

Kwark Heated Vest User Manual

Dear User,

before using the vest, it is necessary to read this manual and follow its recommendations. This will ensure the safe operation of our vest during diving and significantly extend the time of its trouble-free use. This product is intended for people diving in dry suits in cold waters. It is suitable for working in a damp environment, but it should not be submerged – in the event of submersion, the heating must be turned off. The materials used in production provide very good thermal insulation. This allows for effective retention of the heat generated by the heating elements.

When using the heated vest, please keep the following points in mind:

- **When planning a dive, consider that using a heated vest affects the saturation of the blood with breathing gas components. Plan your dives conservatively.**
- **Always plan your dives so that the capacity of the battery used is sufficient to operate the heated vest for the entire duration of the dive.**

Internal batteries must not be used to power the vest. The vest is designed to be powered by an external battery with a voltage of 12V. Due to very good thermal insulation and high heating power, we recommend using a battery with adjustable power. The vest should not be worn directly on the skin. We recommend wearing thermal underwear that wicks moisture away from the body; cotton underwear or any other that retains water should be avoided. To prevent heat stroke or skin burns, batteries with a voltage higher than 12V should not be used, and power should be adjusted or turned off when the external temperature rises.

The vest can be machine washed using gentle soap-based detergents. Before washing, the heating system must be removed. To do this, unzip the internal zippers and remove the heating panels from their pockets, threading the plug inside through the gland. After washing, insert the panels back in their designated positions and lay them flat without creasing. In the event the vest is completely soaked, do not wring or spin it before removing the heating panels. Dry it hung on a hanger.

To ensure long vest life, handle the heating panels with care. Keep them away from sharp objects. Damaging the heating cable will cause a malfunction. Panels must not be bent or folded. Special attention should be given when packing and transporting. Fold the zipped vest in half between the panels and lay it flat in the provided bag. When packing other luggage, make sure the packed vest is not rolled or crushed under any heavy object.

To ensure maximum safety, check the condition of the plug and power cable before use, turn on the vest, and test by running your hand along the panels from the inside to see if there is any significant increase in temperature in any spot. If one of the panels is cooler than the others and one spot is noticeably hotter, this indicates a malfunction. Power should be disconnected and the seller contacted for repair.

If there is no heating despite the battery being connected, check the fuse. It is located in a waterproof casing at the bottom front, accessible by moving aside the zipper.

The heating system must not be modified or repaired. Any interference will result in the loss of warranty.

We do not know the effect of the magnetic field generated by the vest's heating element on pacemakers, so we advise against its use by people who have one.