

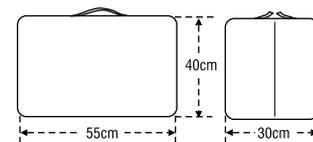


BEST VALUE

SOLAS '74 Life Jackets

Commercial grade lifejacket manufactured in accordance with SOLAS 74 requirements. Available in adult and child sizes.

	Child	Adult
Code.....	70157	70159
Buoyancy (N).....	55	95
Body Weight (Kg)...	0-55	>55



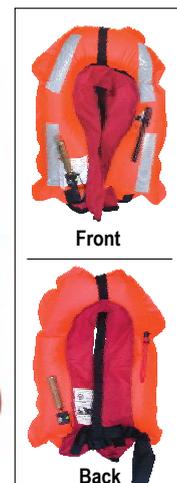
Code..... 10090

Lifejacket Storage Bag

Designed as an emergency grab bag for lifejackets and flares etc. This bag will hold up to 4 solid 100Newton lifejackets plus a variety of flares and smoke canisters. It has a non corrosive double ended zip encircling the entire bag side, which enables easy access to the contents.

SOLAS Inflatable Lifejacket

Lalizas SOLAS inflatable lifejackets of 150N comply with the latest SOLAS specifications for ultimate safety while on board. They feature twin chambers for double security, with automatic mechanism and easily accessible inflation tubes for oral inflation each. SOLAS lifejackets are also equipped with retro reflective tapes, whistle while an approved light can be added. They are user-friendly lifejackets and they provide the maximum safety thanks to their fast inflation even at very low temperatures. Their lightweight design makes them ideal for use in passenger ships, commercial vessels, yachts, fishing vessels and in all boats where storage space is limited. Lalizas SOLAS inflatable lifejackets are available in one adult size, suitable for people of over 32kg weight and in red colour.



Code.....70431

Figure 1

Manual System UML	Automatic System UML
<p>OK With green "Ready for action" tag</p>	<p>OK Green</p>

Figure 2

Manual System UML	Automatic System UML		
<p>STOP Without green "Ready for action" tag</p>	<p>STOP Green</p>	<p>STOP Red</p>	<p>STOP Red</p>

SAFETY

Lifejacket Flashing Light "Safelite" Water Activated - L.S.A.Code

Code.....70280



SOLAS Certificate

Quick fit and easy use

Easily installed on the lifejackets with two simple moves (unlock/lock). Ready for use after installation.

Compact size

To embrace lifejackets straps completely, retain its position and stay put in abrupt movements.

Lithium Battery

It illuminates 0.75 cd for a period of over 8-hour in use. It has 5 years span of life from its manufactured date.

Water Activation & Manual Switches

It has three switch positions which are: WATER ACTIVATED for automatic activation when submerged in waters, MANUAL ON for continuous lighting and MANUAL OFF for storage purposes.

Waterproof Protection

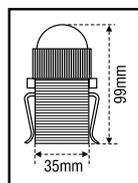
"Safelite" is made of polycarbonate and sealed with epoxy resin.



Code.....70070

Lifejacket Light Alkalight (L.S.A.Code)

The alkalight is an economic version of lifejacket light (L.S.A.Code). The 70070 provides a flashing output 0,75cd for a minimum of 8 hours by using alkaline batteries. It is very easy to be installed on any type of lifejacket. Batteries included.



Lifejacket Light Holder for 70070

Code.....01620



Hole puncher for 70070

Code.....00753



Lifejacket light LED flashing, 2AA

Code..... 70463
Height.....145mm
Diameter.... 37mm

Technical Characteristics:
Floating, 12 working hours (minimum), AA Alkaline 1,5V x 2pcs (batteries included)



Retro reflective Tape (ROLL) - SOLAS - 40m 3M

Retroreflective tape to SOLAS (L.S.A Code) by 3M 3150A. Length 40m. Tested according to IMO Res. A. 658(16)

Code.....70180



Retroreflective Tape - SOLAS - Set of 6 pieces - 5x10cm 3M

Retroreflective tape retail pack to SOLAS (L.S.A Code) by 3M 3150A Six 10cmx5cm self adhesive strips per pack. May be sewn.

Code.....70190



Instructions For Use

Self adhesive vinyl donning instructions for solid foam life-jackets.

Code.....70140



BEST VALUE

Nautical Whistle

Commercial grade, non corrosive,pea-less marine whistle. Manufactured in accordance with SOLAS 74/83. Approvals: EN394, 396, BG-PRUFZERT-94-13-506 (GERMANY)

Code.....70010 70020
Colour.....Blue Orange



BEST VALUE



Code.....70461

Thermal Protective Aid "Alusafe-T" - LSA Code

One of the most developed designs in the field of thermal protection, the LALIZAS «Alusafe-T» suit is constructed with aluminum film coated fabric, so as to protect the wearer from hypothermia, which may be caused by prolonged exposure in life raft and rescue boats.

The low thermal conductivity of aluminum reduces both the convective and evaporative heat loss from the user's body and preserves stable temperature. Survivor's protection from wind and cold is warranted, as it covers the fully clad body wearing even a lifejacket. Even more, «Alusafe-T» suit meets the 'LSA Code' requirements.



Lifejacket Flashing Light "Safelite" Water Activated - L.S.A.Code

BEST VALUE

NEW



Code.....70280



Rubber gloves

Immersion Suits Insulated "Neptune"

It is well known that a person's chances of survival when immersed in water are improved only by the ability to remain dry and maintain the body temperature at a comfortable level. LALIZAS has designed its Immersion suit to protect you in situations where the danger of hypothermia is great, thereby greatly increasing your chances of survival. The LALIZAS Immersion suit is constructed from reinforced neoprene and incorporates a face seal and flap, 3 fingered gloves, front waterproof zipper, ankle cuffs, neoprene pocket and retro-reflective tape. All these features have been designed to protect you against cold, without diminishing the freedom of movement. Exceeding the latest SOLAS specifications for hypothermia protection, it is ideal use on board ferries, offshore drilling rigs, rescue boats, man-overboard boats and for general commercial use.

