



Power Heated Undersuit Series



Take the **SUN** with you while diving.



**Power heated inner layer for wetsuit
It turns any wetsuit into a Heated
Wetsuit**

Do not dive without it !

No matter if it's cold or very cold or freezing out there. Even if you are ready to dive into icy cold water. With this new advanced Thermalution® Heated Undersuit, you can enjoy a much much much warmer dive. Under the harshest of conditions, it always keeps you warm inside.

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Thermalution® heated undersuit adapted with the most advantage thermal system, battery operated for both wetsuits and drysuits.

Short Sleeve



Sleeveless



MADE IN TAIWAN

Gearing Up for Cold Water Activities

When most people are putting their equipment into winter storage, you will be ready for a season of cold water activities with our climate management garment: Thermalution® Power Heated Undersuit! You can now remain active in water sport throughout the year!

URNS YOUR
ORDINARY
WETSUIT INTO A
COMFORTABLE
HEATED WETSUIT.

Thermalution® Power Heated Undersuit

Thermalution® Heated Undersuit is the first power heated aqua clothing, designed to keep you super warm for cold water activities by using fiber-heating elements which conduct electricity that generate heat and heat up your core temperature.

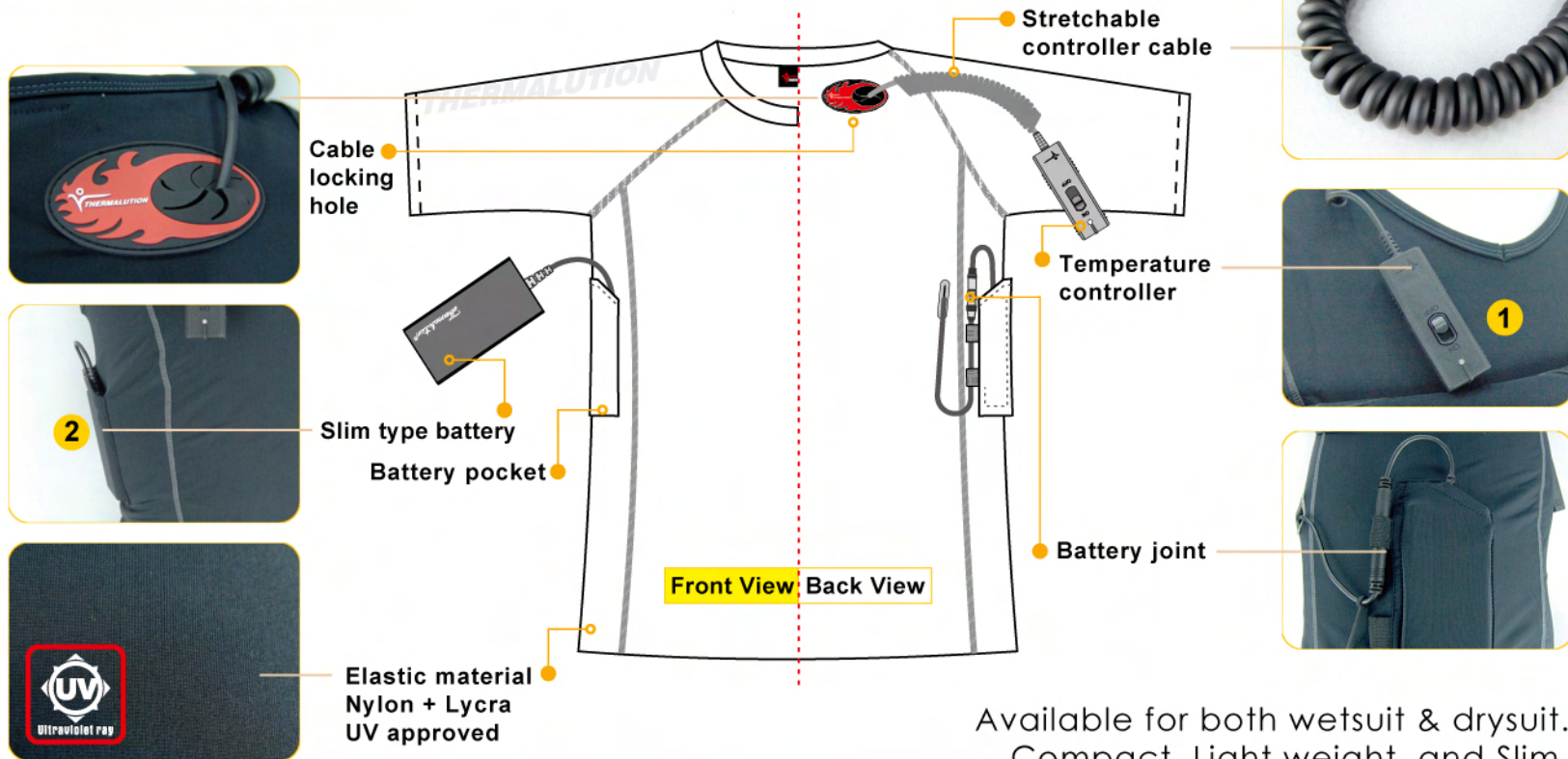
Thermalution® aqua collection is powered by two lithium polymer 7.4V batteries. There is no danger of radiation, electric shock or explosion from these batteries.

