



OWNER'S MANUAL

Inflatable SAR Vest

#482 (LPU-28 A/P)

WARNINGS & CAUTIONS

The Inflatable SAR Vest should not be worn by anyone under 110 lbs. or under 14 years of age.

If orally inflated, **DO NOT ACTIVATE THE CO2 CYLINDER.** Prior oral inflation will lead to excessive pressure, which may damage the flotation cell. Only use a 33-gram CO2 cylinder.

When replacing the CO2 cylinder, make sure the valve assembly-firing arm is repositioned to the full-up armed position. Failure to reposition the firing arm will cause the life preserver **NOT TO INFLATE OR INFLATE WHEN REPLACING CO2 CYLINDER.**

The Inflatable SAR Vest must be visually inspected prior to use, and functionally tested per inspection procedures.

Should the Inflatable SAR Vest be immersed in either salt or chlorinated water, the vest **MUST BE FRESH WATER WASHED.** Failure to fresh water wash the vest may cause corrosion to the CO2 cylinder, firing arm, and firing pin.

DO NOT inflate the Inflatable SAR Vest prior to jumping into the water if you are more than three to four feet above the water. **NEVER DIVE HEAD FIRST WITH THE VEST INFLATED.** This could cause severe personal injuries and damage the life vest.

DO NOT inflate the Inflatable SAR Vest below deck in a boat, ship or aircraft as you may be trapped under water in a cabin, which has been flooded.

DO NOT place the Vest in storage with chlorine as this may cause corrosion to the CO2 cylinder, firing arm, and firing pin.

DESCRIPTION

The Inflatable SAR Vest #482 is a compact, lightweight, over-the-head, Rescue Swimmer's inflatable flotation device. Designed to provide flotation characteristics normally only found in large, bulky Type 1 life preservers yet give the Rescue Swimmer the freedom to perform their duties and swim without interference. The Inflatable SAR Vest is self-righting and produces a positive righting moment (face up) with 35 lbs. of buoyancy. The Vest is normally inflated with a 33 gram CO2 cylinder (#484), or can be orally inflated with air through its oral tube. The Inflatable SAR Vest is built from heavy-duty 420-denier nylon for continuous wear, and contains a replaceable bladder. The Vest incorporates all currently approved changes to the U S Navy's

LPU-28A/P Rescue Swimmer Vest including the PRC-125 Radio Modification. The U S Navy approves vest for all Aviation and Surface Rescue Swimmers. The Vest utilizes a 33-gram CO2 cylinder (#484), included. NSN 4240-01-463-0197. One year Limited Warranty, see catalog for details.

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. Functional testing will require the replacement of the CO2 cylinder.

FACTORY SUPPORT

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

REPLACEMENT PARTS

#482-1	Replacement Bladder	#482-2	Manual Inflator w/Lanyard
#484	CO2 CYLINDER, 33 GRAMS	#HI015	PIN, SAFETY, RED
#479	Gasket Set, CO2	#484-S	CO2 Cylinder Seat Gasket

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.

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USING YOUR VEST

Prior to donning, check entire Vest for evidence of damage. The user shall make sure the valve assembly-firing arm is positioned in the full-up armed position and the activation lanyard is snapped in place. Remove the CO2 cylinder and check the bottom for pin puncture in the seal of the cylinder. Discard the CO2 cylinder if punctured and install a new cylinder fully into the inflator housing (1/4 turn after seat contact). Place Vest overhead. Secure and adjust the waist belt to fit snugly and tuck the excess belt under the flotation. The Vest can be inflated orally or by the manual activation of the CO2 cylinder. To orally inflate, pull the oral inflation tube out, which is located on the left front of the Vest. Press down on the valve and blow into the tube until the Vest is firm. To inflate with the CO2 manually, jerk the beaded lanyard down, which is located on the lower left backside of vest.

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 should not exceed six (6) months.

VISUAL INSPECTION

1. Inspect the entire Vest, fabric, webbing, hardware and other components for damage and corrosion.
2. Ensure that the inflator lever is in the up (armed) position.
3. Remove the CO2 cylinder and check the bottom for pin puncture in the seal of the cylinder. Discard the CO2 cylinder if punctured and install new cylinder fully into the inflator housing (1/4 turn after seat contact).

FUNCTIONAL

1. Pull beaded lanyard to inflate the bladder. Vest should inflate in 1 to 2 seconds. Deflate the cell by depressing the valve on top of the oral tube. After deflation, reinstall charged CO2 cylinder.
2. Inflate the bladder 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 can result from over inflation. Deflate and store oral tube.

LEAK INSPECTION

1. Inflate the bladder through the oral tube with a low-pressure air source. Adjust bladder pressure to 2 psi with a reliable gauge. Recheck pressure after 15 minutes and adjust to 2 psi if necessary.
2. After four (4) hours, recheck the bladder pressure. If the bladder has lost more than .40 psi, recheck for leaks, repair and repeat inspection. Replace the bladder if unable to repair and re-inspect. Deflate the bladder.