With Neoprene gloves
Code..... 70454 70455
Size.....Universal Size Xlarge

With rubber gloves
70457 70458
Universal Size Xlarge

BEST VALUE



Repair Kit for Immersion Suit

- Contents:
- Can with glue - 40 gr
 - One brush
 - Instructions for use

Code.....70462

* The CE approval certificate replaces all the National approval certificates of European committee member states (D.O.T - U.K etc).

* L.S.A Code (Life-Saving-Appliances Code) latest amendment of Chapter III of SOLAS in force since June 1998.

ADVISOR

The Regulations

The Emergency Breathing Devices (EEBD) are intended for use on board ships and need to meet the SOLAS Chap. II-2 and IMO MSC / Circ.849, which specify basic operational and marking requirements and the minimum number of EEBDs in each area. Additionally each Flag Administration may require more EEBDs in some areas as well as the number of training EEBDs and/or spares.

Depending on their type, EEBDs could meet the EN401, EN402, EN403 or EN1146 European Standard. LALIZAS EEBD has been designed to meet the EN1146 standard. The EEBD is covered by the 96/98 Marine Directive and bears the steering wheel mark.

Use

The EEBD is to be used only for ESCAPE from or through a compartment that has a hazardous atmosphere. It should not be used for firefighting, entering oxygen deficient voids or tanks, diving or for the whole duration of a shift.

Instructions of Use

In order to avoid accidental activation during shipment, the equipment as supplied by LALIZAS is "not ready for use". Before you place it in its storage position, you should first set it on a "ready for use" position, as described in the "Instructions for Use & Maintenance" provided with the product. At the time of emergency wear the EEBD, activate it by pulling the "pull strap" of the bag, wear the hood and evacuate the problem area as soon as possible within the next 15 minutes. Remember you have 15 minutes of air supply that starts to flow as soon as you pull the strap of the bag and not when you wear the hood.

Storage / Maintenance

When stored the EEBD should be suitably protected from environmental factors and in such a way so that you have clear visibility of the gauge dial. LALIZAS offers you a suitable and convenient way to store your EEBDs. The EEBD should be maintained and serviced according to the manufacturer's instructions and only by a LALIZAS authorised service station.



0062



CE 0086

Code.....70320
 Volume.....15300cm³
 Weight.....5500gr
 Height.....20cm
 Width.....9cm
 Length.....53cm

Emergency Evacuation Breathing Device (EEBD) "RESCUE-AIR L15"

The Lalizas Emergency Escape Breathing Device (EEBD), complies with the amended SOLAS ch.II-2 and the IMO MSC/Circ.849. All ships on international routes must carry EEBD's on board.

Lalizas approved EEBD carries the following characteristics:

- Flame resistant materials with high visible reflects heat silver colour
- Durable and reliable construction with low maintenance
- Full-face hood so as to fit to all persons
- Steady air-flow for 15 minutes with sufficient air delivery rate
- Easy visual access on the pressure gauge
- Working temperature range: -10°C to 65°C
- Easy to refill cylinder - no adaptor required
- Approved to SOLAS Chapter II - 2 and MSC/Circ.849 & designed to meet EN 1146



- Shock proof - antiblast pressure gauge
- Coloured so as to have easy readings for duration - over pressure - internal pressure of the cylinder



- Hood with orinasal mask
- Flame retardant materials
- Ozone resistant - non irritant neck seal.
- Wide visor
- Orinasals mask fits all face profiles
- Non irritant
- Antimisting design for the visor.



- Automatic activating valve - regulator
- Valve features G 5/8" F standard charging connector
- Pull valve safety lock

Spare Parts



Bag for EEBD L15 70320

Code.....01616



Hood for EEBD L15 without pipe

Code.....02039



Hood and Pipe for EEBD L15 70320

Code.....01614



Anti tamper Tags for EEBD L15 70320

Code.....01611

Accessories



Wall Bracket for EEBD L15 70320

Code.....01623



Plastic Cover for EEBD L15 70320

Code.....01622

Wood Drain Plug

Wood Drain Plug, 5-45mm set of 10pcs

Code.....90593



ADVISOR

The regulations

All lifebuoy rings intended for use in commercial ships must follow SOLAS regulations (96/98/EC). As far as horseshoe lifebuoys and Lifelinks are concerned, there is no standard commonly accepted by all countries. In this case, each country sets its own requirements for the construction, the design and the durability of such products. Depending on the model, Lalizas Horseshoe Lifebuoys are approved according to Greek and French regulations.

Use

The main use for these products is the rescue of M.O.B (Man Over Board). In order to facilitate the rescue of those who have fallen over board, retro reflective tapes and bright colours are used to increase visibility.

Instructions for use

When someone falls over board, a series of actions should take place in the shortest time possible, in order to effect a rescue. If you have a lifebuoy ring or horse shoe lifebuoy on board, you must throw it towards the person in the sea and notify the person in charge of the vessel. The person in the water should hold tightly and securely on to the lifebuoy, in order to stay afloat. (See illustration). Please keep in mind that the above-mentioned products are effective only when the person is able to swim and can assist to their own recovery. Consequently, if you have children or non swimmers on board make sure they wear the appropriate lifejackets at all times.

Prevention is better than cure!

You should ensure that you have taken all possible actions and safety precautions in order to prevent someone from falling overboard.

Practice the MOB procedure by day and by night, in all weather and sea conditions, simulating a casualty using a fender with a bucket attached. Instruct a member of the crew to watch the person in the water and point continuously.

· Always wear a lifejacket and harness that is correctly clipped on when on deck, at night or in bad weather

· Make sure that you hold on to a stable part of the boat at all times. One hand for you and one for the boat

Maintenance / Replacement

These products are designed to withstand most weather conditions and exposure to sun light. However, in order to keep this equipment in good condition, contact with flame, extreme temperatures and any sharp edges should be avoided. LALIZAS suggests that you check the products and their straps thoroughly for any sign of wear, especially after use. If any signs of wear are detected, the items should be replaced.

