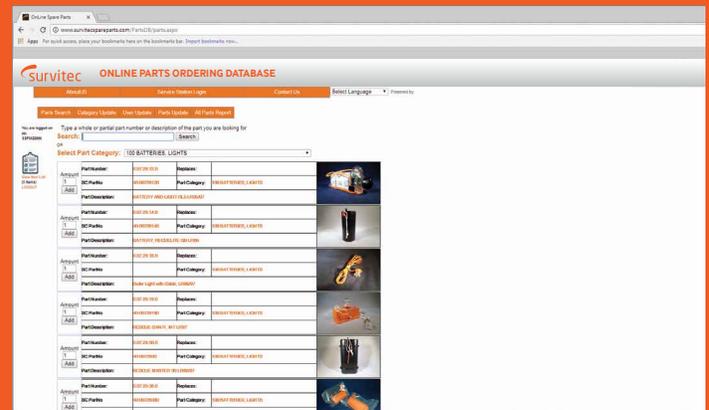
[www.survitecspareparts.com](http://www.survitecspareparts.com) (SSPI parts MKIV and legacy)

[www.dbcmarine.com](http://www.dbcmarine.com) (DBC and Zodiac & MKIV parts)

[www.surviteczodiac.com](http://www.surviteczodiac.com) (Zodiac & MKIV parts & zodiac manuals)

To streamline the ordering process for spare parts and service materials, Survitec has developed online sites where you can reference photographs, specifications, part numbers, then submit your order directly

A login is required, so please contact our Customer Service team in order to set-up your access to these resources



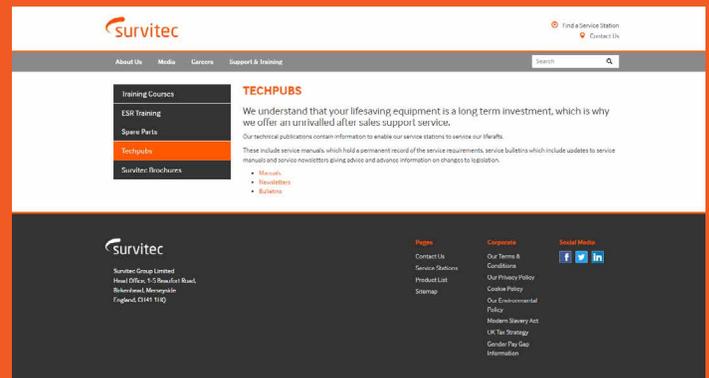
## TECH PUBS AND CERTIFICATES PORTALS

[www.survitecgroup.com/support-training/techpubs](http://www.survitecgroup.com/support-training/techpubs) (manuals)

[apps2.survitecgroup.com](http://apps2.survitecgroup.com) (manuals, certificates, approvals)

Survitec has websites that allow our service station customers quick and easy access to certificate information, as well as a place where you can order new certificates and host a wealth of technical publications which are available anytime

A login is required to access certificates, so please be sure to register so your access can be provided.



# TRAINING SAMPLES, LITERATURE & PRODUCT DONATIONS

We offer some non-operational “dummy” versions of products that may be ordered by customers in limited quantities for use in employee trainings, store or event display, and other purposes as discussed with your Sales Manager. To request support items listed below, include relevant part numbers and descriptions in your overall order of live or operational product to Customer Service.

Printed literature availability is subject to change without notice. Visit [www.survitecgroup.com](http://www.survitecgroup.com) and view the most up-to-date electronic versions of all our literature, including items not available in printed format.

