



TECH HARNESS WITH BACKPLATE USER MANUAL





The Tech Harness with Backplate

Tech Harness with Backplate is made for both beginners and for more experienced divers.

The material used is; Backplate in aluminium, 1000D Nylon padding and Elastic lumbar support. Nylon Webbing with Alu buckle. Stainless steel D-rings.

The Tech Harness with Backplate is only supported to be used with the Poseidon Rebreather and RB Wing. Refer to Technical Data at the end of this manual for determination of compatibility.

Approvals/Certifications

The Tech Harness with Backplate are approved according to the EU Directive for Personal Protective Equipment, 89/686/EEC and meets or exceed the requirements of:

EN 1809:1997

Type examination certificate number 0078/806/136/0513/0011,
issued by;

Institute National de Plongée Professionnelle
Entrée n°3 - Port de la pointe Rouge
13267 Marseille Cedex 08
France

Notified body number 0078.

Independent performance testing according to directive and standards is conducted at accredited laboratories INPP, Institute National de Plongée Professionnelle, Marseilles.

Poseidon Diving Systems AB is certified according to ISO 9001.



Text, photographs and figures copyright © 2008-2013 by Poseidon Diving Systems AB.
ALL RIGHTS RESERVED. Manual Version 1.0 - May 2013.



WARNING:

Read user's manual before use

This is not a lifejacket: it does not guarantee a head up position of the wearer at the surface.

Safe use of this product requires instruction in buoyancy control from a certified instructor.

Inspect all components of this product for proper operation, damage, wear or leakage before each use.

Do not inhale gases from inside bladder.

Rinse with fresh water thoroughly and drain after use.

Store partially inflated.

Diving is a strenuous physical activity. Its difficulty may be increased by conditions such as cold water, poor visibility, hard work, and increased depth. Always try to exercise prudent judgement when determining whether or not to dive. Never dive when tired or in poor health.

Check that weights can be dropped off freely. If Tech Harness with Backplate is used without weight pockets, make absolutely sure the weight belt is not entangled when put on. If it is entangled it can be prevented from dropping off freely, and your emergency ascent can be jeopardised.

WARNING:

You must be familiar with the procedure to drop weights in case of an emergency ascent. Practice this procedure prior to your first use of your Tech Harness with Backplate in a perfectly safe environment, i.e. in confined water which is not deeper than 3 meters.

Modifications of the product beyond what is described in this manual are prohibited. Modifications can impair the function of the Tech Harness with Backplate, and transfers the responsibility to the person who does the modification.

Before use of the Tech Harness with Backplate in any configuration, you must have proper dive training and hold a certificate for diving from a recognised training organisation. As part of this training, you must have learnt how to establish neutral buoyancy, how to adjust the amount of ballast weights, safe descent and ascent techniques, inflating and deflating a BCD, donning and doffing both above and under the surface. With your new Bessea you must practice these procedures again, and adjust the amount of ballast weights you may be used to.