What can the casualty do?

Firstly, the casualty must remain as calm as possible and look for the lifebuoy that may be floating close by. Taking into account that the greatest threat to survival is cold, the casualty should cross their legs and hold the arms tightly together to restrict any movement and consequently the loss of heat. Also, all wrist, ankle and neck fastenings should be closed tightly. A light and a whistle on the lifejacket can be used to attract attention. In most cases, the casualty should not attempt to swim to the boat, as this will promote the rapid loss of heat and cause exhaustion. In severe conditions, it is better for the casualty to turn their back to the waves in order to keep airways clear of spray.

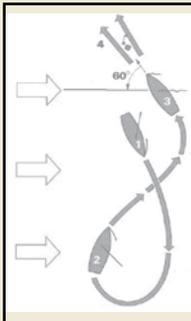
Recovering the casualty

This is probably the most difficult part of the whole MOB procedure:

- If there is a boarding ladder on your boat and the casualty has the ability to help themselves, this method is probably the safest and most obvious method of recovery.

- You should be prepared to give immediate first aid, as the casualty may be suffering from shock and hypothermia. It is also suggested that you check whether the casualty needs professional medical attention.

- In case the casualty is exhausted or unconscious, an improvised lifting gear will be needed. A short strop with a block and tackle rigged on the end of a halyard will help you get the casualty on board.



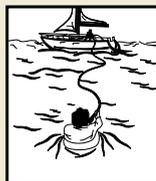
Rescue from a Sailing Boat

This is a simple way to recover a man overboard. However, you do need to practice often to ensure success.

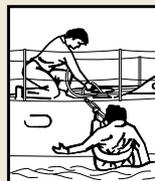
1. Steer yacht into an 'apparent' beam reach (burrgee across the yacht). Allow sea room to manoeuvre and get organised to recover the casualty.
2. Tack and sail on the opposite beam reach so the casualty is now on the weather bow.
3. Approach on a close reach, easing the sheets in the final stages. Remember that leeway will increase as the yacht slows down.
4. It is often easier to come alongside to windward of the casualty.



1. Deploy M.O.B. system astern circle casualty until contact is made



2. Confirm casualty is secured in M.O.B. Before rescue is attempted



3. Winch casualty slowly to the boat



4. Haul casualty on board.



BEST VALUE



Code...20440

Contents:

- Rail mounted PVC storage bag
- 50meter floating line Soft PVC
- Life-link with webbing strap

Rescue Systems Life-Link

The Lalizas life-link Man-Overboard Rescue system is designed to be permanently mounted to the pushpit in it's own soft, easy clean PVC bag. The kit contains 50m of floating line attached to a sturdy buoyant PVC life-sling and a personal retaining clip for added safety. Deployment is achieved by removing the life-link, attaching the floating line to a secure point and throwing astern. Once in the water the boat should circle the casualty allowing the life-link to be towed to their aid. Rescue is completed when the casualty is safely clipped into the life-link, winched to the boat and hauled on board.

Procedures for repacking the Life-link MOB



1. To repack the line: Leave 50cm of line outside the bag. Hold with your right hand



2. Measure another 50cm and fold the rope in two to create a "U" shape. Place the folded rope in the inside pocket of the bag



3. a. Holding the line going to the Life-link with the right hand, start gathering it creating a zig-zag. The width of the zig-zag should be approx. 20cm.
b. Continue in the same way, until enough line is collected in your palm



4. Place this in the inside pocket gently. Repeat step 3 until all the line is gathered in the pocket in an orderly fashion

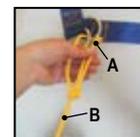
How to retie the knot to the Life-link



1. Put the line through both D-rings and hold steadily the short end. Make a loop with the long end and pass through it the short rope



2. Then pass the same end under and around the long part and through the loop again



3. To fasten pull together from points A and B

USEFUL HINTS

Horseshoe Lifebuoy

Like all MOB Lifebuoy products, the Horseshoe should be placed at a point on the boat, where it is easily accessible and can be thrown quickly to a man overboard. Furthermore, horseshoe lifebuoys should be equipped with whistle, lifebuoy light with continuous or strobe light (check the batteries regularly), a drogue to avoid the MOB casualty drifting away from the point of fall. Lastly, and especially for offshore sailing, a dan buoy, which can be seen 2 metres above the water, which will indicate the position of the MOB casualty.

Horseshoe Lifebuoy Basic I

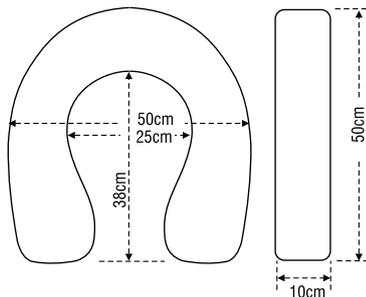
Horseshoe Lifebuoy Basic I consists of a flexible zipper cover and features a plastic clip fastening. It is available in one size and in three different colours: white, yellow and orange.

Horseshoe Lifebuoy "FR-Series"

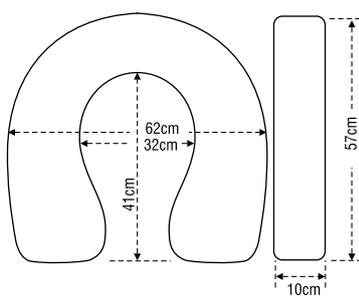
The horseshoe lifebuoy is designed to last for a long time even if it is exposed to all weather conditions. It is constructed from flexible polyethylene fabric and it is surrounded by a rope secured with fastening clips. For the best mounting and storage, you can use the horseshoe bracket (20580) where the lifebuoy light M.O.B. (70030) can also be mounted. It is available in three colours, orange, yellow and white.