	PRODUCT SUPPORT ITEM	PRODUCT #
PYROTECHNICS	Dummy - Pains Wessex Linethrower 250 Body	M30-50070
	Dummy - Pains Wessex Linethrower 250 Rocket	M30-50080
	Dummy - Pains Wessex Para Red Rocket	M30-50672
	Dummy - Pains Wessex Para White Rocket	Call
	Dummy - Pains Wessex Red Handflare	M30-52900
	Dummy - Pains Wessex White Handflare	M30-52751
	Dummy - Pains Wessex Lifesmoke	M30-53700
	Dummy - Personal Distress Signal Miniflare Kit	M30-55665
	Dummy - Pains Wessex Day/Night Signal	M30-55970
	Dummy - Pains Wessex Manoverboard	M30-53775
EMERGENCY BREATHING AND RESCUE	Fibreight BOB Training Dummy	LOG2070RED
	M-20.2T Maritime Training Package – DVD format	940005
	M-20.2T Training Model – 2 extra mouthpieces and no hood	940011
	M-20.2 EEBD Components Poster, A2 size	340011A2
	M-20.2 EEBD Components Poster, A3 size	340011A3
	M-20.2 EEBD Operating Instruction Poster, A2 size	340012A2
	M-20.2 EEBD Operating Instruction Poster, A3 size	340012A3
	M-20.2 EEBD Visual Inspection Poster, A2 size	340013A2
	M-20.2 EEBD Visual Inspection Poster, A3 size	340013A3
	M-20.2T Mouthpiece Assembly	643102
	M-20.2T Training Video – DVD format	940033
	M-20.2T Breathing Bag Assembly with screws	643031
	M-20.2T Trainer Neck Harness Assembly	643042
	M-20.2T Trainer Base Assembly	643012T
	M-20.2T Nose Clip Assembly	633033
	M-20.2T Band Assembly	330193
	M-20.2T “S” Hook	330192
	M-20.2T Mounting Kit - Mouthpiece	643040
	M-20.2T Activation Cable Kit	643041
	M-20.2 Sales Demonstration Unit – non-functional	930045
ELECTRONICS	Dummy - McMurdo Fast Find Max-G PLB	M10-85-886-001A
	Dummy - McMurdo Fast Find 220 PLB w/GPS	M10-91-001-220A
	Dummy - McMurdo Fast Find Ranger PLB	M10-85-520-005A
	Dummy - McMurdo EPIRB Breakthru HRU	M10-57501-DUMMY
	Dummy - McMurdo SmartFind + G5 EPIRB	M10-82-800-005A
	Dummy - McMurdo SmartFind + G5 EPIRB Auto Housing	M10-82-800-006A
	Dummy - McMurdo S4 Rescuer SART	M10-86-525-001
	Dummy - McMurdo SmartFind S5 AIS SART	M10-92-001-101A
	Dummy - McMurdo SmartFind S20 Unweighted	M98-002-013A
	Dummy - McMurdo SmartFind S10 Unweighted	M10-98-052-001A
Sample - McMurdo Grab Bag	M10-87-300	

LITERATURE ITEM	NOTE	PRODUCT #
Brochure - Survitec Americas Cruise	Bifold	M00-SCB0010A
Brochure - Survitec Americas Oil & Gas	Bifold	M00-SCB0011A
Brochure - Survitec Americas Commercial Marine	Bifold	M00-SCB0014A
Brochure - Survitec Americas Yacht Services	Bifold	M00-SCB0015A
Recreational Catalog - North America 5th Edition	16 Pages	M00-SCCLM05A
Catalog - Survitec Solutions Americas 1st Edition	100+ Pages	M00-SCCA001A

In addition to dummy products and literature Survitec may be able to offer donations of solutions for use in events and other public relations activities. To discuss your ideas and what is needed please contact your Sales Manager.

# SURVITEC SURVIVOR CLUB

Feedback from the survivors who have used our products in life-threatening situations is an extremely critical part of our product improvement process. In 2013, Survitec Americas introduced the Survitec Survivor Club to support individuals who had used our products to survive in an emergency. This policy provides replacement of certain products free-of-charge when they have been used in a life-threatening situation, have saved a life, AND have been properly documented with an appropriate regulating agency, such as the U.S. or Canadian Coast Guard authorities.

## Following a survival event, the process works as follows:

1. The Survivor contacts the distributor, dealer or service station from whom he or she purchased the applicable solution (electronics, liferafts, PFDs, immersion suits), and provides factual details such as product used, label, serial number, incident location, time, number of passengers, vessel type, equipment deployed, weather conditions, and any additional related information.
2. The Survivor must also provide the incident report from the appropriate regulating agency authority/search and rescue organization.
3. The distributor or dealer contacts the Survitec Sales Manager or Survitec Customer Service at the location from where they ordered the product (example: Sharon Center) to report the event and provide the specifics, beginning the replacement process.
4. When the requested information is in hand, Survitec will enact a free replacement to be sent directly to the Survivor or via the distributor.
5. The Survivor will also be recognized in a personal letter from the Survitec Vice President and Managing Director, Americas.
6. After the Survivor has been taken care of, Survitec Technical may contact them to learn more about the experience for product improvement.
7. After that is complete, Survitec Marketing may contact the Survivor to see if he or she can provide testimonials and photos that document his or her experience and depending on the circumstances, may request written permission to recognize the Survivor for his or her actions publicly through advertising or marketing materials both printed and online.

