



# OWNER'S MANUAL

## Inflatable SAR Vest

### #486/486-CG

#### WARNINGS & CAUTIONS

The Rescue Swimmer's Vest should not be worn by anyone under 110 lbs. or under 14 years of age.

Use only 33-gram CO2 cylinders (LSC #484) or equal. Inspect the seal on the threaded end of the cylinders prior to installation. Discard any cylinder showing any sign of puncture. Ensure that the CO2 inflation valve lever arm is in the up (armed) position prior to cylinder installation. Check for proper routing of the CO2 inflation lanyard.

The Rescue Swimmer's Vest must be visually inspected prior to use and functionally tested per inspection procedures.

Do not allow the vest to become excessively soiled. Rinse the vest after exposure to salt or chlorinated water with fresh tap water.

Do not enter the water from excessive heights with the bladder inflated. This could cause personal injury and/or damage to the vest.

Do not inflate the bladder while below deck on a vessel or in the cabin of an aircraft. The additional buoyancy and bulk could restrict your egress.

#### DESCRIPTION

Designed to meet the needs of the U.S. Coast Guard Surface Rescue Swimmer. The Rescue Swimmer's Vest combines the best features of a swimmer's harness and those of an inflatable life preserver into one compact unit. The harness is constructed of Type 8 and Type 13 MIL-SPEC (ML-W-4088) webbing. The harness incorporates a quick-release feature that allows the swimmer to easily release a safety line should the need arise. A quick pull on the beaded release lanyard opens the stainless steel snap shackle, thereby releasing the safety line ring. All hardware is 304 or 316 stainless steel; zipper and snaps are all high strength plastic for corrosion resistance. Donning is quick and easy due to the front zippered design and the use of LSC's Quick Release Safety Buckle. Flotation cell is encased entirely in a heavy weight, puncture/abrasion-resistant nylon case. Due to its encased design, the cell requires no repacking after use; simply deflate. Inflated manually with CO2 or orally with air, the vest provides up to a full 35 lbs. of buoyancy and has SOLAS grade retro reflective panels. Two equipment pockets (5-1/2" x 4" x 1-1/2") on front and a #358 Survival Knife are provided. Utilizes a 33-gram CO2 cylinder (LSC #484). The #486-CG has U. S. Coast Guard Markings. **APPROVED for U. S. Coast Guard Surface Swimmers.**

#### USING YOUR RESCUE SWIMMER'S VEST

To wear the Rescue Swimmer's Vest, simply put it on the same way you would a coat. Then zip up the front zipper of the vest. Close the front buckle, adjust the waist belt to fit snugly by pulling on the two side straps and tuck the excess belt under.

Attach a safety line to the snap shackle if desired.

To inflate the vest, pull rapidly down on the beaded inflation lanyard. This action punctures the CO2 cylinder. The released gas immediately inflates the bladder. The cylinder will require replacement after inflation.

Should a bladder not fully inflate, remove the oral tube from the cover and blow air into the bladder.

#### FACTORY SUPPORT

Contact LSC for inspections and services, LSC will inspect and test your inflatable vest, LSC service #000-IS33.

#### REPLACEMENT PARTS

#487-1-3	TRI-SAR INFLATOR ASSEMBLY	#HI015	PIN, SAFETY, RED
#484	CO2 CYLINDER, 33 GRAMS	#358	RESCUE AND SURVIVAL KNIFE
#359	O-RING, WELDED 3/16" S/S		

#### WARRANTY

LSC products are warranted to the first consumer purchaser to be free from defects in material or workmanship for a period of twelve (12) months. Please contact LSC for our complete Warranty information and Policies, or visit our website.

#### LIFESAVING SYSTEMS CORP.

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#### NOTE

Before placing in service, and thereafter once a year, LSC strongly recommends an in-water functional test of the vest, to familiarize the user with the flotation characteristics and to ensure proper functioning of the CO2 inflation mechanism. The test should be performed in the shallow end of a pool by actuating the CO2 inflation lanyard.

#### INSPECTIONS

While LSC has designed and manufactured the inflatable to be as reliable as possible, periodic testing and inspection are necessary to ensure functional reliability. The frequency of the inspection should be determined by the frequency and condition of use. However, the inspection shall not exceed six (6) months. Record inspections on the record inspection patch located on the inside fold on the left side of the vest.

#### VISUAL INSPECTION

Prior to each use, inspect the entire vest and components for the following: Quick-Release snap shackle and Quick-Release Safety Buckle for proper operation. Apply a light coat of a light lubricate, such as WD-40 to Quick Release Safety Buckle and snap shackle. Inspect knife for proper storage and pockets for proper equipment and security. Remove the CO2 cylinder and check the bottom for pin punctures in the seal of the cylinder. Discard the CO2 cylinder if punctured. Ensure that the inflator lever is in the up (armed) position and install a charged cylinder fully (1/4 turn after seal contact).

#### FUNCTIONAL INSPECTION

1. Pull beaded lanyard to inflate the bladder. Both sides of the vest should fully deploy. Deflate the vest by depressing the oral inflation tube valve and vacuuming or squeezing the CO2 out.
2. Inflate the vest through the oral tube with a low -pressure air source (2 psi max.) or by oral inflation. **CAUTION: DO NOT OVER INFLATE.** Damage to the bladder will result from overpressure. After four (4) hours, recheck the bladder for pressure. If the bladder has lost pressure recheck for leaks and replace the vest if required. Deflate the vest.
3. After deflation stow the oral tube valve. Reinstall a charged CO2 cylinder, and close side panels.

#### LEAK INSPECTION

Complete steps 2 and 3 as above.