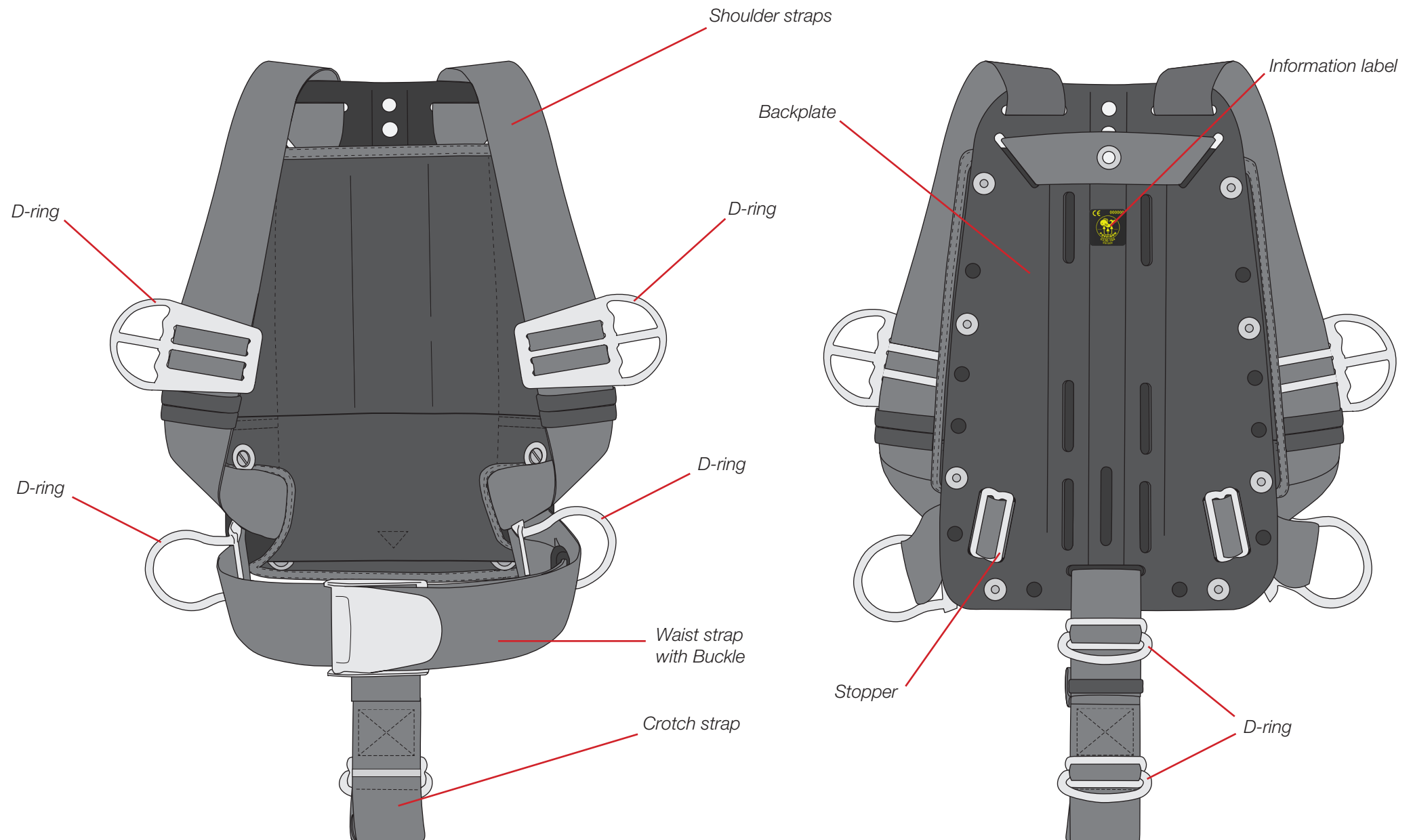
Retain this manual for your reference. Review this manual periodically, and prior to diving.

Improper use, or misuse, of this harness or buoyancy compensator could result in serious injury or even death.

Diving deeper than 50m the requirement of EN 1809 for time to completely inflate bladder will be exceeded.