The heating elements are made of fiber, not metal, so there is no electromagnetic field generated by any metal components, which also prevent corrosion from salt water.

It's perfect for all kind of cold water activities like diving, surfing, snorkeling, kayaking, sailing, fishing...etc.



SPECIFICATIONS



Available for both wetsuit & drysuit.
Compact, Light weight, and Slim.


- 
 Temperature with micro-controller
- 
 Non-metallic heating wire
- 
 Powered heating
- 
 3 level setting temperature
- 
 500 time charges
- 
 60min -70m UNDER WATER

Dual set charger

Model No.: SPE-004-A Input: 12VDC / 1A
 Output: 8.4VDC / 0.5A x2 Charging time: 2.5 hrs


-70M Controller 1

Model No.: SPE-005-C
 Temperature Controller
 3 Settings High (Red) / Medium (Orange) / Low (Green)



Universal power adaptor

Model No.: COE-010-C
 Input: AC 100-240Vac
 Output: 12Vdc, 1A



Battery (2 pcs) 2

Model No.: SPE-002-C Output: 7.4 V
 Lithium Polymer Battery Last for 100~140 mins.

Cigarette lighter adaptor (Optional)

Model No.: COE-013-A Input: 12VDC / 2A
 Output: 12V



Thermalution®, a brand that feeds your need with modern technology, and gives warmth to the universe.

Petatech® International Co., Ltd. was established in 1996 specialized in manufacturing non-metallic heating element: ThermalTek® heating wire.

Thermalution® inspiration -

“Warmth”, “Care”, “Love this Earth”

All goods generated by Petatech® are made with the same concept in mind: **to bring warmth to the world.** The entire Thermalution® crew is willing to dedicate their best products to each and every consumer and hope that their products can also give warmth to your heart.

This product is a unique blend of the most mature technological innovations with the most up to date fashion designs. Fashion+Function=Thermalution®

It consists of the most advanced functional fabric, up-to-date design and our ThermalTek® non-metallic heating wire technology that generates heat and warms up the blood. It gives you the warmest clothing you will ever need in cold. Not only it is suitable for all kind of outdoor activities like hiking, fishing, skiing, hunting, riding etc., it's now also available for cold water activities like surfing, diving, swimming and kayaking etc.

WHAT IS THERMALTEK®

As the ThermalTek® heating wire is made of non-metallic materials; we have the advantages of non-metallic characteristics. These advantages include: easy power supply, durable, flexible and washable. Petatech® were pioneers in this industry as they successfully developed portable power heating products for domestic use, medical care, health care and outdoor wear.

