



**OSRE**  
SPECIALIST RESCUE EQUIPMENT

BY **NORTHERN DIVER**

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**PFD MANUAL**

# NORTHERN DIVER PFD MANUAL

Thank you for purchasing this Northern Diver PFD. To help ensure your future safety, do not use this product before reading this manual. It is important to fully understand its proper handling for safe usage.

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For the latest information about all Northern Diver Specialist Rescue Equipment please visit [www.ndiver-rescue.com](http://www.ndiver-rescue.com)



## WARNING!

**Personal Flotation Devices fitted with a chest harness should only be used by personnel who have received the appropriate training by a qualified instructor.**

**Before use, ensure the PFD is the correct size. Do not use if the PFD is either too large or too small. Please adjust the PFD correctly as per the instructions provided in this manual.**



Northern Diver PFDs conform to the provisions of **Council Directive 89/686/EEC** and complies with the test procedures set out in **BS EN ISO 12402-5:2006** and **BS EN ISO 12402-6:2006**.

**Please check your PFD label for product specific details.**

### PFD label

The label inside the PFD you have purchased will look similar to the one illustrated (right).

The label will give instructions for use and sizing information specific to that PFD.

It is vital that your PFD is correctly adjusted to fit you properly. An incorrectly fitted PFD or fastening will impair performance and may lead to the PFD slipping or moving when worn in the water.

Do not try to repair any damage to the PFD yourself - This could potentially cause more damage and render the PFD irreparable and void the warranty.

BUOYANCY AID PERSONAL FLOTATION DEVICE INHERENT BUOYANT MATERIAL	
<b>50</b>	
ARCTIC SURVIVOR EVO PRO 5	
S 150cm/50"	76 kg >= 170lb
M 175cm/55"	95 kg >= 110lb
L 182cm/56"	115 kg >= 120lb
XL	
SERIAL NO	
DATE OF MANUFACTURE	
EN ISO 12402-5:2006	
EN ISO 12402-6:2006	

## Care and maintenance

It is recommended that you regularly inspect your personal flotation device including the buckles, stitching, webbing tears, abrasion, UV damage and the outer fabric cover for any signs of excessive wear or damage. A visual inspection should be completed every 6 months.

A full annual inspection is recommended as part of any standard operational procedure. If any significant damage is found, the PFD should be returned to Northern Diver for further inspection to the address shown below.

Following use the PFD should be rinsed with fresh water to remove any dirt or salt residue, which could potentially cause premature wear. If the PFD has been exposed to contamination, please contact Northern Diver for details of what products are recommended to de-sanitise the PFD.

Hang to dry thoroughly and store away in a well ventilated area to prevent mould growing on the PFD. Keep out of direct sunlight or any radiant heat source (prolonged exposure to sunlight will deteriorate the fabric). Store in a suitable kit bag or locker.



### **IMPORTANT!**

**Do not crush the PFD when storing. The foam will deform over time if heavy objects are placed on top. Do not machine wash. Do not dry clean.**

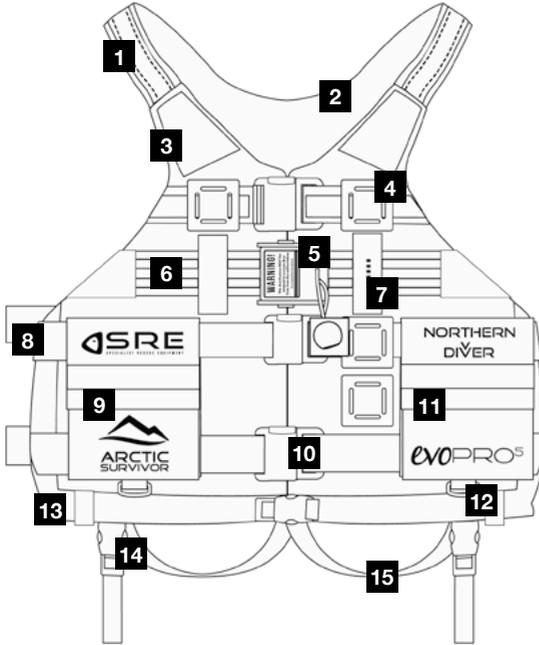
For PFD testing and servicing, please contact [craig@ndiver.com](mailto:craig@ndiver.com) for further information.