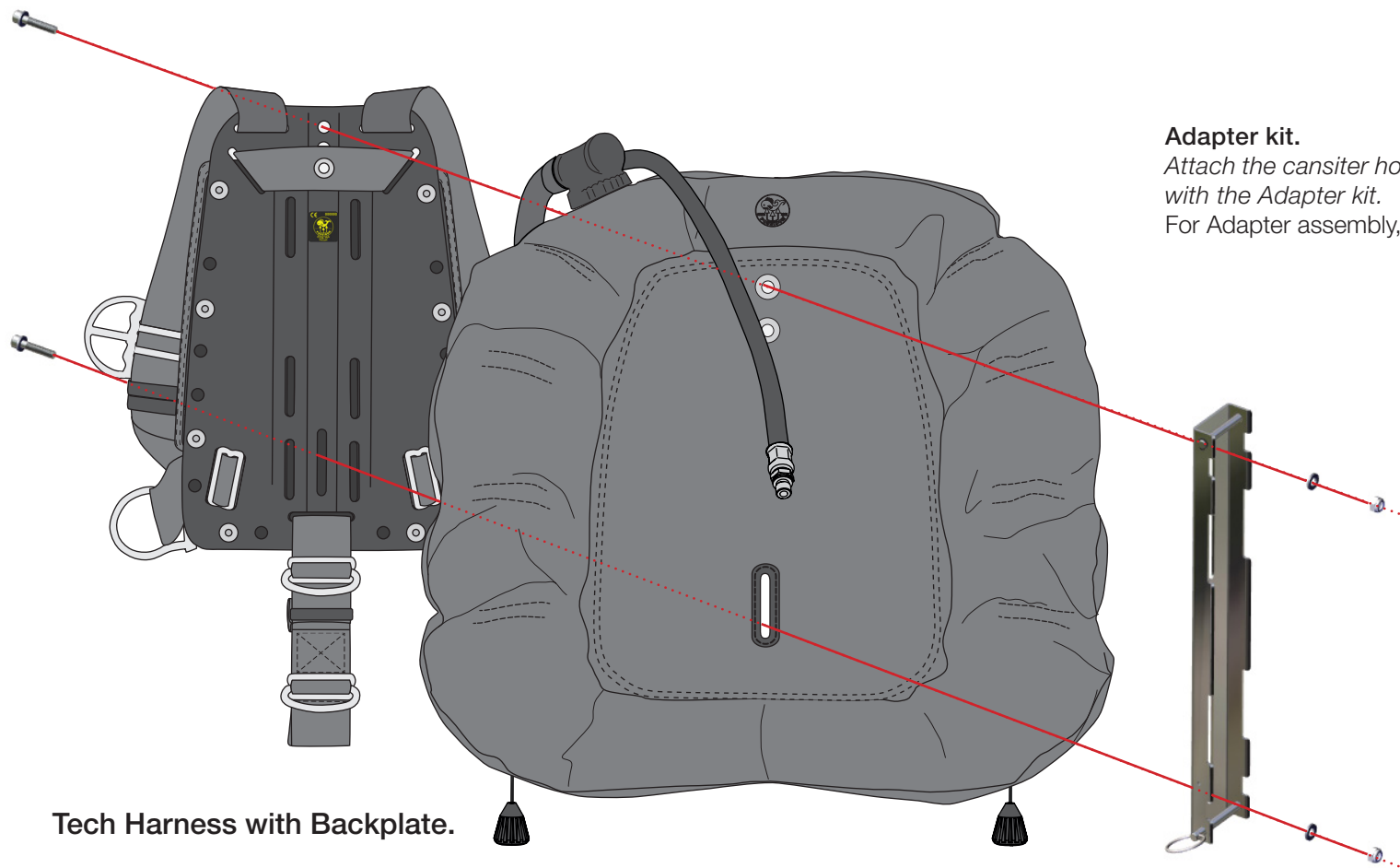


Functional Overview





Assembly

**Adapter kit.**

Attach the cansiter housing to your RB Wing with the Adapter kit.

For Adapter assembly, see separate manual.

Rebreather.

For assembly, see separate manual.

Tech Harness with Backplate.

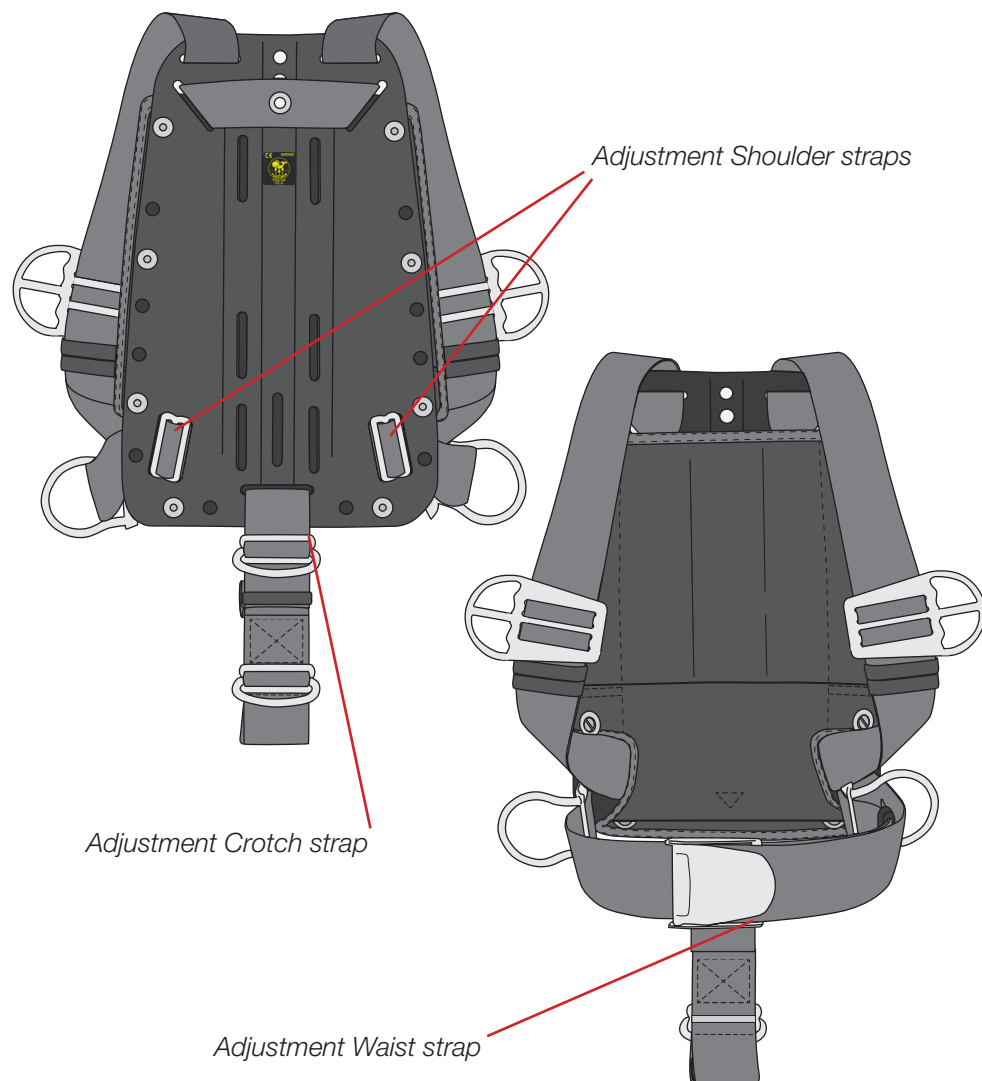
RB Wing
See separate manual.