Horseshoe Case "Quick Fit", size 1

The quick fit case is suitable for storing the Basic I Horseshoe Lifebuoys. It is manufactured from Polyester fabric, of 0.33mm thickness, with PVC backing, which makes the case waterproof, protecting the lifebuoys from any weather conditions. The case features a quick Velcro open - close system and straps for mounting the case on your boat's rails. Its design allows you to store the lifebuoy light as well. It is available in white & yellow colour.



Code.....20530 20540 20550
Colour.....Orange White Yellow



Code.....20551 20552 20553
Colour.....Orange White Yellow

BEST VALUE **NEW**



Code.....70018 70019
Colour..... White Yellow

SAFETY



0801
Ext. Diam. 725 mm
Int. Diam. 450 mm

Lifebuoy Ring SOLAS

Designed for pleasure and commercial usage, features an orange, rack hard, cross-linked polyethylene outer shell that will not deteriorate and is unaffected by extreme weather conditions CE approved to SOLAS (L.S.A Code)* by G.L. Luxembourg.

Code.....70090 70110
Weight.....2.5kg 4kg

BEST VALUE



Lifebuoy Ring, No 45 with rope

int.Diam. 420mm
ext.Diam. 210mm

Code.....63219



Plastic holder for life ring

Code.....01106 (pcs.)
Code.....01107 (Set of 3 pcs)



* The CE approval certificates replace all the National approval certificates of European committee member states (D.O.T.U.K etc.).

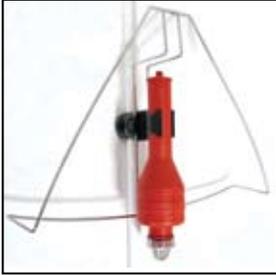
* L.S.A Code (Life-Saving-Appliances Code): latest amendment of chapter III of SOLAS in force since June 1998, από to 1998

For a better effectiveness combine the SOLAS lifebuoy ring with the floating throw line (70260) and the SOLAS lifebuoy light (70030).



Stainless Steel Horseshoe Bracket with light holder

Lalizas stainless steel horseshoe bracket can be easily installed on any kind of vessel. Its fixing system allows horseshoe and lifebuoy light to be easily taken away in case of emergency.



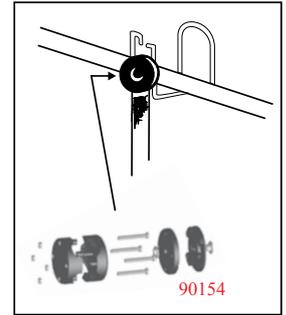
BEST VALUE

Code.....20580

BEST VALUE

Holder for ring or horseshoe life buoy

Code....20707*



90154

* Set of connector & rail mounts 90154 are not included

BEST VALUE



Rail Mount for lifebuoy light

Code..... 20581

BEST VALUE



Set of Connector & Rail mounts for fenderbaskets

Code..... 90154

Pre-cut



Floating Line, Polyethylene, orange

Code	Diameter	Length	Strength
90834	6mm	15m	145kg
94801	6mm	30m	145kg
90835	8mm	15m	400kg
70260	8mm	30m	400kg
90836	10mm	15m	807kg



Holder for Lifebuoy Ring & Horseshoe

This holder is ideal for placing and storing your ring or horseshoe lifebuoy. It comes with a plastic holder, which makes it really easy to mount it on your boat's rails. It is made of stainless steel and comes with a small elastic stretch cord for keeping the ring or lifebuoy steady on the holder. You can also store the lifebuoy light since it features plastic clips on the base of the holder.

Code.....95733

NEW

BEST VALUE



Dimensions:
EXT. Ø 17,5cm
INT. Ø 10,5cm



Mooring Ring

A Bouyant Mooring Ring.Moulded in PVC using a similar process as used for Hercules Fenders
Weight: 250 gr

Code.....50990

Mooring Ring with 30m rope

Designed for the retrieval of MOB, the ring is moulded in PVC, weighing only 250gr, and it is tied to a 30metre floating rope.

Code.....20693



Floating Rope, Polyethylene, orange

Code	Diameter	Length	Strength
98067*	4mm	200m	120kg
98991*	6mm	200m	145kg
98992*	8mm	200m	400kg
98993*	10mm	100m	807kg

* Sold by linear meter

Lifebuoy Light M.O.B (LSA Code)

This lifebuoy light complies with the L.S.A code capable of burning continuously with a luminous intensity of not less than 2cd in all directions of the upper hemisphere for a period of at least 2h (at white colour). CE approved to SOLAS (L.S.A Code)* by Bureau Veritas*.



0062



Code....70030



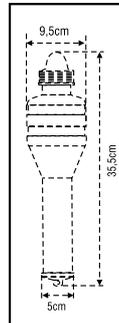
Spare bulb for lifebuoy light



Blister Bulb
4,8V/0,75A, E10
Code....30650



Bulb 4,8V/0,75A, E10
Code....00757

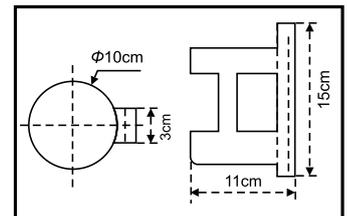


Lifebuoy Light Holder

High quality black polycarbonate lifebuoy light holder. Designed to hold the light vertically in the 'off' position and provide easy removal in emergencies.



