



POSEIDON - Flotation Products ®

LAND

AVIATION

MARINE

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PSV411 Survival Vest / Life Preserver

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

Features:

- Manually Operated Co2 Inflated Inflation Cell
- Twin Chamber Floating Baffle design
- Survival Vest Design contains MOLLE adjustable Pockets for stowage of essential Safety items – (Safety items not supplied)
- FAA TSO-C85b approved light
- Integrated Restraint/Winching Harness/Fall Arrest
- Quick Release – Three Ring Circus ready
- Webbing Cutter - optional
- Splash Face Hood – optional

External Pockets:

- Spare Air
- Personal Emergency Beacon
- Strobe Light
- Mini Flares
- Medical Kit
- Radio

Internal Pockets:

- | | |
|------------------------------|-------------------|
| • Centre lumber lower pocket | Water Sachet |
| • Centre lumber upper pocket | Water Sachet |
| • Left Pocket | Emergency Blanket |
| • Right Pocket | Personal items |

- Constructed of Nomex Woven fire-retardant fabric and Nomex Mesh fire retardant fabric
- Woven Nomex material backed with Stedair lamination
- Integrated and ANZS1891.1 Approved Restraint/Winching and Lifting Harness
- AustriAlpin Cobra quick release Buckles
- Waist and Chest adjustment straps
- Dual adjustable dynamic movement enhanced crotch straps with relief pads
- Buddy Line and SOLAS Whistle
- Provides 306 (68lb) or 157 (35lb) Newton's buoyancy
- Expansion gussets to allow for fit of Internal Integrated Body Armour
- Weighs approximately 1.7kg unloaded

In-Water Performance:

- Fully inflated, the Life Preserver provides an effective buoyant force of 306 Newton's (68lbs)
- 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 and TSO-C13f
- The protective Life Preserver collar is constructed from fire resistant 6oz Nomex aramid anti-static fabric, Stedair lamination,
- The Survival Vest is constructed of Raschel knitted open mesh aramid fibres
- The Survival Vest had MOLLE Nomex webbing for moveable pockets
- The harness waist and chest adjustment strap are constructed from ASNZS1891.1 approved webbing
- All hook and pile fastener tapes are FR treated
- All Zippers are FR treated
- Integration of the life preserver and survival vest is achieved by means of a Nomex aramid Speed lacing Loop system, with Nomex FR webbing with brass Snap Dome fasteners.

Inflation System:

- 306 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
XSMALL	81 CM – 91 CM		32 – 36 INCHES
SMALL	91 CM - 102 CM		36 - 40 INCHES
MEDIUM	102 CM - 112 CM		40 - 44 INCHES
LARGE	112 CM - 122 CM		44 - 48 INCHES
EXTRA LARGE	122 CM - 132 CM		48 - 52 INCHES
XX LARGE	132 CM - 142 CM		52 - 56 INCHES
XXX LARGE	142 CM - 152 CM		56 - 60 INCHES

Colour:

- | Survival Vest | Inflation Cells | Retainer FAA/SOLAS |
|---------------|-----------------|---------------------------------|
| • Sage Green | Spanish Yellow | Hi-Vis Orange or Spanish Yellow |
| • Navy | Spanish Yellow | Hi-Vis Orange or Spanish Yellow |

Testing:

- Survival Vest Harness ANZS1891.1
- FAR 25.853(b-2)
- Inflation Cells 100% Leak Tested during manufacture FAA specifications

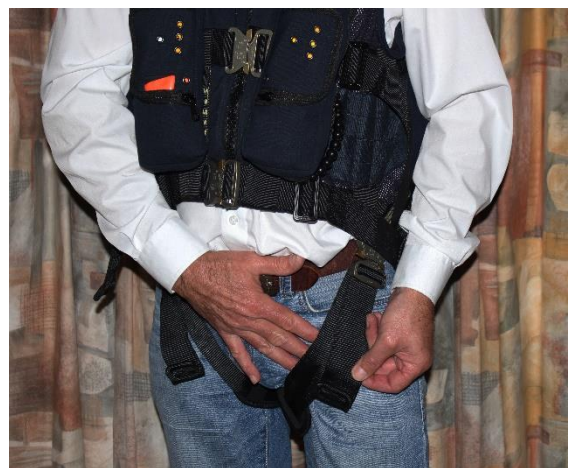
NSN Codification:

PSV411	07794	4220	982081089	XS	SAGE GREEN
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PSV411	07794	4220	982081092	L	SAGE GREEN
PSV411	07794	4220	982081093	XL	SAGE GREEN
PSV411	07794	4220	982081094	XXL	SAGE GREEN
PSV411	07794	4220	982081095	XXXL	SAGE GREEN

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



Expansion Gussets
for Internal Armour



Dynamic Expansion
Leg Straps



Dorsal Fall Arrest/Wincing
D Ring
&
Waist Restraint D Ring



Quick Release Toggle (concealed) – rear Tether Release



Spare Air Retainers – Left & Right-hand side options – MOLLE
adjustable pockets

“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’s .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.

Concealable Lifting
Strops