# CUSTOMER INCENTIVES

Survitec stands by our third-party distribution and service station partners throughout the Americas by offering programs and pricing so they can compete and win in their markets.

Instead of a traditional co-op we provide a range of incentives including promotions, sales and marketing support with funds available on a first-come, first-served basis by region.

The details for each opportunity offered is outlined in an annual meeting between the Survitec Sales Manager for the territory and an officer for the distributor or service station.

If the signed agreement is submitted by the deadline and the customer performs as described in the reimbursement plan over the course of the year, they are provided a credit memo by December 31 of the current calendar year.

Lastly, our seasonal and event-based promotions are offered by Survitec to promote and support stocking efforts by our customers and details of what is available for your territory may be requested from your Sales Manager.

**Survitec CUSTOMER INCENTIVE PROGRAM ACCEPTANCE**

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**Summary:** These incentives are offered to select customers in Survitec Group North America territories, with a limited and non-transferable credit/reimbursement program, as described in the attached agreement plan.

**Dates and Restrictions:** Applies to 2017 Purchased Sales between January 1, 2016 and December 31, 2016. (Determinations made by Survitec Group (US) and subject to approval by Survitec Group (US)). Credit items (credits not used by 12/31/2016) will be voided. NOT EXCEPTED.

**Eligible Customers:** Survitec Group (US) Customer (Survitec, Inc., 2000, Survitec Blvd., Jacksonville, FL 32216, USA) or its U.S. Subsidiary (Survitec, Inc., 2000, Survitec Blvd., Jacksonville, FL 32216, USA).

**Eligible Customers:** See attached agreement plan and attached agreement plan for details. The plan is for the year 2017.

**Plan:** See attached agreement plan and attached agreement plan for details. The plan is for the year 2017.

Region	Executive/Manager	Accepted	Rejected
SOE Customer Center (Survitec)			
SOE Customer Area (Survitec)			
SOE Customer Area (Survitec)			
SOE Customer Area (Survitec)			
SOE Customer Area (Survitec)			

**Comments:** Survitec Group reserves the right to terminate or amend this plan at any time, including 60 days prior to the expiration of the plan. Survitec Group is not responsible for any loss or damage resulting from the use of this document. This document is provided for informational purposes only and does not constitute an offer of any product or service. Survitec Group (US) is not responsible for any loss or damage resulting from the use of this document.

**Questions:** Contact your Sales Manager for details. Survitec Group (US) is not responsible for any loss or damage resulting from the use of this document.

**Survitec Group, Attn: North America Marketing, One East Commercial Circle, Building 3, Suite 100, Jacksonville, Florida 32216 USA.**

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 I have read and understand the Survitec Group Incentive Program for my business and accept it completely. With my signature below, I affirm my full understanding and acceptance of the plan's terms for the participation of my business in this program.  
 SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

**Survitec CUSTOMER CREDIT REQUEST**

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**Summary:** This document is used to request a credit from Survitec Group (US) for a customer who has performed as described in the attached agreement plan.

**Customer Information:** Please complete fully to request a credit from Survitec Group (US).

DATE OF REQUEST: \_\_\_\_\_ NAME OF REQUESTOR: \_\_\_\_\_  
 COMPANY NAME: \_\_\_\_\_ EMAIL ADDRESS: \_\_\_\_\_  
 PHONE NUMBER: \_\_\_\_\_  
 TYPE OF CREDIT:  Pricing  Freight  Other \_\_\_\_\_  
 AMOUNT REQUESTED: \_\_\_\_\_ ORIGINAL INVOICE NUMBER: \_\_\_\_\_

