

Constant Wear Aviation Coverall

MAC-10

The Mustang MAC-10 is a unique product with a proud tradition of service and performance. The MAC-10 is a constant wear, hypothermia protective garment designed specifically for use by pilots and passengers flying over water in light aircraft, float planes, helicopters, long range patrol aircraft and even high-performance jets. This unique product combines protection against all of the following hazards: fire and its radiant heat, cold exposure, cold water immersion and drowning. As a result, the MAC-10 replaces multiple garment layers normally worn by aircrew for protection from individual operational hazards.

The MAC-10 is a close fitting, tailored garment engineered to provide generous room in high movement areas for maximum wearer mobility and comfort. Zippered ankle gussets assist in donning and doffing. A range of pockets is provided for the storage of personal items, notepads, pens and survival equipment, including a survival knife. An insulated thermal protective hood, stored in the right leg pocket, minimizes heat loss and provides good fire protection for the head.

Patented Tug-Tite® closures at the wrist and ankles enhance the in-water hypothermia protective performance by minimizing cold water flushing. Even after being significantly marred by fire or puncture, the suit still offers very good flotation and hypothermia protection. This fault tolerance is in stark contrast to the vulnerability of aviation drysuits to relatively minor degrees of damage.

Durable, flame resistant Nomex® aramid anti-static fabric provides external protection for the inherently buoyant, thermal protective integral wetsuit. An inner layer of Nomex® aramid fabric provides further fire protection and comfort, and completes the MAC-10's "three layers of protection." Rugged leather panels are integrated into high wear areas of the knees and seat for increased resistance to abrasion, petroleum, fuel oils and soiling.

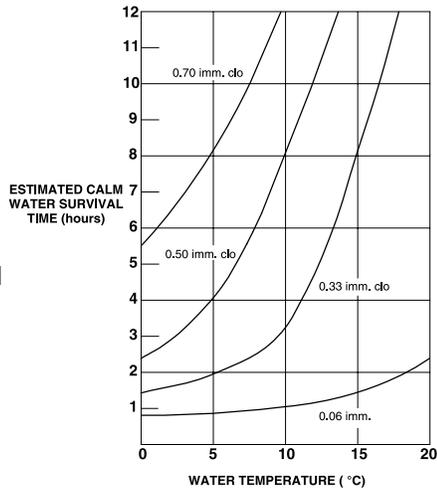
The MAC-10 is compatible with any lifejacket, such as Mustang's twin-chambered FAA approved constant wear inflatable lifejacket (model MD1127).



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Hypothermia Protection

Thermal insulation of 0.47 immersed clo is achieved when tested on the thermally instrumented manikin with Tug-Tite® closures secured, and thermal protective hood donned.



Flame Resistance

A three layer aramid/PVC/aramid construction provides outstanding protection from radiant heat and fire. The MAC-10 coverall achieves a Thermal Protective Performance (TPP) rating of 1,900 kJ/m². This equates to 20 seconds protection from second degree burn, under exposure to a heat flux of 84 kW/m². A heat flux of 84 kW/m² corresponds to conditions around a crashed aircraft when fuel is burning fiercely. Full manikin burn tests conducted on the MAC-10 demonstrate that no second or third degree burns were allowed 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

The MAC-10 provides an inherent buoyancy of 18-21 lbs., size dependent. This is designed to be well below the 35 lbs. maximum recommended for ditched helicopter egress, yet above the 15.5 lbs. minimum buoyancy required for a PFD.

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

Lightweight, approximately 1.8 kg (4 lbs.), depending on size.

Colors

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

Accessories

Thermal Gloves, model MA7102—Three-finger, thermal protective neoprene gloves are optionally available, can be stored in the lower leg pocket.

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 has a policy of continuous improvement and reserves the right to modify products or features at anytime.

MUSTANG SURVIVAL

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