



DAMAGE TOLERANT LIFE PRESERVER (DTLP)

MD4020 (MARITIME DTLP) - MD4025 FR (AVIATION DTLP)

This life preserver can take a direct hit from a firearm or fragment and still inflate. The unique damage tolerant design makes this Life preserver well suited for use in high risk tactical situations. The 65 lb. buoyancy provides extra flotation to compensate for the personal equipment and arms carried on missions. This universal size Life preserver can be integrated with most ballistic vests and comes with a harness. (US Patent 6,453,840. CDN Patent No. 2392416)

The MD4020 Marine DTLP is designed for tactical boarding parties, and uses Hydrostatic Inflation Technology (HiT™). In the event of accidental immersion, the DTLP automatically inflates and self-rights an unconscious user. For missions that require manually activated inflation, the optional MA7219 conversion cap can reconfigure the Life preserver from automatic to manually activated inflation.

The MD4025 FR Aviation DTLP is primarily designed for rotary wing aircrew conducting operations in hostile environments. This life preserver uses a manual Halkey-Roberts inflator, and is covered with fire retardant fabrics. An optional Kevlar® based ballistic pouch MA4050 is available to contain shrapnel in the event of a direct hit on the CO2 cylinder.

Life Preserver Inflatable Cells and Restraint Layer

Each DTLP contains two inflatable cells. The cells are made from polyurethane coated nylon fabric. Both versions are inflated using CO2 to inflate either cell. If one cell is compromised prior to inflation, the functional cell can be inflated maintaining full flotation performance.

Using our Hydrostatic Inflation System (HiT™), the MD4020 will automatically inflate when submerged in 4 or more inches of water and not inadvertently due to rain, spray or humidity. The inflatable cell achieves full inflation within seconds of immersion, or with a simple pull of the beaded handle. An oral tube provides backup inflation, if necessary. The MD4025 FR must be inflated manually. Both models may be inflated manually by pulling on the beaded handle for either chamber. Inflating either one or both chambers provide full function of the device for operational use. Both chambers have oral inflation backup and pressure relief valves to prevent over-inflation. The larger buoyancy models come equipped with a dump valve that allows emergency deflation and improved mobility if needed. When inflated, the cell forms a yoke around the back of the user's neck, extending into two lobes down the user's chest. The inflatable cells are contained within a protective restraint layer, and can be easily replaced or repaired. The DTLP comes standard with a SOLAS signal whistle, sea light, buddy line, lifting strap and SOLAS-grade retro-reflective tape. The inflatable cell restraint layer comes standard in high-visibility international orange, but is available in subdued colors to meet covert operational requirements.

MD4020



FEATURES

- Constructed using 2 polyurethane coated nylon cells
- Secure-Zip™ closure system for easy repacking
- Oral inflation backup
- Pressure relief valve to prevent over-inflation
- SOLAS signal whistle & Sea Light
- Buddy line and lifting strap
- SOLAS reflective tape on inflated cell

SIZING

Universal

COLOR

Black (MD4020) Sage Green (MD4025 FR)

OTHER ACCESSORIES

MA4006 Integration strap, MA4012 EBS Pocket Assembly

MD4020



Upper Body
Harness
Configuration



Duty Belt
with Upper
Body Harness
Configuration



Tactical Vest
Harness
Configuration

PROTECTIVE CONTAINER AND BALLISTIC CYLINDER POUCH

The protective outer container is constructed of a durable black 420 denier rip-stop nylon (MD4020) or sage green 6oz/yd2 Nomex IIIA® aramid (MD4025). The container incorporates Mustang's patented Secure-Zip™ closure system (US Patent 6,832,415). The zippered enclosure can be opened via the break-away point at the back of the collar. The MD4025 FR accommodates CO2 cylinder containment (MA4050) (Patent Pending by Pacific Safety Products) in the event of ballistic penetration. If unprotected, ballistic impact to the cylinder can cause fragmentation or cause the cylinder to become a hazardous projectile itself.

HARNES SYSTEM

The DTLP comes fully assembled to a full-body lightweight harness. As an alternative the DTLP can be configured to integrate with PALS webbing systems on the user's MOLLE vest. In the standard configuration the DTLP is secured to its harness at 6 points (4 front, 2 back). The full-body lightweight harness is secured using 3 buckles (chest and thigh) and has 8 adjustment points that provide a universal fit. The life preserver can be worn using either the full-body lightweight harness, or using only the upper body harness by detaching the removable thigh harness from each side. The DTLP is designed to integrate with any tactical equipment system. An optional Multi-Fit accessory package is available that allows integration with a law enforcement duty belt or PALS webbing system on the user's MOLLE vest.

Ballistic Cylinder Pouch MA4050

Can. Patent No. 2,348,139



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Our commitment to quality has earned our Richmond facilities ISO9001 registration, the highest of all international standards.

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