



Leaders in Aviation and Maritime Life Support Products

Poseidon™ Flotation Products

LAND

AVIATION

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Wednesday, 24 May 2023

PUDT1623 UDT VEST

Technical Data Sheet

28/5/2015 REV:1.0

Maritime Version

Features:

- Manually Operated Co2 Inflated Inflation Cell
- Twin independent Co2 Manual Actuators
- A Choice of 3 Inflation Cell designs
 - Damage Resistant Inflation Cells
 - Twin Chamber Floating Baffle design
 - Single Chamber Inflation Cell
- Constructed of Cordura 500HD 3-way Woven fabric
- Waist adjustment straps
- Provides approximately 120 Newton's of buoyancy
- Weighs approximately 1.7kg unloaded

In-Water Performance:

- Fully inflated, the Life Preserver provides an effective buoyant force of 120 Newton's
- Self-Righting to the wearer
- The wearer is supported in a stable upright position with the mouth clear of the water surface
- Life Jacket design ensures contoured fit to the body to enhance comfort and performance

Materials:

- The High Frequency welded construction of the inflatable cell utilizes polyurethane coated nylon fabric conformant and approved to ISO12402 and TSO-C13f (Floating Baffle – Twin Chamber Design)
- The protective Life Preserver collar (Stole) is constructed from Cordura 500 HD 3-way Material
- Comfort liner material around the Neck Liner for added comfort
- The harness Waist and Shoulder straps are constructed from ISO12402 approved webbing
- All hook and pile fastener tapes are FR treated
- All Zippers are FR treated
- Integration of the life preserver to the harness is achieved by means of Nylon FR webbing with brass Snap Dome fasteners.

Inflation System:

- 120 Newton’s of buoyancy via the 33grm MIL-C-601G cylinder, which is glued in to the Hammar Actuator
- There are two means of deflation
 - i. Via the Over-Pressure Valve located in the base of the Oral Inflator
 - ii. Via the Dump Valves on each Cell

Item	Specification
Design	Key Hole Type over-head Jacket – (Donut Design) <ul style="list-style-type: none"> • Self-draining mesh located at base of jacket • Deployable/Concealable Retro-Flective SOLAS Approved Tapes
Stole - outer	Cordura 500HD 3 way Black
Harness Webbing	<ul style="list-style-type: none"> • H Type Harness • One Size Fits All • Nylon 50mm Waist and Shoulder • ITW Nexus Webbing Adjusters (2) • Detachable from Stole for ease of repair and replacement
Inflation Cells	A choice of 3 variants of interchangeable Inflation Cells <ul style="list-style-type: none"> • Damage Resistant Inflation Cell – Dual Independent Inflation Cells with Oral Inflators incorporating Over Pressure Valves and Dump Valves – 2 in each Jacket • Floating Baffle – Dual Chamber Inflation Cells One Inflation Cell separated by a Floating Baffle, each chamber incorporating Oral Inflators incorporating Over Pressure Valves and Dump Valves The ability to remove one of the inflators and replace the item with a Blanking Plate – to enable a Single Co2 Actuator to the item

	<ul style="list-style-type: none"> • Single Chamber Inflation Cell A Single Chamber Inflation Cell incorporating an Oral Inflator incorporating Over Pressure Valve and Dump Valve
Oral Inflators	Halkey Roberts Locking Type In-Built Over Pressure Valve protection
Design Buoyancy	120 Newton's
Co2 Actuator	Hammar of Sweden <ul style="list-style-type: none"> • Manual Operation • Interchangeable mechanism to offer Hydrostatic Operations

Sizes:

SIZE	FITS CHEST	IMPERIAL
OSFA	81CM – 152CM	32 – 60 INCHES

Colour:

Stole
Black

Inflation Cells
Not Visible

Testing:

- Harness ISO12402
- Inflation Cells 100% Leak Tested during manufacture FAA compliance

NSN Codification:

PUDT1623	In Application			OSFA	BLACK
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