



45 Liberty Circuit
North Lakes - Brisbane
Queensland 4509
PH +61-(0)-422-069-138
Email: david@poseidonau.com

POSEIDON NZ LTD

POSEIDON - Flotation Products

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AVIATION

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Leaders in Land, Aviation and Maritime Safety and Survival Solutions

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PSV411 Survival Vest / Life Preserver

Technical Data Sheet
28/5/2015 REV:1.0
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 ANZS1891.1 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
PSV411	07794	4220	982081090	S	SAGE GREEN
PSV411	07794	4220	982081091	M	SAGE GREEN
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.**

