



Golem Gear

Q-Vest, drysuit heater and EQ-System, illumination and heating system

Warning!!

- Read and follow the manual before use.
- Use only in dry-suit while diving.
- Use with supplied battery source only!
- Charge with supplied charger only!
- Do not iron, wash in washing machine, dry clean, or bend the vest.
- Do not use directly against skin.
- The vest must be switched off when out of the water.
- Switch off immediately when drysuit is flooded or when malfunction is suspected.
- Do not disassemble or modify the vest.
- Do not combine with other heating sources.
- Do not use when wet.
- Do not use while sleeping.

Q-Vest

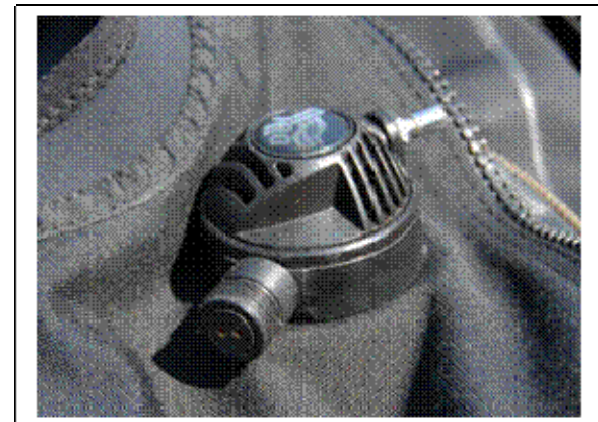
The Q-vest is designed as a modular system consisting of a vest, bulkhead connector block and an external battery canister. This configuration allows diver to wear the vest under the drysuit without additional bulk and dangers associated with internal batteries.

The vest outer shell is made from abrasion and tear resistant Cordura. Sewn-in are rubber coated heating element panels, 3 on the back and 2 on the front. The vest is designed to be worn over thin form fitting thermal wear and under the drysuit underwear. In this configuration the majority of the heat output is transferred directly on diver's torso and the thick drysuit underwear keeps the heat in.



Bulkhead Connector Block

The bulkhead connector block is a screw-in part that is inserted under the drysuit inflator valve. There is no need to cut another hole in the drysuit when installing the Q-Vest. The profile of the drysuit inflator is raised by 3/4" to accommodate the wet socket of the connector.



Battery Canister

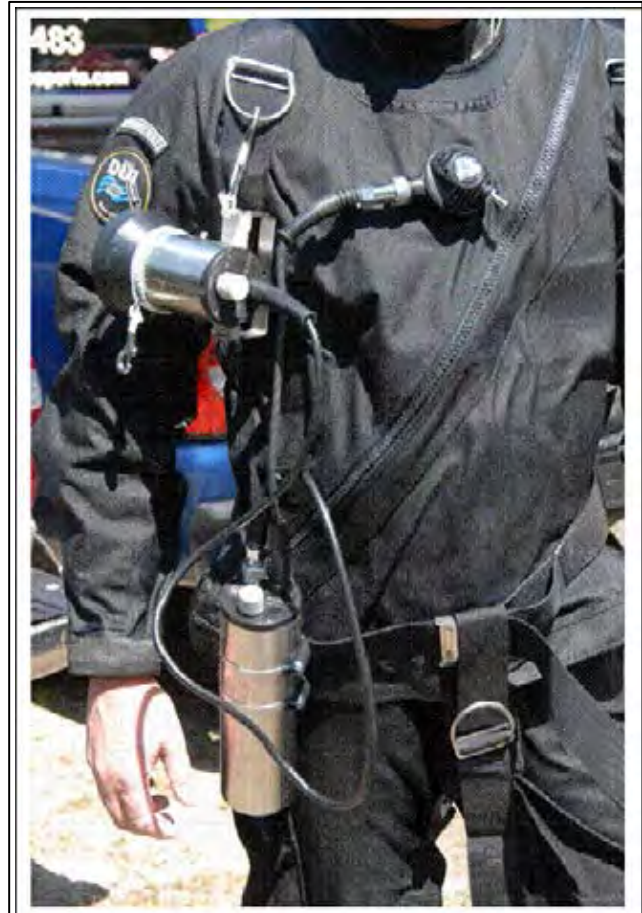
The stainless Steel battery canister has rotary switch and charging port. It is designed to mount on diver's waist belt on the left or right side with screw-in wet plug cable comfortably reaching the socket on the bulkhead connector block. The rotary switch on the battery canister allows diver to set three levels of heat output as well as to completely switch the heat off. The Q-Vest is powered by 12V 11Ah NiMH battery providing several hours of comfortable heat output.



EQ-System

The charging port in the battery canister has dual functionality, it can also serve as a power source for a selection of dedicated HID lights. Three light heads are currently available for use with the EQ-System, 10W HID, 15W LED, and 35/50W primary/video HID. All dedicated Q-Vest lights have an on/off switch on the light head which allows the light to be operated independently from the Q-Vest power output levels. Addition of primary light heads to the Q-Vest provides unique streamlined underwater illumination and heating system. During main part of the dive, the diver is usually active enough so the auxiliary heating is unnecessary, but the primary HID light is being used. During decompression the light is switched off and the Q-Vest is activated providing additional thermal comfort.

We believe that this new product will make your long deco hangs and cold water dives more comfortable, even downright toasty.



Lights available with the EQ System

- 10W HID
- 15W LED
- 35/50W primary/video HID (two interchangeable reflectors, one wide angle for video and one colimated for regular diving)



Installation Instructions

Install bulkhead connector

Unscrew your existing inflator, follow drysuit manufacturers instructions to remove it.
Screw in the original inflator into the top of bulkhead connector.
Make sure that enclosed o-ring is around the thread.



Install the bulkhead connector through the drysuit opening; pull the wire through the inflator nut. You might have to drill the opening bigger to pull the connector through.



Tighten the nut to ensure seal.



Alternatively you can use our Low Profile Inflator-Bulkhead combo with supplied nut.



Important!!!

The wet connector must be tightened into the bulkhead socket while powered.

The connector terminals are sealed by o-rings surrounding them. If the connector is not plugged all the way in and tightened while in use, strong electrolysis will erode the terminals!

The warranty does not cover this damage.



Specifications:

Max heat output: 60W

Battery: 12V, 11Ah NiMH pack in SS waterproof case with regulated output

Battery duration at full power: 2hrs 12 minutes

Charger: 100-240V 50/60Hz

Charge time: 6-18 hrs

Size L: 18" long, Size XL: 22" long

