

LALIZAS INSULATED IMMERSION SUITS 'NEPTUNE'

Frequently Asked Questions



Q1. What is the difference between the LSA code and the USCG approved Immersion?

A1. The main difference to the eye, is that the LSA Code suit must be worn with an approved Lifejacket whereas USCG has an integrated cushion on the back of the suit and thus does not need to be worn with a lifejacket.

Q2. How many patches of reflective tape must be on and where?

A2. A total area of at least 400 cm² must be placed on the suit. They must be placed on the head, chest, arms, legs (distributed so as to be useful for search from air and surface craft from all directions). If the Immersion suit does not automatically turn the wearer face up, a total area

of at least 400 cm² must be placed on the back of the suit.

Q3. How many sizes?

A4. We have 2 sizes – Universal (height up to 1.85 m and weight <95Kg) and XL (height up to 2 m and weight >95 Kg). They come in different colored bags (red for Universal, green for XL) for ease of use.

Q4. How often should it be serviced or replaced? Can the zipper be changed?

A4. USCG requests that they be serviced at intervals of 2 years and after 5 years on a yearly basis. ISO recommends that the monthly safety check include optical check on the immersion suits and a yearly check thereafter at a service station recommended by the manufacturer. Some manufacturers say that only they can replace a zipper if damaged, and others allow approved service stations to do the replacement.

Q5. Is there any expire date?

A5. No. However 1 manufacturer to our knowledge (Bailey Suits) gives a 10 year self life to their suits.

Q6. Can it be combined with a Lifejacket?

A6. If it is of the type to be worn with a lifejacket, yes it can.

Q7. Does it have to have a position indicating light?

A7. A LSA code suit, which has to have an approved lifejacket, (which already has to have a light) does not need a separate light attached. A USCG

approved suit needs a separate light attached, as it is not worn with an approved jacket!

Q8. Does it have 5-fingered gloves?

A8. Not necessarily. The hands must be covered by the suit unless permanently attached gloves are provided (not 5-fingered necessarily)

Q9. Which are the main differences with our main competitors? (Stearns, Viking, Survival, Imperial, Aquata ect).

A9. Our differences are mainly in the shape, extras and the weight and height differences – the most important features are the same i.e. neoprene and that they have passed the 6hour test in 0-2 degrees water.

Q11. How long can a person survive in 0-6 degrees in our suit ?

A11. The INSULATED suits are tested in 0-2 degrees for a full 6 hours and it passed only when the test subjects body temperature did not drop more than 2 degrees from his normal body temperature i.e. They can survive a minimum 6 hours without a problem.

Q12. Where must the suits be stored?

A12. They must be stored where other immersion suits are normally stored (mostly stored in lifeboats and separate location for extra safety equipment). However if a ship has any watch or work station which is located remotely from the place or places where immersions are normally stowed, additional immersion suits shall be provided at these locations for the number of persons normally on watch or working at those locations at any one time. Their positions must be plainly indicated (IMO sign)

Q13. Should they have harness?

There is no need for the use of safety harnesses with a D ring according to the LSA Code Directive and therefore there is no approval standards and tests for this purpose.

If there was such a need, all manufacturers would have to conform with it. Such a safety harness is obligatory for a helicopter lift. However rescue helicopters are obliged to be equipped with such safety items, which are regularly tested for their performance.

As far as personal safety is concerned, we would like to point out that such a harness could actually become very dangerous to the crew using it, because it will interfere with the proper use of the lifejacket. It could also cause some serious damage to the back of the wearer.

Q14. Are they waterproof?

Lalzas immersion suits are 100% waterproof. Each suit is individually tested before delivery.