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PARA SWIMMER VEST SCOUT SWIMMER VEST



User's Manual

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Para & Scout Swimmer Vest User's Manual PN 18295

Para Swimmer Vest Hi-Viz BC1740701UV

Para Swimmer Vest Black 769041

Scout Swimmer Vest Hi-Viz BC1750701UV

Scout Swimmer Vest Black 769031

Please read the instructions in this manual carefully before using this product.

If you have questions regarding the use of this product, please contact Aqualung Military Professional via our website at www.milproaqualung.com

Warnings, Cautions and Notes

Pay special attention to information provided in Warnings, Cautions and Notes that are accompanied by one of these symbols.



A WARNING indicates a procedure or situation that, if not avoided, could result in serious injury or death to the user.



A CAUTION indicates any situation or technique that could cause damage to the product and could subsequently result in injury to the user.



A NOTE is used to emphasize important points, tips and reminders.

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General Precautions and Warnings



WARNING: Do not inhale from the oral inflator. The vest may contain harmful contaminants or gases, which could cause suffocation or injury.



WARNING: This vest is not approved for use in SCUBA diving.



WARNING: A vest is NOT a life jacket or rescue device! It is not designed to provide face-up flotation in all situations; therefore it does not meet regulations for a life preserver or personal flotation device (PFD). If you become unconscious in the water without a buddy present to immediately give you assistance, you may suffer serious injury or death from drowning.



WARNING: It is imperative that manufacturer prescribed service on the vest is performed by a manufacturer trained service technician according to the procedures outlined in our technical manual once a year under normal prescribed use OR more frequently if operating in an environment where harsh / heavy / in water or training use may exist.

Product Description

Our Para and Scout Swimmer vests are specifically designed for use in parachute or tactical swimming operations. Each vest is equipped with two 38 gram CO₂ cartridges with beaded pull handles for emergency flotation on the surface. The Para Swimmer Vest can be streamlined when worn by folding the side flaps inward.

Vest Component Identification



Donning and Adjustment Procedures

1. Place the vest over your head. Route both straps underneath your arms, through the D-rings and then tighten straps. (Fig. 1). Run excess strap through elastic bands.
2. Fully inflate the vest by loosening the knurl nut on the oral inflation tube and depress the oral inflator valve. Exhale into the valve until the vest is full (Fig. 2). If the fit is too tight, adjust the straps for comfort.



Figure 1



Figure 2

Pre-Use Inspection



WARNING: Before use, inspect the entire vest for leakage or other damage. If any part of the vest does not function properly, or it is damaged, return the vest to maintenance personnel for inspection.

1. Ensure that all stitched together components are not separating.
2. Check that the oral inflation tube and valve properly functions by depressing the valve and blowing into the tube. Ensure the knurl nut on the oral inflation tube turns freely.
3. Remove the CO₂ cartridges and inspect both actuators. Pull the green locking clip off each actuator. Pull the beaded handle on each side of the vest to ensure it releases properly. Operate each actuating lever to check the piercing pin travels up and down. Return the actuating lever to the firing position, reinstall the green locking clips and secure beaded handles into proper position. Re-thread the CO₂ cartridges into the actuator.
4. Perform a function check on the over pressure relief valve (OPRV) by fully inflating the vest and then squeezing the vest to ensure the OPRV opens allowing air to escape. Next, pull the beaded handle below the neck opening to ensure the dump valve is correctly working by allowing air to escape (Fig. 3).
5. Fully inflate the vest and set aside for 10 minute. Check the firmness of the vest after the time has elapsed. If leakage is detected, return the vest to maintenance personnel for inspection.



Figure 3



WARNING: Ensure the actuator is free of debris and the CO₂ cartridge washer is in place prior to re-installing the CO₂ cartridge.

Folding the Vest

Prior to each use, the vest should be placed in its proper configuration.



NOTE: Only the Para Swimmer Vest can be folded for streamlining.

