



## CONSTANT WEAR AVIATION COVERALL MAC100

The Mustang MAC100 represents a major breakthrough in the technology and design of constant wear aviation coverall. For the first time it is possible to provide a very high level of exposure protection without sacrificing comfort during prolonged missions.

This one piece flight suit provides protection against fire, radiant heat, cold weather, cold water immersion and drowning. This is all accomplished without the need for bulky, multilayered garments.

The Mustang MAC100 is the second generation of the Mustang MAC-10 which has set the standard for anti-exposure flight coveralls for more than ten years. The MAC100 retains all of the outstanding characteristics of the MAC-10, and additionally incorporates the new "Total Comfort System." The "Total Comfort System" consists of multiple apertures engineered into the foam liner combined with a moisture permeable membrane to allow excess body heat and moisture to escape while providing a thermal barrier against dangerous outside elements.

The MAC100 is a close fitting, durable garment engineered for maximum mobility during aircraft operations. The durable anti-static, flame resistant Nomex® outer shell is reinforced in high abrasion areas with rugged leather panels. A fire resistant neoprene hood and inflatable mitts are included to complete the ensemble.

The inherent buoyancy and integral insulation design means the MAC100 will continue to protect against exposure and immersion even in the event of damage to the suit during egress or other emergency operations.

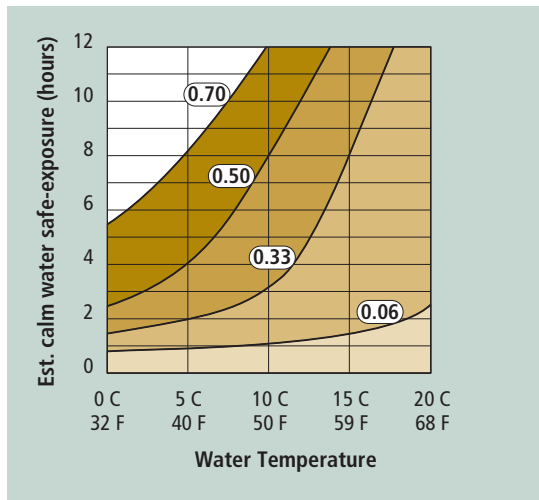
The MAC100 is compatible with any lifejacket and can be customized for users in high performance aircraft which require pass throughs for Anti-G garments or other equipment worn beneath the suit.



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## Hypothermia Protection

Thermal insulation of 0.2 immersed clo in turbulent water is achieved when tested on the thermally instrumented manikin with the Tug-Tite® closures secured and the thermal protective hood and inflatable gloves donned.



## Flame Resistance

The MAC100 Aviation Coverall provides outstanding protection from radiant heat and fire by achieving a Thermal Protective Performance (TPP) rating of 1900 kJ/m<sup>2</sup>. This equates to 20 seconds protection from second degree burns under exposure to a heat flux of 84 kW/m<sup>2</sup>. A heat flux of 84 kW/m<sup>2</sup> is comparable to conditions around a crashed aircraft when fuel is burning fiercely. Tests have demonstrated that the MAC100 prevents second or third degree burns occurring within its area of coverage. This contrasts with second degree burns to 57% of the body surface area covered by a plain Nomex® flight suit.

## 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.

## Colors

International orange, sage green, or royal blue. Other colors possible where quantity permits.

## Sizes

Seventeen sizes are available. Measurements should be taken over intended under-clothing.

SIZE	HEIGHT		CHEST SIZE	
	cm	inches	cm	inches
1	155-160	61-63	76-84	30-33
2	160-165	63-65	76-84	30-33
3	165-170	65-67	76-84	30-33
4	160-165	63-65	84-91	33-36
5	165-170	65-67	84-91	33-36
6	170-175	67-69	84-91	33-36
7	165-170	65-67	91-99	36-39
8	170-175	67-69	91-99	36-39
9	175-180	69-71	91-99	36-39
9a	180-185	71-73	91-99	36-39
10	170-175	67-69	99-107	39-42
11	175-180	69-71	99-107	39-42
12	180-185	71-73	99-107	39-42
12a	185-191	73-75	99-107	39-42
13	175-180	69-71	107-114	42-45
14	180-185	71-73	107-114	42-45
15	185-191	73-75	107-114	42-45

## Weight

The MAC100 is a lightweight 3 kg (6.5 lbs.), depending on size.

## Accessories

Carry Case, model MA7105—A durable water resistant nylon carry case is optionally available for storage and handling of the coverall. The case is equipped with a zippered closure and sturdy handles.

## 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 Richmond 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.

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