**ADDITIONAL REMARKS:** \_\_\_\_\_

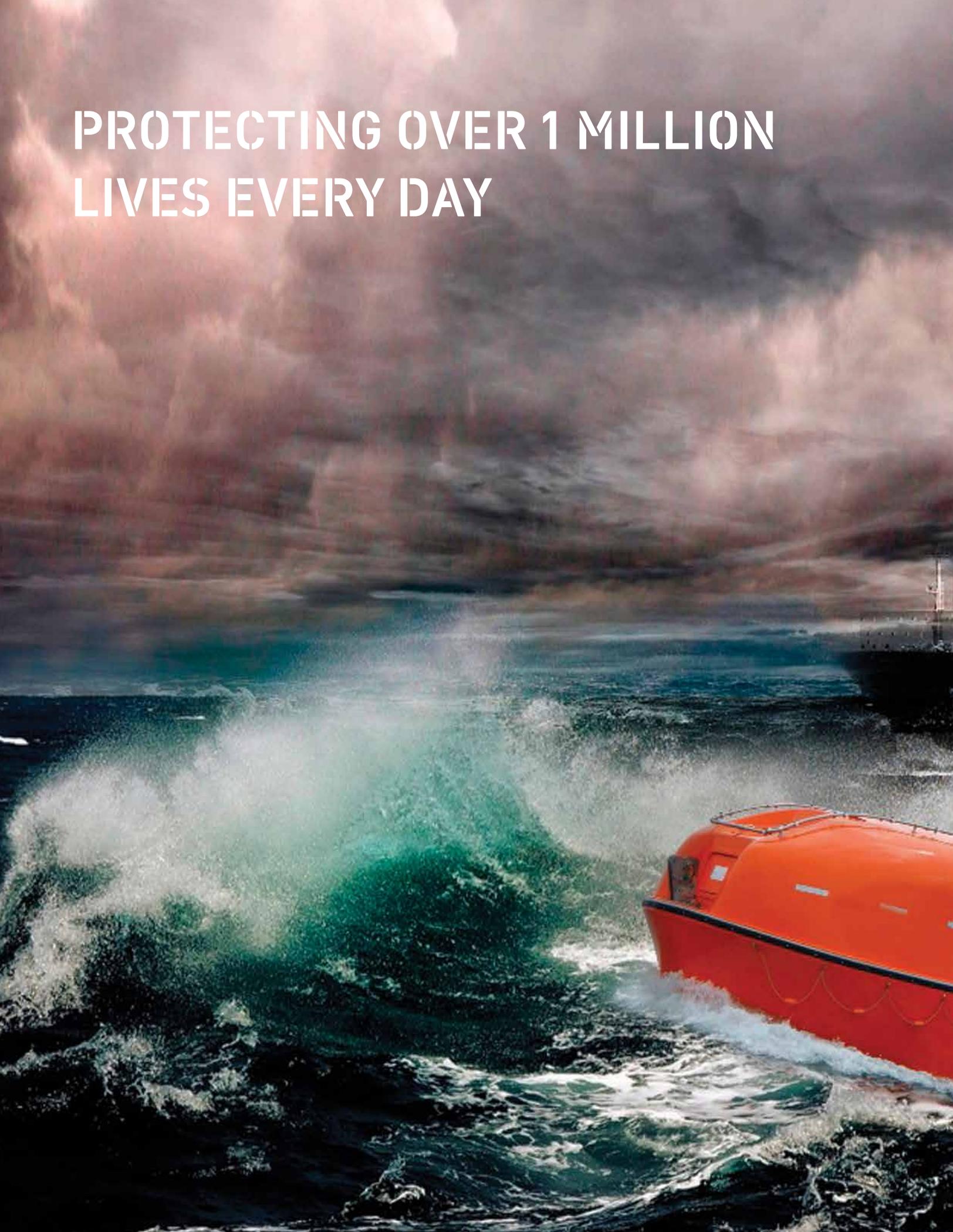
SIGNATURE: \_\_\_\_\_ DATE SIGNED: \_\_\_\_\_

**FOR OFFICE USE ONLY**

Not Approved Reason: \_\_\_\_\_  
 Approved:  No. Number: \_\_\_\_\_ Credit Memo: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_ SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CUSTOMER NOTIFIED: \_\_\_\_\_ Initials: \_\_\_\_\_ DATE: \_\_\_\_\_

PROTECTING OVER 1 MILLION  
LIVES EVERY DAY







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For further detailed information, prices, terms and conditions, customers should contact Survitec.

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