



LIFE SUPPORT INTERNATIONAL

aviation safety, survival & rescue equipment

AIRCREW INTEGRATED LIFE PRESERVER/ SURVIVAL VEST/ LOWERING DEVICE MODEL MK-46 SV(M) Military



The **MK-46 SV(M)** is an integrated life preserver/survival vest (SV) system which incorporates an inflatable life preserver, modular survival vest and lowering device. A mesh vest provides a platform for the integration of the life preserver, equipment pockets, hoisting/lifting becket and aircrew restraint harness.

The MK-46SV(M) includes equipment pockets specifically designed to carry essential survival accessories such as radio, H.E.E.D, flares, etc. The equipment pockets are installed via combination of snap and velcro fasteners permitting easy removal of any accessory.

The flotation system consists of a dual cell (two independent chambers) bladder, constructed in accordance with MIL-C-83489, providing 52 pounds of buoyancy. The bladder is yoke style which will ensure that an unconscious aviator will float head up out of the water and will also self-right as survivor after inflation. Inflation is activated with a manual inflation system, utilizing 25 gram CO₂ cylinders for each chamber. Backup oral inflation is provided for each chamber, as well.

Note: Auto inflation is available as an option.

The flotation bladder is encased in a durable rubber-coated nylon cloth. The life preserver is attached to the shell via lacing permitting easy removal.

The personal lowering device is designed to aid air crew personnel to lower themselves to the ground should their parachute canopy become entangled in tall trees during a parachute decent. With the aid of the lowering device, aircrew can lower themselves from tree heights up to 200 feet above the ground. The lowering device is fitted within the back cushion of the MK-46SV(M) Aircrew Survival Vest. To utilize the device the crewman attaches the device to himself and to the entangled parachute riser assembly. Once connected, he releases himself from the entangled parachute and with the use of the descender mechanism, the crewman lowers himself to the ground.

INTEGRATED LIFE PRESERVER/SURVIVAL VEST, MODEL MK-46SV(M)

PERFORMANCE

The MK-46 series life preservers will right the subject to face up position in less than 5 seconds and provides freeboard mouth clearance and torso positioning. Each independent chamber is capable of providing 52 pounds of buoyancy

SPECIFICATIONS

Life Preserver/Survival Vest

Part Number	FLO-4565-00
Maximum Buoyancy	52 pounds
Number of Inflatable Chambers.....	2 each
Buoyancy per Cell	52 pounds
Bladder Specification	MIL-C-83489
Manual Inflation System.....	2 each
Auto Inflation System(optional).....	2 each
25 Gram CO ₂ Cylinder	2 each, MIL-C-25369
Oral Inflation Tubes.....	2 each
Bladder Color.....	International Orange, Yellow or Sea Blue
Material, Outer Protective Cover	Nomex→ Fire retardant material, Nylon (optional)
Colors available.....	OD Green , Black (special order)
Vest Sizes Available	Medium, Large

Lowering Device, SUR -9100-00

Length:	225 feet
Tensile Strength:	1500 pounds
Load Rating:	300 pounds

OPTIONAL FEATURES

Integrated Life Raft

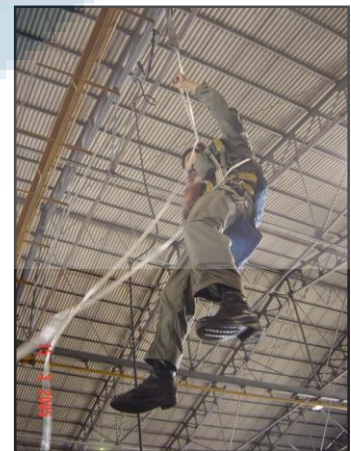
OPTIONAL ACCESSORIES

- Weapon Holster
- Reflective Tape (installed onto bladder)
- Light Signal
- Whistle
- Nomex→ wear collar

Please see our Survival Accessory Brochure for a complete listing of optional equipment.



Bladder Inflated
(52lb. Buoyancy)



Tree Escape

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

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INTEGRATED LIFE PRESERVER/SURVIVAL VEST, MODEL MK-46SV(M)

STANDARD FEATURES

• LIFTING BECKET

The Lifting Becket is designed to enable the crewman to be hoisted or lifted from the load bearing suspension point. The Lifting Becket is integrated into the survival vest and the leg strap system, when worn it encircles the users chest. *Note:* Either the leg straps or the chest strap will totally support the weight of a suspended crewman.



• AIRCREW SAFETY RESTRAINT HARNESS

The loop located on the rear of the vest enables the modular survival vest to be utilized as an aircrew safety harness when used in conjunction with an optional Tethersafetystrap. The crewman attaches one end of the restraint strap to the loop located on the back of the harness, and the other end to a hard point in the aircraft. The length of the strap is then adjusted to allow the crewman to perform his duties as winch operator, door gunner, or load master.



• EQUIPMENT

The standard equipment pocket configuration consists of four large pockets and two small pockets. The small pocket is specifically designed to accommodate emergency oxygen (H.E.E.D.) bottles. The location and variation of the pocket installation is up to the user.

POCKETS



• SURVIVAL VEST

The standard survival vest configuration consists of Front and Rear mesh platforms, providing for the integration of the life preserver, equipment pockets, and lifting becket.



• LIFE PRESERVER BLADDER

The bladder consists of two independent flotation cells, per MIL-C-83489. Each cell is fitted with a CO₂ gas inflation system and oral inflation tube. The flotation bladder is encased in a durable Nomex fire resistant (optional - Nylon) outer shell, which is attached to the survival vest via a lacing system, permitting easy removal & replacement.



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