Code....70000



Spring Clip

Code....50530



For longer life, power up your Lifebuoy Light with two sets of alkaline batteries "X-ENERGY" (31339). More information on Lalizas Alkaline Batteries "X-ENERGY" on page 82



HORSESHOES, MOB RESCUE SYSTEMS

ADVISOR

SEA ANCHORS - DROGUES

Use

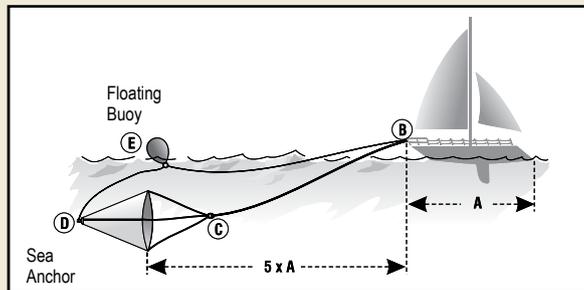
Sea anchor, also called drogue, is part of a boat's necessary safety equipment. It is used to slow down your boat or life raft when you are found in strong winds or heavy seas. Moreover it will stop your boat and turn it so as to face into or away from the waves. Further from the safety reasons, a sea anchor can be used as means to keep your boat as stationary as possible and not be pushed by the wind, thus very useful when you are fishing, swimming or in waters too deep to anchor.

Instructions of use

Made of strong-coated PVC, the drogue is open at both ends and includes lines that create two loops at the front and one loop at the end. The sea anchor (drogue) is tied to the boat's bow (B) with the use of a rope, which must be of at least five (5) times the boat's length (A). Tied to the bow of the boat, the rope is passed through the two loops of the drogue's front lines, creating a tight knot (C). The larger the size of your drogue (larger opening), the bigger its effectiveness will be.

In order to pull the drogue out, you should tie a second rope at the end loop of the drogue (D) and pull the drogue out when there is no more need.

To prevent other boats from running over the ropes of your drogue, you may use a floating buoy (E) that will be tied to the rope used for pulling the drogue out of the water. Drogues are not used for permanent anchorage.



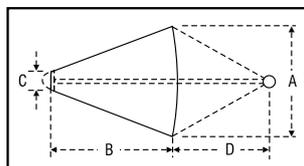
BEST VALUE



BEST VALUE

Professional Sea Anchors - Drogues

LALIZAS has designed the Professional Sea Anchor (Drogue) especially for use on large boats and under harsh conditions. The fabric is polyester 200D coated on both sides with 0,45mm PVC. Lalizas Professional Sea Anchors are immensely strong using 40mm, UV resistant, webbing terminating on a 6mm x 60mm INOX connecting ring. LALIZAS drogues are supplied in a safety yellow colour, packaged in a handy, tough stowage bag.



ATTENTION: This is a very general guide and there may be variations based on the weight, keel of the boat, on even the intended use of the sea anchor etc. Your choice should not be based only on the guide.

Sea Anchor (Drogue)

Made from strong coated PVC with continuous webbing inside, for added strength. Suitable for boats between 4,5-12m.

Boats length	Code	A(cm)	B(cm)	C(cm)	D(cm)
15m (49ft)	10240	200	165	20	160
18m (59ft)	10241	250	210	25	200
21m (69ft)	10242	300	250	30	240

Boats length	Code	A(cm)	B(cm)	C(cm)	D(cm)
4,5m (15ft)	10071	50	55	8	64
6m (20ft)	10072	65	75	10	70
7,5m (25ft)	10073	125	125	17	125
9m (30ft)	10074	135	142	20	125
12m (40ft)	10075	190	145	20	130

SAFETY

LIFERAFTS

ADVISOR

The Regulations

As stated in the previous page commercial ships must have SOLAS liferafts. On the contrary for the liferafts intended for recreational boats there is no international regulation accepted by all countries. Consequently, each country sets its own demands and standards regarding the construction, design and standard equipment. Lalizas Cruiser is approved according to the standards set by Greece and Italy.

Instructions for use

A liferaft should be located on a boat in a position where it is easily accessible in an emergency. It is suggested that you only board a liferaft, when there is an immediate risk of sinking, when the vessel is on fire and when rescue is not close. When launching a liferaft follow the steps listed below:

- Tie the painter rope (activation line) to a strong point on board the boat
- Throw the liferaft over board
- Give the painter a strong pull to activate the gas cylinder
- When the liferaft inflates, get on board and help those who cannot
- Cut the painter rope with the knife located near the Liferaft entrance
- If the boat is sinking draw away to a safe distance, at least one and a half times the boat length
- Inside the liferaft there is a survival manual, read it carefully following the instructions to the letter, use the emergency equipment correctly

Additional Equipment

All liferafts are provided with standard equipment that will help you survive while awaiting rescue. Nevertheless Lalizas suggests that in case you have to abandon the vessel, have ready and in an easily accessible place a dry bag (see page 24) with additional equipment, such as:

- Necessary personal belongings (glasses, medicines, sun block)
- Food and water
- Flashlight with extra batteries, EPIRB, Radio, VHF

- Navigation equipment (map, paper, pencil, ruler)
- Extra hand and smoke signals

Attention: The additional equipment should be objects that will assist your survival and rescue. Anything more is superfluous and unnecessary weight that must not be carrying with you, as it may compromise your situation in the liferaft.

Storage - Positioning

CANISTER: Liferafts in canister should always be placed on the deck and on a spot that it cannot be drifted away by the water. For a secure placement it is best that you use the Lalizas stainless steel fixing supports. Under no circumstances can you use the canister as a seat.

VALISE: Liferafts in valise should be placed in a dry place where it is not exposed to humidity, UV rays and it is not pressured or knocked by other objects.

Service

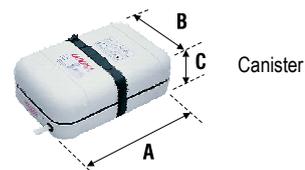
It is imperative that you take your liferaft for its scheduled service in order to be certain of a proper operation in an emergency. Furthermore, in most countries, it is obligatory by the national marine authorities to have the liferafts of commercial ships inspected. During a service at a Lalizas liferaft station, the liferaft is opened, the gas cylinder is checked and weighed and finally the liferaft is inflated to check for any signs of weariness. If it is necessary the appropriate repairs and additions in equipment are made. In case that in between two services you observe any kind of weariness contact your nearest liferaft station immediately.