FOA Rescue Dept.  
Northern Diver International Ltd  
East Quarry  
Appley Lane North  
Appley Bridge  
Wigan, UK  
WN6 9AE

PFD's have a 12 months warranty.  
Terms & conditions may apply contact us for further details.

## Environments

Northern Diver PFD's can be used in all river, lake and ocean environments including aerated moving water, flood waters and surf.



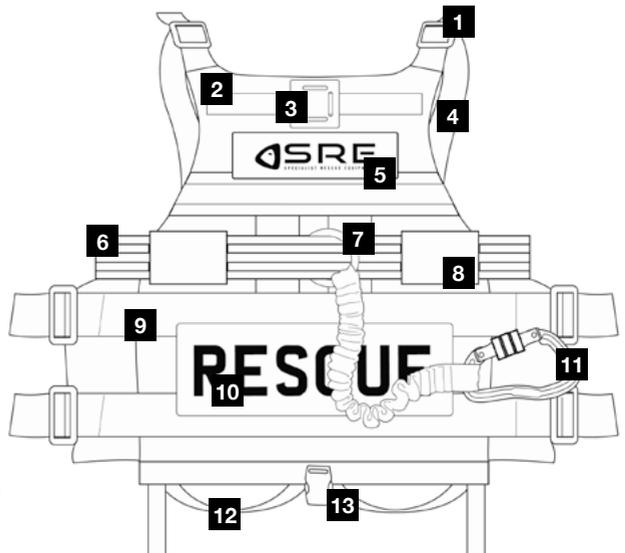
### PFD front view

1. Adjustable shoulder straps
2. 500D Cordura® / rip-stop nylon
3. Reflexite® prismatic banding
4. 4-way lash tabs
5. Cam buckle and warning sticker
6. 50mm chest harness
7. Reinforced stitching in high wear areas
8. 38mm nylon webbing straps
9. Right Velcro close pocket
10. Quick release buckles
11. Left Velcro close pocket
12. Plastic d-rings
13. Anti-slip waist band (selected models only)
14. Quick release fix-loc buckles
15. Removable crotch straps

Please note illustration is only for reference as a guide and may differ from PFD you have purchased.

### PFD back view

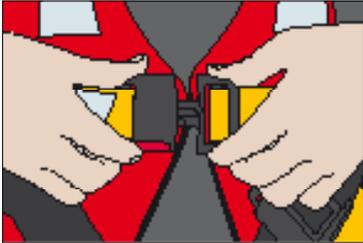
1. Adjustable shoulder straps
2. Reflexite® prismatic banding
3. 4-way lash tabs
4. ISO approved internal soft flotation foam
5. Removable encapsulated panel
6. 50mm chest harness
7. 316 stainless steel O-ring
8. Webbing loops
9. 38mm nylon webbing straps
10. Removable encapsulated panel
11. Carabiner
12. Removable crotch straps
13. Quick release fix-loc buckles



Please note illustration is only for reference as a guide and may differ from PFD you have purchased.

## Putting on the PFD

To ensure the correct fitting please perform the following steps.



Prior to putting on, ensure all straps, including the shoulder straps, are extended to their maximum length.

Starting from the bottom and working upwards, clip the quick release buckles into place (illustrated left).

## Adjusting the PFD



Tighten the top webbing strap by placing one hand on the buckle and pulling the webbing strap with the other hand (illustrated left).



To ensure the PFD is fitted correctly tighten the two webbing straps on each side of the PFD.

Starting from the bottom, place your hand on each of the side webbing straps and simultaneously pull each one forward to tighten (illustrated left).

Repeat this process for all side webbing straps.



Next, locate the adjustable webbing straps on both shoulders and simultaneously pull each one forward to ensure the correct adjustment and fit. Having followed these steps, the PFD should now fit close to the body.

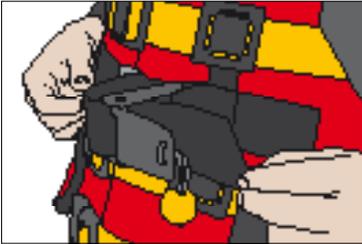
Attach the crotch strap buckles into place and adjust until it is comfortable.



### **WARNING!**

The PFD can be used without the crotch straps being fitted depending on your own operational risk assessment.

