



International Safety Products

## Challenger SOLAS 2010 Lifejackets



- Challenger Flexi-Wing 150
- Challenger Interlock 275 Series III
- Challenger Aqua Junior 100
- Extended Service Intervals
- After Sales Support
- Accessories



### International Safety Products

International Safety Products Ltd is the World's largest manufacturer of inflatable, marine lifejackets, and a leading manufacturer/supplier of survival equipment.

We use the very latest in textile technology and pursue an innovative design philosophy, ensuring production of safety equipment capable of performing to the highest standard in the most extreme of conditions.

\*Challenger Flexi-Wing 150



## Challenger Interlock 275 Series III

### Purpose

The Interlock 275 is specially designed for use as a combined working/abandonment lifejacket. With 300 Newtons of buoyancy it is designed to be worn when the user is wearing heavy duty clothing or with an abandonment suit - where it guarantees to self right the wearer in less than 5 seconds. The patented interlocking lobe design also creates an effective wave barrier preventing water channelling into the airways.

The lifejacket design gives good neck and head support which is particularly vital for an unconscious wearer.

### Features

- Patented interlocking lobe design
- 300 Newtons buoyancy
- High visibility fabric
- Twin chamber security
- Contoured head and neck support
- Lightweight and comfortable to wear
- Fully approved to the latest amendments in SOLAS Chapter III 2010

### Specification

- Two independent chambers each with 300N
- Automatic firing mechanisms
- Retro-reflective tape
- Whistle
- Grab loop
- Locational light
- Buddy line
- Produced using components that conform to ISO 12402

### Design Options

- A wide range of cover options including wipe clean heavy duty PVC, hard wearing nylon and fire resistant Panotex
- Deck harness system approved to ISO 12401
- Spray hood
- Strobe light
- Crotch strap



\*Optional Sprayhood

### Wave Barrier Technology

The patented interlocking lobe design of the bladder used in this lifejacket self-rights the wearer in under 5 seconds and provides an effective **Wave Barrier** preventing water from being channelled into the airways. The tailored neck design gives vital support to head and neck, even if the subject is unconscious.



## Challenger Flexi-Wing 150

### Purpose

The Flexi-Wing 150 Lifejacket has been designed as a dual purpose Emergency Abandonment or Constant Wear lifejacket. The low profile design allows the wearer unrestricted movement and full forward and downward vision.

The unique Flexi-Wing design affords the wearer enhanced in water performance with higher mouth freeboard and improved floatation angles. The interlocking lobe design self rights the wearer in under 5 seconds and provides an effective wave barrier preventing water from being channelled into the airways, while the tailored neck design gives vital support to the head and neck, even to an unconscious subject.

### Features

- Interlocking lobe design
- High visibility fabric
- Twin chamber security
- Lightweight and comfortable to wear
- Fully approved to the latest amendments in SOLAS Chapter III 2010
- The unique bladder shape features Flexi-Wing technology

### Specification

- Twin independent chambers
- Automatic inflation system
- Retro-reflective tape
- Whistle
- Grab loop
- Locational light
- Buddy line
- Produced using components that conform to ISO 12402



\*Challenger Flexi-Wing 150

### Design Options

- A wide range of cover options including heavy duty PVC and Panotex fire proof covers
- Deck harness system
- Spray hood
- Strobe light
- Crotch strap



\*Red Nylon Cover



\*ISO 12401 Harness available.



\*Optional Sprayhood

## Challenger Aqua Junior 100

### Purpose

The Aqua Junior 100 is the Child's version in the SOLAS 2010 range which has been specifically designed to meet the demands of providing a comfortable and compact lifejacket that conforms to the latest regulations and is much less cumbersome than a foam lifejacket. The jacket fits children in the weight range 15Kg to 43Kg and is fitted with crotch straps for added security of fit.

### Features

- 100 Newtons buoyancy
- Twin Chamber Security
- Compact, unobtrusive design
- Complies with the latest amendments to SOLAS Chapter III 2010

### Specification

- 2 Fully automatic inflators
- Retro - reflective tape
- Whistle
- Grab Loop
- Locational light
- Buddy Line
- Adjustable crotch straps fitted as standard



Aqua Junior 100, fully inflated.

### Design Options

- A wide variety of cover options are available.
- Deck harness.





## Challenger After Sales Support

### SOLAS Lifejacket Service Requirements

All Inflatable Lifejackets that conform to SOLAS requirements have to be serviced annually\*, at a Manufacturer Authorised Service Station, as per SOLAS III/20.8. If the Lifejackets are being used on a frequent basis and/or are being subject to extreme conditions, (damp/high humidity etc.), it is recommended that they are serviced more frequently, i.e. every 3-6 months, depending on the conditions. Please refer to your local authority/service station for advice.

\*An exception to the 'annual' service, is the SOLAS lifejackets that ISP offer in hermetically sealed foil bags. Subject to the Flag State acceptance, these lifejackets may be serviced every 5 years, with a simple annual check on the condition of the packaging.

### Service Stations

ISP has a worldwide network of Approved Service Stations and we are constantly updating and adding new stations where service is required. A full and up to date list of our Approved Service Stations is available on our website [www.ispl.co.uk](http://www.ispl.co.uk). Alternatively, please contact us for the nearest Service Station for your requirements.

### Routine Maintenance

It is important that you should regularly check your lifejackets to ensure that they are in good condition. Inflatable Lifejackets should always be stored in clean, dry conditions, and must be

thoroughly dried after use before being returned to their stowage. Failure to do so may cause the lifejacket to inflate automatically, due to moisture build up.

Regular Pre-Wear checks should include inspection of webbing and cover material for cuts/damage, buckle inspection, cylinder tightness, firing mechanism retaining clip secure, firing mechanism indicator (where fitted), etc. If you have any doubt whatsoever about the condition of your lifejacket, then you should send your lifejacket to an ISP Authorised Service Station for Service without delay. End user Pre-Wear Inspection and Donning training courses are available on request.

### Donning

Always ensure that you and your staff are trained in the correct donning procedure for your model of lifejacket. Donning instructions are included with each lifejacket and care must be taken to ensure that these instructions are kept with the lifejacket.

### Accessories

Also available to complement your lifejacket are -

- Waist belt extenders (increases waist belt to 175cm)
- Strobe Lights
- A variety of Beacon Pockets
- Re- Arming Kits.

## SPECIAL 5 YEAR EXTENDED SERVICE OFFER

For Emergency use on Offshore Installations the Challenger Interlock 275 Series III and Challenger Flexi-Wing 150 are available in the Extended Service Format.

If stored in the conventional manner ie. hanging in a cabinet - the service interval is every 12 months.

To facilitate extended servicing intervals and to remove the risks of accidental inflation plus prevent individuals from tampering with the lifejacket, ISP developed their Extended Service Packaging System.

Each lifejacket is hermetically sealed in a Mil spec foil laminate bag together with a calculated quantity of moisture absorbent desiccant. Provided the foil laminate bag is not damaged the service interval can be extended for up to 5 years - subject to Flag State acceptance.

Our recommended service regime is to undertake a 20% per year service combined with a 100% inspection of the bags. This ensures the maintenance budget remains even over the 5 year period.

The cost saving is estimated at approximately 60% of conventional servicing costs!



Certificate No. 1147/96



Members



Product Approvals

Worldwide approval list available on request