Attention: If you do not have your liferaft serviced at the determined time or you have it serviced at another liferaft station you immediately lose your 12-year guarantee.

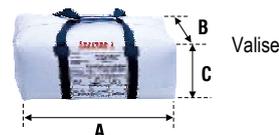
12
YEARS
GUARANTEE

Lalizas Cruiser

All Lalizas liferafts carry our fully transferable 12 year fabric and seam guarantee. This is your assurance of our commitment to quality and complete customer satisfaction. This guarantee applies under certain conditions to all liferafts, provided they are inspected by an authorized Lalizas service station.



Canister



Valise



Stainless Steel Fixing Liferaft Support

Code...56040

BEST VALUE



Overpressure valve for life rafts

Code...56390

Lalizas Cruiser

Lalizas CRUISER liferafts are available in 4 to 12 person versions, are fitted with a single floor as standard and are designed to be extremely safe. The CRUISER combines lightweight, compact size and high structural integrity with proven liferaft design. At the heart of this design are the twin buoyancy chambers. Manufactured and tested independently, each chamber is capable of fully supporting the raft with its maximum number of occupants. The two chambers are then bonded together to offer a high, rigid platform to which the self-erecting international orange canopy is attached. This design offers the greatest internal volume, whilst giving maximum protection against the elements. With external lifelines, radar reflective panels, retro-reflective tape and deep ballasted water pockets, the CRUISER range of liferafts offers highly visible, stable, sheltered conditions for the occupants.

Code	56001	56011	56002	56012	56003	56013	56004	56014	56005	56015
Persons	4		6		8		10		12	
Container	Canister	Valise								
Weight (kg)	32	29	38	35	46	42	55	51	62	57
A (cm)	68	67	68	67	68	67	73	69	73	72
B (cm)	42,5	36	42,5	36	42,5	38	48,5	45	48,5	49
C (cm)	27,5	27	27,5	31	30,5	34	28,5	34	33,5	35

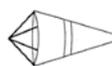
Model	Dimensions (mm)	
	A	B
Cruiser 4p	1700	1260
Cruiser 6p	1994	1510
Cruiser 8p	2272	1760
Cruiser 10p	2550	2010
Cruiser 12p	2690	2120

Features & Specifications

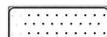
- Gas inflation CO2 cylinder beneath floor for added stability
- International orange, self erecting canopy with radar reflective and retro-reflective panels
- Large diameter twin independent buoyancy tubes
- External and internal lifelines
- Ventilation / observation port
- Rain water collection gutter
- Large ballasted stabilization pockets
- Fully closeable entrance flap with tie tape
- 12 year warranty
- Vacuum packed, hermetically sealed
- 3 year service intervals
- Comprehensive international service centres
- Manufactured in accordance to the DM 2/12/1977

Standard Equipment

- Buoyant rescue line throw
- Floating anchors
- Stainless steel floating knife
- Whistle
- Bellows for topping up
- Repair kit
- Survival advice manual
- Paddles
- Bailer
- Sponges
- Waterproof torch
- Spare torch batteries
- Spare torch bulb
- First aid kit
- Stainless steel drinking cup
- 1½lts Drinking water per person



Floating anchor



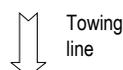
Identification label



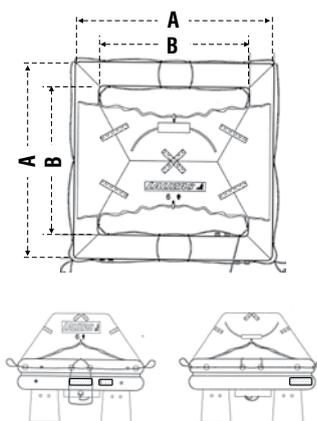
Reflective tape



Floating ring



Towing line



SAFETY

LIFERAFTS



Lithium Battery for Liferaft Lights, 3V

- Consists of 2 Lithium batteries
- Battery type: AAA:D
- 5 years battery expiration from the date of production
- PVC Insulated cables
- Waterproof since it is sealed with epoxy resin

Code....50003



First aid Kit - non SOLAS



Code....56880

- ANTI-ANGINA PREPARATIONS
- ANTI-EMETICS
- ANALGESICS-ANTIPIRETTICS
- ANALGESICS-ANTI-INFLAMMATORY PREPARATION
- ANTISEPTIC HYDRO PEROXIDE
- BURN PREPARATION
- CANNULA FOR MOUTH TO MOUTH RESUSCITATION
- ADHENSIVE ELASTIC BANDAGE
- STERILE GAUZE COMPRESSES
- COTTON WOOL
- ADHENSIVE DRESSINGS
- STERILE PRESSURE BANDAGES
- ADHENSIVE SUTURES
- ADHENSIVE TAPE
- STERILE GAUZE WITH WATER AND VEGETABLE OILS FOR BURNS
- SCISSORS

Internal & External Liferaft Lights

The set of internal and external liferaft lights consists of a flashing external light and a steady internal light. The external light provides luminous intensity greater than 4.3cd for at least 12 hours, while the internal light provides sufficient luminous intensity for someone to read the survival instructions for at least 12 hours. The liferaft lights can be activated either automatically, when the liferaft is deployed or manually by using the product's ON/OFF button. The set features a PCB circuit with epoxy resin, PVC insulated cables and a waterproof male-female, two-pin plug connector. The product should be kept in a dark, clean and dry area and stored without being compressed.



First aid Kit Small - non SOLAS



Code....56881

- ANTI-EMETICS
- ANTISEPTIC HYDRO PEROXIDE
- BURN PREPARATION
- STERILE GAUZE COMPRESSES
- PRESSURE BANDAGES
- IODINE SOLUTION
- ADHENSIVE TAPE
- SCISSORS



Code....50002



SAFETY



Code.....50990

Mooring Ring

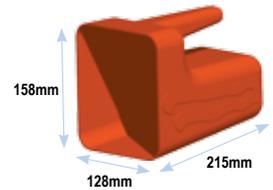
A Bouyant Mooring Ring, Moulded in PVC using a similar process as used for Hercules Fenders, Weight: 250 gr
Dimensions:
EXT. Diameter 17,5cm
INT. Diameter 10,5cm



Mooring Ring with 30m rope

Designed for the retrieval of MOB, the ring is moulded in PVC, weighing only 250gr and it is tied to a 30metre floating rope.

