

MUSTANG SURVIVAL



OWNER'S MANUAL

MRV170 HYBRID RESCUE SWIMMER VEST

Manual inflation



WE SAVE LIVES FOR A LIVING

DO NOT REMOVE PRIOR TO SALE

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INTRODUCTION

This manual provides instructions and guidelines for safely using and maintaining Mustang Survival MRV170 Hybrid Rescue Swimmer Vest. The MRV170 has been designed specifically for professionals engaged in Rescue Swimmer and Search and Rescue (SAR) operations. The MRV170 has been tested and validated by the top rescue swimmers and instructors from around the world.

The MRV170 uses a combination of inherently buoyant foam and an inflatable cell to achieve a total overall minimum buoyancy of 26lbs when inflated. The device is inflated manually by pulling the inflation handle.

When worn, used, and serviced according to the instructions in this manual, the Mustang Survival MRV170 can greatly increase a user's chance of survival and effectiveness in the water.

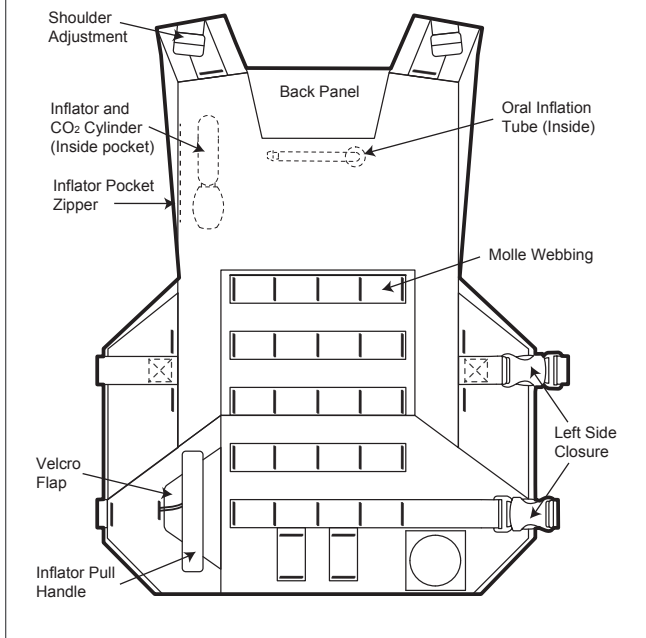
INFLATABLE PFDs

Inflatable PFDs are special devices in that the flotation is not derived from inherently buoyant materials. In order for them to do their job, you, the wearer, must do yours. This means you have the responsibility to ensure you are familiar with the operation and maintenance requirements of your inflatable PFD. You must also be aware of the limitations of the device and know that this device is not approved by the U.S. Coast Guard or Transport Canada and does not meet the mandatory carriage requirements in the US or Canada. It is a buoyancy aid only.

Read your owner's manual, it could save your life!

FIG. 1

MRV170 HYBRID RESCUE SWIMMER VEST



INSTRUCTIONS FOR USE

GETTING TO KNOW YOUR PFD

As with any safety equipment, it is important to take the time to get to know your new PFD. Practice putting on your PFD, familiarize yourself with re-arming and know how it will perform.

To create the inflated buoyancy in your PFD, it can be inflated with either CO₂ gas using the inflator, or can be inflated with air using the oral tube. Inflating your PFD with CO₂ will happen manually by using the pull handle. The advantage of inflating with CO₂ is that it is quick and does not require a lot of effort from the wearer. The disadvantage is that you need to re-arm your PFD before you can inflate it with CO₂ again (see "Re-Arming your inflatable PFD" on page 4).

Inflating your PFD with air is done by blowing air into the oral inflation tube. The advantage of inflating your PFD this way is that you do not need to re-arm your PFD when you are finished using it. The

disadvantages are that it takes longer to inflate your PFD, and you are at risk of double inflation. For details on double inflation see page 4. For instructions on inflating your PFD see "Inflating your PFD" on page 4. It is important to inspect your PFD on a regular basis to make sure that it is ready to go in case you need it.

IS YOUR PFD IN GOOD AND SERVICEABLE CONDITION?

Check your PFD between uses to be sure that it is properly armed; that it is free of rips, tears or holes; that all seams are securely sewn; and that the fabric, straps and hardware are still strong. Inspect the inflatable portion of your PFD in accordance with the Care and Maintenance Instructions (see "Care and Maintenance Instructions" on page 5).

PUTTING ON YOUR PFD

It is important that your inflatable PFD is properly adjusted to fit your body shape. An incorrect fit could result in poor performance. All belts and straps are already threaded correctly and only need to be adjusted to a tight personal fit.

1. Open left side closures and put the PFD on over your head, ensure the product is not put on backwards by following the BACK indication on the inside label.
2. Fasten the left side top and bottom buckles.
3. Adjust the top left and right webbing straps at the same time and the bottom left and right webbing straps at the same time, by pulling the free ends of the webbing towards your front.
4. Continue to equally adjust the left and right waist belts until there is no slack in the webbing, and there is no movement of the PFD on your body.
5. To ensure your PFD is tight enough, pinch each side of the waist belt. If you can pinch the waist belt together, it is not tight enough. Continue to adjust the left and right waist belts.
6. Roll ends of webbing and secure in belt keepers.
7. Adjust left and right shoulder straps to a tight personal fit.

IMPORTANT: Do not wear inflatable PFDs under clothing as the inflation could be restricted or you could be injured.

INFLATING YOUR PFD

MANUALLY INFLATING YOUR PFD

To manually activate the inflation system, firmly grasp the pull handle and quickly down pull from the vest until the pull handle releases from the velcro flap, and the inflator activates.