1. Ensure the vest is clean and dry. Lay it flat (front side up) and deflate the vest.
2. Fold lower edge of the vest up until the bottom edge of the flap is visible underneath. (Fig. 4).



Figure 4

3. Fold each side in and overlap them until the CO₂ cartridges are visible on each side. (Fig. 5).



Figure 5

4. Secure the vest by laying the left flap over the right flap and fasten the hook and loop closure together tightly (Fig. 6).



Figure 6

Post-Use Care and Maintenance

1. Avoid prolonged exposure to direct sunlight and extreme heat. Nylon fabric can quickly fade when exposed to the sun's ultraviolet rays and extreme heat may damage the welded bladder seams.
2. Avoid repeated or prolonged use in heavily chlorinated water, which can cause the vest fabric to discolor and decay prematurely.
3. Do not allow the vest to chafe against any sharp objects or rough surfaces that could abrade or puncture the bladder. Do not set or drop heavy objects such as block weights on the vest.
4. Avoid any contact with oil, gasoline, aerosols or chemical solvents as this may damage the vest.
5. To preserve the life of the vest, rinse it inside and out with fresh water after every day of use, using the following procedure:
 - Unscrew the OPRV, then direct water through the port using a garden hose to flush the interior of the vest. Rethread the OPRV onto the vest and then thoroughly rinse the exterior.
 - Swish the water around to remove any mineral deposits, then invert the vest so the OPRV is the lowest point. Drain the water by pulling the beaded handle and cord assembly. Repeat the vest cleaning procedure as needed.
 - After rinsing, inflate the vest and allow it to dry inside and out.
 - Fully inflate the vest and set aside for 10 minutes. Check the firmness of the vest after the time has elapsed. If leakage is detected, return the vest to maintenance personnel for inspection.

Storage

Store the vest partially inflated, away from direct sunlight and in a clean, dry area. Do not store the vest in an enclosed space, such as a car trunk, where temperatures may fall below -18°C / 0°F or rise above 49°C / 120°F .

Transport

Do not allow the vest to chafe against any sharp objects or rough surfaces that could abrade or puncture the bladder. Do not set or drop heavy objects such as block weights on the vest. The vest should be exposed to temperatures no lower than -20°C / -4°F and no higher than 65°C / 150°F .

Inspection and Service

1. It cannot be assumed that the vest is in good working order on the basis that it has received little use since it was last serviced. Remember that prolonged or improper storage can still result in internal corrosion and/or deterioration of o-ring seals and other parts.
2. It is imperative that manufacturer prescribed service on the vest is performed by a manufacturer trained service technician according to the procedures outlined in our Technical Manual once a year under normal prescribed use OR more frequently if operating in an environment where harsh / heavy / in water or training exists. Manufacturer prescribed service consists of:
 - Complete overhaul of the CO₂ detonator. Reference Lit PN 18065 for CO₂ detonator service instructions.
 - Inflation test: Fully inflate the vest and set aside for 10 minutes. If a puncture is detected, utilize BC patch kit to repair the hole. Reference Lit PN 18301 provided with the repair kit.
3. DO NOT attempt to perform any disassembly or service to the vest. Doing so may cause the vest to dangerously malfunction. All service must be performed by a manufacturer trained service technician.

Technical Specifications

Para Swimmer Vest

Lift Capacity	9L / 21 lb
Harness	H Strap w/ D-rings
Over Pressure Relief Valve	Black - Universal Dump Valve Yellow - Low Profile Dump Valve
CO ₂ cartridges	Two 38 Gram
Material	Heavy Duty 420 Denier Nylon Bladder
Weight	908 g / 2 lb

Scout Swimmer Vest

Lift Capacity	9L / 21 lb
Harness	H Strap w/ D-rings
Over Pressure Relief Valve	Black - Universal Dump Valve Yellow - Low Profile Dump Valve
CO ₂ cartridges	Two 38 Gram
Material	Heavy Duty 1000 Denier Nylon Bladder
Weight	990 g / 2.18 lb

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