Code.....20693



Scoop bailer 2.5lt, orange

Code.....11919





The Regulations:

Before using life saving apparatus, you should always be aware of the marine safety regulations applicable to your country or those of the country you are visiting. In Greece, life saving apparatus is obligatory safety equipment.

Use:

Buoyant safety equipment is used on a boat as a means of rescuing persons in the water. It can be used instead of a Liferaft, (depending on the country) should the crew need to abandon the vessel or in the case of a man over board situation.

Instructions of Use: The buoyancy apparatus should be thrown into the water towards the casualty requiring the most help. They should hold on to the special handles fixed to the ropes on the apparatus. Under no circumstances should the apparatus be loaded above the stated capacity, as its effectiveness will be impaired.

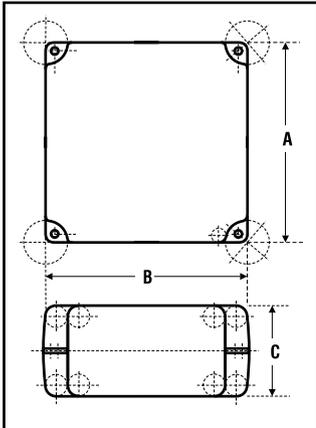
Storage / Maintenance:

Storage: A hard buoyancy apparatus should be placed in an easily accessible location on the boat and should be clear of obstacles at all times. The "Cushion Type" buoyancy apparatus may also be used for seating.

Maintenance: Do not allow the buoyancy apparatus to come into contact with high temperatures, fire or sharp objects. Rinse with clean water after use.

Replacement: In case the apparatus or part of it is broken or torn because of bad storage or maintenance, the product should be immediately replaced.

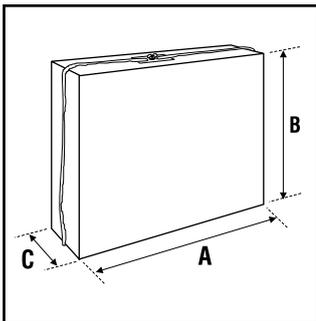
A buoyancy apparatus, as simple as it may be, can be proved very valuable at time of an emergency.



Life Saving Apparatus (Plastic)

- For use on sail or motor boats.
- Outer cover constructed from high strength polyethylene with an inner polystyrene filling.
- Complete with all-round rope lifeline
- Available in 4, 8 and 12 person models
- High visibility orange
- Approved to EEP. Approval number: 4232/46/00

Code	70131	70133	70135
Persons	4	8	12
Volume (lit.)	80	151	252
Weight (kg)	5	11	18
A (cm)	55	76	100
B (cm)	55	76	100
C (cm)	25	25	25



Life Saving Apparatus "Advance" & "FR-Series"

The LALIZAS Life saving Apparatus offer the proper durability against time and weather conditions, so as to be easily stored outside or inside areas. They are constructed from strong PVC on the outside and filled with polystyrene foam. These apparatus come complete with all round rope lifeline. The 'Advance' model carries an EEP approval.

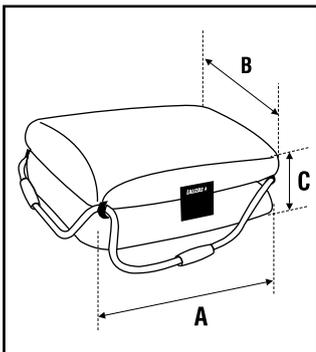
They are available in orange colour for high visibility and four (4) sizes for 2,3,4 and 6 persons.

"Advance"

Code	70435	70436	70437	70438
Persons	2	3	4	6
A (cm)	45	60	76	100
B (cm)	45	47	50	60
C (cm)	16,5	16,5	16,5	16,5

"FR-Series"

Code	70439	70440	70441	70442
Persons	2	3	4	6
A (cm)	45	60	76	100
B (cm)	45	47	50	60
C (cm)	16,5	16,5	16,5	16,5



Life Saving Apparatus - "Cushion Type"

- For use on sail or motor boats
- Constructed with a durable nylon outer shell and inner layers of polyethylene
- Complete with all round rope Lifeline
- Lightweight and doubles as a cushion
- Available in 3,4 and 6 person models
- High visibility orange
- Approved to EEP. Approval number: 4232/24/01

Code	70270	70271	70272
Persons	3	4	6
A (cm)	40	52	46
B (cm)	50	47	70
C (cm)	29	25	36



SAFETY



FIRE EXTINGUISHERS

Fire Extinguishers

Fire Extinguishers are essential on board for your safety and the safety of your crew. There are many types available in the market, based on the material used such as dry powder, foam, CO2. Each one has different capabilities, thereby specializing in specific types of fire. The most common fire extinguishers on board a boat, but also for the car or home, are the ones containing Dry Powder, since they can be used against solid, liquid and gas fueled fires. Laizas offers you EN3 approved fire extinguishers with Dry Powder, pressurized in highly resistant bottles. They are available in 4 sizes.

Fire Blanket

Essential in high-risk areas, such as the kitchen, are fire blankets. The model offered is 90x90cm wide and is supplied in a rigid case, with instructions printed on top.