ORALLY INFLATING YOUR PFD

To orally inflate your PFD, first access the oral inflation tube inside the front top of your PFD. Grasp the tube and pull it towards your mouth. Depress the spring-loaded valve. Blow into the tube to inflate.

IMPORTANT: DOUBLE INFLATION

DO NOT MANUALLY ACTIVATE THE INFLATOR WHEN YOUR PFD IS FILLED WITH AIR. Doing so will result in excessively high pressure within the inflation chamber, which may cause permanent damage.

DEFLATING YOUR PFD

1. To deflate your inflatable PFD, depress the spring-loaded valve. The valve will not lock in the deflate position so it is necessary to hold it in place.
2. Gently squeeze your inflatable PFD until all air or CO₂ has been expelled.

RE-ARMING YOUR INFLATABLE PFD

To re-arm your PFD, you will need Mustang Survival's Re-Arm Kit MI5700, which includes one 16g CO₂ cylinder.

1. Check that the seal on the new CO₂ cylinder from MI5700 has not been pierced. If there is a hole in the seal, the CO₂ cylinder is empty and must not be used to re-arm your device.
2. Replace pull handle into velcro flap on lower right hand side of the product.
3. Un-zip the inflator pocket and remove the used cylinder from the inflator by rotating counter-clockwise. Discard.
4. Re-seat pull handle lever and install red-retention clip.

5. Install new cylinder from MI5700 by rotating the cylinder clockwise into the inflator. Firmly tighten into place.
6. Close zipper on inflator pocket.

USAGE BELOW FREEZING [0°C / 32°F]

If you choose to use your PFD below freezing, performance will not be as expected. Below freezing, a discharged cylinder may not fully inflate your PFD to the intended pressure. You will need to rely on your back up oral inflation system to adjust the internal pressure to achieve adequate buoyancy (see "Orally inflating your PFD" on page 4).

CARE AND MAINTENANCE INSTRUCTIONS

It is important to care for and maintain your inflatable PFD in order to ensure it will perform as designed when you need it. We recommend keeping a record of the inspections performed on your PFD. If you are not confident in the self inspection and servicing of your inflatable PFD in accordance with these instructions, contact Mustang Survival customer service.

BEFORE EACH USE:

- Remove the cylinder by unscrewing counter-clockwise. Check that the cylinder seal has not been pierced. If it has been, your PFD needs to be re-armed. See "Re-Arming your inflatable PFD" on page 4. If it has not been pierced, replace the cylinder by screwing clockwise, and firmly tightening into place.
- Ensure the manual pull-tab is accessible and secured in place.
- Visually examine your Inflatable PFD for damage or excessive abrasion, wear, tear or contamination. If any item shows signs of damage, perform the inspections listed in the "Every Six (6) Months" inspection details.

EVERY SIX (6) MONTHS:

In addition to the inspections specified for before each use, perform the following at least every 6 months, or more often if exposed to potential damage or used in extreme conditions.

- **Leak Test:** Your Inflatable PFD should be tested for leakage by inflating with air through the oral tube until firm, and leaving

it to stand for at least 2 hours in a temperature controlled environment. A leaking Inflatable PFD will not hold its firmness and should be replaced. If your Inflatable PFD leaks, contact Mustang Survival Customer Service.

ANNUALLY:

In addition to the inspections specified for every six months, perform the following at the beginning of each boating season or whenever the integrity of your PFD is in doubt:

- Thoroughly check all components for dirt or corrosion. Clean or replace, as necessary. Particular attention must be paid to the stitching, straps and hardware. If in doubt, contact Mustang Survival Customer Service.

DO NOT ATTACH PFD'S TO YOUR BOAT

Each PFD has straps, hooks, buckles, or other means for securing the device in place on the wearer. Some PFDs also incorporate decorative D-rings or tabs. Such items are not to be used to attach the device to the boat. Attaching the device to the boat will not permit it to perform as intended.

WARRANTY INFORMATION

LIMITED WARRANTY

Mustang Survival products are warranted to be free from defects in materials and workmanship for a period of one year from the date of purchase by the initial purchaser (the Customer End user) under normal and intended conditions and use. Proof of purchase may be required at the discretion of Mustang Survival. Products, which, in the sole judgment of Mustang Survival, have received excessive or abusive use or have been altered in any way by a dealer, the Customer or any other person, will not be covered by this limited warranty. Mustang Survival requires return of the product (postage or delivery costs prepaid by Customer) for inspection before determining whether the product will be covered under limited warranty. A return authorization is required before the goods are returned and should be obtained by contacting our Customer Service Department. Once returned, Customer Service, Quality Assurance and Sales Departments inspect the product as required. It is then determined whether the product

will be covered under this limited warranty. If the product is deemed to be covered under our warranty policy, it will either be repaired or replaced at the sole discretion of Mustang Survival at no charge to the Customer. The only obligation or liability of Mustang Survival under this limited warranty is to repair or replace the product and Mustang Survival shall not, under any circumstances be liable for loss of use or any consequential damages sustained by the Customer. All other warranties expressed or implied, and remedies with respect to the condition or use of the product, which might otherwise be provided by law in any jurisdiction, are specifically excluded.

Mustang Survival has been providing lifesaving solutions for over 45 years. Through constant innovation and the application of new technologies, Mustang is the leading supplier of quality flotation and hypothermia protection products to the most demanding users — from fishermen, sailors and commercial mariners to the Coast Guard, fighter pilots and even NASA astronauts.



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Our commitment to quality has earned our Burnaby facilities ISO 9001 registration, the highest of all international standards. This is our guarantee you're receiving the ultimate in design and manufacturing.

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