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POSEIDON® - Flotation

LAND

AVIATION

MARINE

PRSH1196 Rescue Swimmers Harness alone PRSH1196LP Integrated Life Preserver

Technical Data Sheet
01/04/2019 REV:1.0a
Aviation Version

Applicable Standard:

- **ANZS1891.1 Approved**
- **CASA ARN: 1068426 – ATSO-C1003**

Features Life Preserver:

- Manually Operated Co2 Inflated Inflation Cell
- Twin Chamber Floating Baffle design
- Yoke Style Upper Torso Harness system
- FAA TSO-C85b approved light
- Webbing Cutter - optional
- Splash Face Hood - optional

External Pockets:

- Waist Belt PLB

Internal Pockets:

- Lower left hand side Sea Dye - optional
- Lower right hand side Spare

- Constructed of Nomex Woven fire retardant Woven material backed with Stedair lamination
- Alloy Side Release Waist Buckle
- Waist adjustment straps
- Dual adjustable crotch straps with relief pads - optional
- Buddy Line and SOLAS Whistle
- Provides 306 Newton's buoyancy
- Weighs approximately 0.80kg unloaded
- The Gas cylinder is glued in to the Hammar Actuator, and located within the Inflation Cell – this assists in avoiding

- i. Human factor tampering, and
- ii. Corrosion
- iii. Co2 Cylinder made by ISI of Austria

In-Water Performance:

- Fully inflated, the Life Preserver provides an effective buoyant force of 306 Newton’s
- Self-Righting to the wearer within 5 seconds of activation
- The wearer is supported in a stable upright position with the mouth well clear of the water surface, at an angle of approximately 45 degrees from the Vertical
- Inflation Cell design ensures a clear channel for water , there is no puddling of water in front of the wearers mouth

Materials:

- The High Frequency welded construction of the inflatable cell utilizes polyurethane coated nylon fabric conformant and approved to ISO12402
- The protective Life Preserver Stole is constructed from fire resistant 6oz Nomex aramid anti-static fabric and back laminated with Stedair lamination,
- The harness waist adjustment strap is constructed from ANZS1891.1 approved webbing
- All hook and pile fastener tapes are FR treated
- All Zippers are FR treated
- Integration of the life preserver and harness is achieved by means of a Nomex aramid Speed lacing Loop system, with Nomex FR webbing with brass Snap Dome fasteners.

Inflation System:

- 300 Newton’s of buoyancy via the MIL-C-601G cylinder, which is glued in to the Hammar Actuator
- There are three means of deflation
 - i. Via the Over-Pressure Valve located in the base of the Oral Inflator
 - ii. Via the Oral Inflator with the depress valve, and
 - iii. Via the Shroud Cutter, optional on all Poseidon ® Life Jackets

Sizes:

SIZE		FITS CHEST		IMPERIAL
Adult > 40kg		OSFA		OSFA

Colour:

Stole

- Hi-Vis Orange

Inflation Cells

Spanish Yellow

Retainer

Hi-Vis Orange

Testing:

- Webbing FAR 25.853(b-2)
- Inflation Cells 100% Leak Tested during manufacture to FAA Compliance requirements

Features Harness:

- Full Body Harness System
- Expansion / Dynamic Webbing in strategic area's for full range of body movement
- Load adjusted attachment point to ensure correct angle of the body position under the winch cable
- Equipment attachment points for
 - i. Camel Pak – 2 litre
 - ii. Swim fins carry attachment point
- Hi-Vis Rescue Orange Colouring
- Integration approved to the Life Preserver
- ASNZS1891.1 Approved



★ **Limitations Constant wear use only - to be donned prior to each flight.**

★ “The conditions tests and approvals stated in this document are minimum performance standards. It is the responsibility of those desiring to install the article either on or within a specific Standard or type or class of aircraft to determine that the Standard and or aircraft’s installation conditions are within the required standards. The article may be installed only if further evaluation by the applicant (user/installer) substantiates an acceptable installation and is approved by the Authority” and Poseidon .suggested Tests and Approvals are to be used as a guideline only – Poseidon makes no claims that any tests and approvals shown are suitable or fit for purpose.