Code	70443	70444	70445	70446	
Dimensions mm	90 x 232	110 x 308	130 x 369	150 x 470	
Weight	2kg	3kg	5kg	9kg	
Powder Weight	1kg	2kg	3kg	6kg	
Container	Stahl 12				
Material	Dry Powder ABC 40				
Propel. Gas	N2				
Dry Powder Quantity	1kg	●			
	2kg		●		
	3kg			●	
	6kg			●	
Rating	A (Solid)	5	8	13	21
	B (Liquid)	21	34	55	113
	C (Gas)	●	●	●	●
	E (Electric)	●	●	●	●
Temperature Range	-20°C / +60°C				
Accessories	Manometre	●	●	●	●
	Safety Pin	●	●	●	●
	Base	●	●	●	●
Approvals	EN3 0437			EN3 0437 SOLAS 0437/04	

Code Description
70443 1kg Dry Powder ABC 40 - Iron Bottle (5A 21B-C) with base
70444 2kg Dry Powder ABC 40 - Iron Bottle (8A 34B-C) with base
70445 3kg Dry Powder ABC 40 - Iron Bottle (13A 55B-C) with base
70446 6kg Dry Powder ABC 40 - Iron Bottle (21A 113B-C)
70448 Fire Blanket (90x90cm) in a case PVC



70443

70444

70445

70446



70448

Available only in Greece

PYROTECHNICS



Pyrotechnics are an essential part of a boat's safety equipment, as they help rescue agencies and other people detect you more easily in the case of an on board emergency. Pyrotechnics include hand signals, smoke signals, as well as, parachute signals. Parachute signals are different from other signal flares, as they reach a great height and drop very slowly by means of a small parachute.

Before Use

Ensure that the crew of your boat knows where the flares are stowed. For safety, the crew should read the instructions printed on the flares -it will be too late on a stormy night! All flares must show their expiry date and be replaced when necessary.

Use

Aim parachute flares well clear of the mast, rigging, sails, etc., as there is danger of accidental fire. For this reason, you should familiarise yourself with the firing instructions. Take care when firing parachute flares, aim high and slightly downwind, so that they achieve maximum height. You should fire all flares downwind, so that smoke and debris is blown away. Do not fire parachute flares if a helicopter is nearby.

How many SOLAS flares are required for my boat?

All types of boats should carry the appropriate SOLAS flares in their safety equipment, in order to be used in case of danger. The quantity of the hand and smoke signals depends on each country's legislation.

Available only in Greece



Smoke Signals
Code.....70210



Hand Signals LSA Code
Code.....70230



Hand Signals
Code.....70200



Parachute Signals
Code.....70220



SOUND SIGNAL	MEANING
•	Altering course to STARBOARD.
••	Altering course to PORT.
•••	Going Astern.
••••	Identity signal of a Pilot vessel.
••••• (at least 5)	Uncertainty, for danger of collision with other boat.
	Boat approaching the turning point of channel or river.
	Response signal from a boat approaching the opposite direction of the channel's or river's turning point.
	Power boat.
	Power boat at sea, but standing by.
••	Boat not under command, boat with limited maneuverability, either anchored or not, boat restricted by its draught, boat under sail, anchored fishing boat, boat that tows or propels another boat.
•••	Towed boat (or the last manned towed boat, in case there are more than one).
•	Intentions of passing from the starboard side of your boat (***)
••	Intentions of passing from the port side of your boat (***)
• •	Response signal from a boat to be passed, provided that agrees with the passing movement. (***)
•••• ••••	SOS signal using sound or visual communication devices.

(***) : They apply to narrow channels or rivers.
 • : Short blast (about 1sec of duration).
 |||| : Longe blast (about 4-6sec of duration).

Complete Units in Blister Packing

Signal Horn 380ml Acoustic range approximately 1500 m.



Fog Horn Head Only
Code.....10031



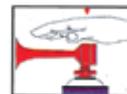
Refill Horn Canister
Code.....10032



SignalHorn & Refilling Canister in Blister Pack
Code.....10033



1. Install horn by screwing it on the pressurised container



2. To operate press down the horn



3. Signal horn must always be used in upright position



4. Do not store the pressurised container in direct sunlight. Do not expose to temperatures exceeding 40°C. Do not pierce or burn, even after use



BEST VALUE

Signal Horn Set 'Echo-200' - 200ml
Code....11506



BEST VALUE

Signal Horn Set 'Echo-380' - 380ml
Code....11507



BEST VALUE

Refill Canister 200ml for Signal Horn 'Echo-200'
Code.....11505



BEST VALUE

Refill Canister 380ml for Signal Horn 'Echo-380'
Code.....11508



BEST VALUE

Fog Horn Head Only for 'Echo-200' & 'Echo-380'
Code.....11509



Install trumpet by clipping it to the top of the canister



To operate push down the button on the top of the horn



Signal horn must always be used in upright position



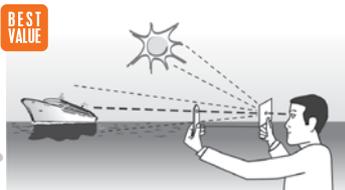
Do not expose the pressurised container in direct sunlight. Do not expose to temperatures exceeding 40°C. Do not pierce or burn, even after use

Signalling Mirror 7x7cm

Code.....56570



BEST VALUE



INSTRUCTIONS OF USE

1. Hold foresight in left hand with arm fully extended
2. Hold the signalling mirror in right hand toward the sunlight, facing the back of the mirror
3. Align the holes of the foresight and the mirror on the target
4. Move mirror until the reflection of the sun from the mirror can be seen on the foresight and a shadow point appears in its hole
5. The ray is now directed at the target



All first aid boxes are supplied empty.

First Aid Box

Specifically designed for use on boats. Made of durable ABS plastic. Compact, solid, water-tight. Screw down plastic base plate for quick release.

Dimensions: 21x21x12,5cm

First Aid Box

(Base is not included)
Code.....10112

Base for First Aid Box

Code.....00385



Mega Horn

Whether you use Mega Horn in an emergency or for pleasure you certainly will be heard. Sound measures at 105 D.B. Available in red colour, it comes complete with counter merchandising display box. Floating, non corrosive. Friendly to the environment. Available in showcases of 12pcs.

Code.....10040