Donning

Adjust shoulder strap buckles, waist belt buckle and crotch strap buckle.
Ensure you have adjusted the Tech Harness size to fit perfectly with the equipment you intend to use.



Pre Dive Checks - Diving

Do not dive with a Tech Harness that is damaged or does not function properly. Before each use inspect for proper operation or damage.

Terminate any dive as safely and quickly as possible if the Tech Harness becomes damaged or does not function properly.

Always perform a pre-dive and post-dive inspection of the Tech Harness.

Have your dive partner perform a crosscheck as well. The pre-dive and post-dive Tech Harness examinations help identify equipment problems before unsafe conditions exist.

Make absolutely sure your weight system is not entangled, and can be dropped off freely.

Check that you can reach the handles of your weight system to release your own weights.

If a crotch strap is used, check that it is locked and that it does not prevent the release of weights.

After Dive

After finishing your dive start with undoing your weight belt.

Then undo in the following order crotch strap, waist belt, and then the shoulder straps.

Let a buddy help you to lift off your Tech Harness and your breathing apparatus and put it lying on the ground or on the deck.

Rinse the Tech Harness with fresh water outside and inside after dive.

Always let your Tech Harness dry completely before storage over a longer period.

Maintenance

No other maintenance procedures that you can do yourself other than those described in section After Dive is needed. If your Tech harness is heavily contaminated and dirty, or after your last dive for the season, it is possible to wash the soft components in a washing machine. Tumble drying is prohibited.

Always let your Tech Harness dry completely before storage over a longer period. Store in a place which is not exposed to extreme temperatures or direct sunlight.

Avoid prolonged or repeated exposure to chlorinated water, such as in swimming pools. Wash your BC immediately after any use in chlorinated water. Chlorinated water can oxidize fabrics and materials on your BC, shortening its life, and cause colours to fade. Damage and fading from prolonged exposure to chlorinated water is specifically not covered under warranty.



Servicing

It is extremely important for your safety that you keep your equipment in good condition. You need not carry out any other maintenance than described in previous section.

If you need help or spare parts, look for the POSEIDON Authorised Dealer sign.

Technical Data

Article no: 0336 - 164

Webbing: Nylon

No of D-rings: 6

D-rings material: Stainless steel

Dry weight: 1.8 kg

Accessories

Rebreather Wing

QMR Adapter

11 inch adapter

Weight pocket

WARNING:



This Tech Harness with Backplate is only intended for use with the Poseidon MKVI Rebreather and Poseidon Tech with 2x3 liter cylinders.

This is not a lifejacket: It does not guarantee a head up position of the wearer at the surface.