



**TACTICAL AIRCREW DRY SUIT SYSTEM**  
MSF300 / MSF300 GB (BERRY COMPLIANT VERSION)

The MSF300 is designed for over-water rotary-wing operations or any other operational environment where that dictates the need for increased hypothermia and flame protection.

Mustang Survival continually strives to provide our customers highest level of protection with the best comfort when involved in potentially hazardous flight operations. These efforts have resulted in an integrated, two-layer garment that provides improved mobility and comfort while reducing heat stress caused by increased thermal burden. It also provides protection against flash fires and the onset of hypothermia as a result of cold water immersion.

The MSF300 two-layer modular design minimizes overall weight and bulk. It also allows the user to quickly don and doff the garment by themselves through an innovative entry system, and is provided in a wide array of sizes (see back).

The patented CCS™ Closed Comfort System adjustable neck seal, and trim-to-fit wrist seals improve the comfort of flight crews during extended missions.

The trim-to-fit cuff design seals better and requires no secondary closure after donning. Our improved interconnection fasteners, between the two modules, result in easier assembly of components and less "down time" when performing maintenance. The improved entry system is ergonomically designed to allow donning and doffing by the user. MSF300 features neoprene wrist seals, and Berry compliant MSF300 GB features latex wrist seals.

Numerous pockets are designed to be accessible even when the dry suit is worn with additional flight or survival equipment.

**MODULAR DESIGN**

The two-piece modular design of the MSF300 makes maintenance, repair or replacement of any component an easy task. The interconnection system between components facilitates assembly and disassembly, minimizing "down-time" when performing routine cleaning, maintenance or repairs.

**OUTER SHELL**

The Outer Shell is constructed using fabric compliant to MIL-DTL-32149, a waterproof, windproof, breathable, flame-retardant and anti-static laminate fabric designed to reduce heat stress, and fatigue. The MSF300 protects the wearer during refueling or hostile flight operations where the dangers of cockpit flash fires may exist.

High-wear areas are strategically reinforced to enhance the suit's durability and prevent abrasion damage that could compromise the suit's integrity.

Integral pockets are designed for a variety of uses and provide access even when wearing a survival vest or body armor over the suit.

SIZES: XS – XXXL (Contact Mustang Survival for availability of sizes)  
COLORS: MSF300 - Sage Green, Orange  
MSF300 GB - Sage Green



THERMAL LINER  
US Patent No. 5,267,519  
Can. Patent No. 2082793

ADJUSTABLE NECK SEAL  
US Patent No. 6,668,386  
Can. Patent No. 2381720



## THERMAL LINER

The Thermal Liner is comprised of a patented breathable closed-cell foam. The liner is engineered with multiple apertures, then quilted using a wicking fabric and thread designed to pull excess moisture (sweat) away from the wearer's body which then escapes through the Outer Shell.

Easily detached from the Outer Shell, the Thermal Module can be removed for laundering or to reduce bulk where a higher level of thermal protection may not be operationally required. When integrated with the Outer Shell, the MSF300 suit system provides a stirred (calm) water Clo value of 0.58.

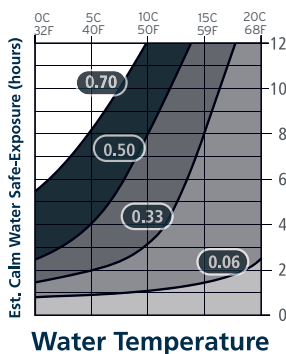
All of these features lead to life-cycle cost savings when compared to traditional dry suits designed for flight crews.

## FLOTATION

Mustang Survival conducts buoyancy tests on our suits in accordance with specified test methodologies. The maximum egress requirements, specified for your environment by your flight safety authorities, will fall within a narrow range of values based on available international standards. Mustang Survival suits demonstrate buoyancy below the lowest maximum values recommended for ditched helicopter egress.

## HYPOTHERMIA PROTECTION

When tested on a thermally instrumented manikin and worn over traditional undergarments, the Mustang Survival MSF300 achieves a calm (stirred) water immersed Clo value of 0.58 Clo. A benefit of the insulated dry suit is that in the event of damage to the outershell, such as might be experienced during an accident or aircraft egress, thermal protection is only marginally diminished in the event of water ingress.



Suit Examples	Immersed Clo Value
Nude	0.06
MSF300 Without Liner	0.33
MSF300 With Liner	0.58

## REPLACEMENT COMPONENTS FOR MSF300

### Nomex® Outer Shell/Immersion Layer MA7345

SIZES XS – XXXL  
COLOR Sage Green

### Thermal Liner/Base Layer MA7246

SIZES XS – XXXL  
COLOR Black

### Closed-Cell Neoprene Hood MA7348

- Provides head and neck wetsuit-style insulation
  - Includes lanyard to tether hood to suit
  - Adjustable mouth guard
- SIZE Universal  
COLOR Red

### Inflatable Survival Mitts MA7149

- Includes lanyard to tether mitts to suit
- SIZE Universal  
COLOR Orange

### Carrying Case MA7105

- Durable water resistant nylon bag equipped with handles and a zippered closure
- COLOR Black

Mustang Survival is an ISO9001 Certified Company.

All suits are tested to ensure the highest level of reliability and performance.

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

This is our guarantee you're receiving the ultimate in design and manufacturing.

Mustang Survival has a policy of continuous improvement and reserves the right to modify products or features at any time.

## PATENTS

US Patent No. 5,458,516  
Canadian Patent No. 2,150,433