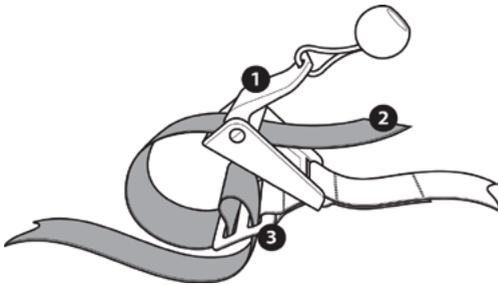
### Adjusting the chest harness and cam buckle.



Open the plastic cam buckle and thread the 50mm chest harness through the cam buckle and close ensuring the chest harness is held tight in its grip.

Take the loose end of the chest harness and thread into the webbing loop located on the left side of the chest (illustrated left).

### Threading the chest harness through the cam buckle.



The loose end of the chest harness should be threaded through the metal Tri-glide and cam buckle (illustrated left).

1. Cam buckle
2. Loose end of chest harness
3. Metal Tri-glide

### Removing The PFD

To remove the PFD, reverse the procedures for putting on. In an emergency situation, you will note that the quick release buckles are designed for one-handed release, simply squeeze the red button.

If the PFD is only for your personal use you can leave all webbing straps set to the adjusted lengths.

## Pre-fitting the cowtail

The cowtail is supplied fitted to every PFD purchased from Northern Diver. However should you need to re-fit the cowtail, please proceed as follows instructed below.



Open the cam buckle on the chest harness (this is the buckle with the yellow toggle attached) and unthread the chest harness through the webbing loops on the PFD.

To ensure the cowtail is fitted in the correct position the stainless steel o-ring must be threaded through the chest harness and be positioned between the two webbing loops on the back of the PFD (illustrated left).

To finish fitting make sure the chest harness is threaded through **ALL** webbing loops of the PFD.



When the cowtail is not being used you must ensure you clip the carabiner onto the chest harness (illustrated left). This helps prevent the cam buckle from opening and the chest harness and cowtail from being released.

Although unlikely, it is possible for the cowtail or chest harness to become entangled this can prevent easy release. Adequate training and experience in the use of a cowtail tethered PFD is essential.

Do not use if you are not qualified. Do not attach the cowtail or carabiner to any webbing that is permanently fixed to the PFD.



### **WARNING!**

**Pulling on the yellow toggle that is attached to the cam belt will release the cowtail. Do not use PFD if you are not qualified. Do not attach the cowtail or carabiner to any webbing that is permanently fixed to the PFD.**

**If you are using a carabiner to attach to the back of the PFD rather than a fixed stainless steel o-ring, please ensure that you use a screwgate type carabiner to avoid accidental hook up which could affect your positioning and stability in fast moving water.**

## PFD accessories

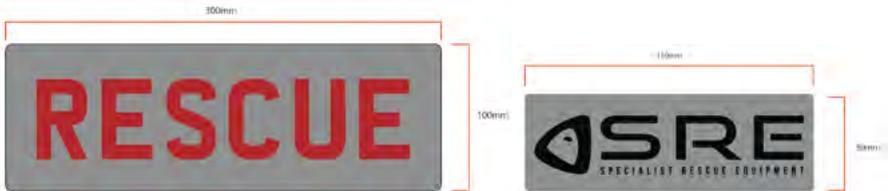
All accessories are available to buy online at [www.ndiver-rescue.com](http://www.ndiver-rescue.com) or call Northern Diver to place your order with us on +44 (0) 1257 25 44 44.



### Encapsulated panels

PFD's come with reflective panels as standard but you can order customised panels with your choice of logos or wording.

Customers must contact us to request this service.



Custom encapsulated panels are available in two sizes as shown above.



### PFD Crotch Strap

One size, style may vary.



### Peeless Whistle

Orange only.



### Cowtail & Carabiner

One size, style may vary.



### Carabiner

Styles may vary.

All accessories for PFD's can be found online at [www.ndiver-rescue.com](http://www.ndiver-rescue.com)



Find Us Online.

**View our extensive product range**

**[www.ndiver-rescue.com](http://www.ndiver-rescue.com)**



**[www.ndiver-rescue.com](http://www.ndiver-rescue.com)**

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Email: [info@ndiver.com](mailto:info@ndiver.com)

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