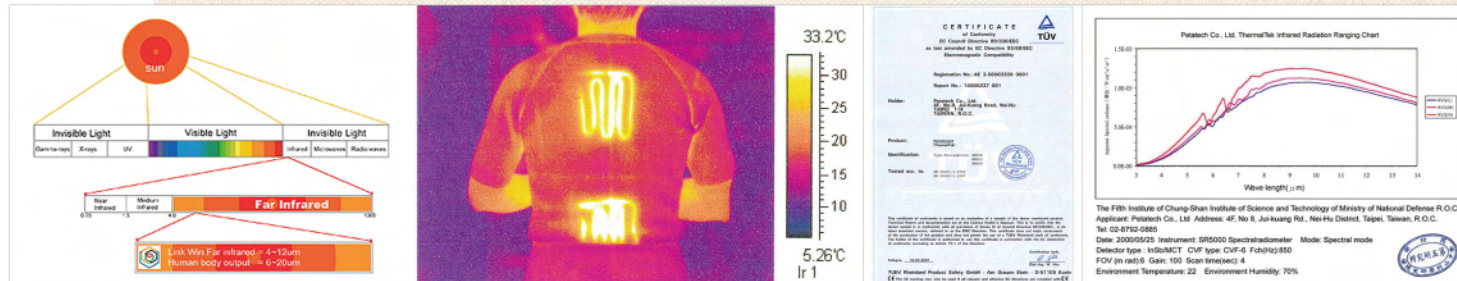
Aiming to develop the best consumer products with our ThermalTek® heating technology, we set up our headquarters in the heart of Taipei NeiHu Technology Park. With the support of our top R&D team, the most hi-tech machinery, our efficient production lines, reliable quality control system and friendly customer services, we are able to produce quality products that are well known world wide. Thanks to our co-factories in both Taiwan and Asia, we offer the best designed products at the most reasonable prices.

Petatech® not only strives to introduce our own invented brand "Thermulation®", we also willing to cooperate with our worldwide customers in OEM projects. It is the best solution for power heated apparel.

ThermalTek®

ThermalTek® heating wire patented and invented by Petatech® International Co., Ltd. it is the first non-metallic power heating wire in the world that is used for consumer products with the following features:

- Non-metallic characteristics
- Light, durable, secure, stable, high strength, bendable, twistable and washable
- Easy power supply by DC and AC voltage
- High heat transfer efficiency with low power consumption
- Low electromagnetic interference
- Far infrared ray



What is F.I.R. Far Infrared Ray

Far infrared ray (FIR) is a spectrum of natural sunlight with a wavelength of 4 – 1000 microns. It is invisible to the human eyes.

The National Aeronautics and Space Administration (NASA) pointed out that FIR with wavelength between 6 – 14 microns is capable of penetrating deep into the human body where they gingerly elevate the body temperature and generate resonance. It can accelerate metabolism, improve circulation and provide warmth.

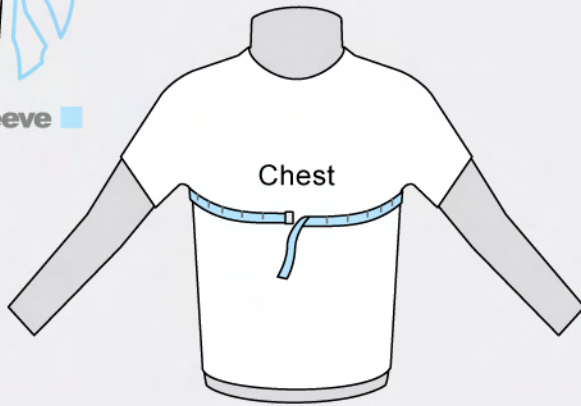
Testing of Petatech® International Co., Ltd. products, performed by Chung-Shan Institute of Science and Technology, demonstrates that all of Petatech's products generate the desired FIR with wavelength of between 6-14 microns.

SIZE CHART

In order to optimize the heating performance of the thermalution, we strongly advise our customers to wear smaller fitted sizes of the thermalution. Please refer to the size chart below to find the recommended size of thermalution for you.



Short Sleeve ■



UNISEX

PSD05-B

	Chest - inch	Chest - cm
S	37" ~ 41"	94 cm ~ 104 cm
M	41" ~ 45"	104 cm ~ 114 cm
L	45" ~ 48"	114 cm ~ 122 cm
XL	48" ~ 52"	122 cm ~ 132 cm
XXL	52" ~ 56"	132 cm ~ 142 cm

Error value : ± 1 cm / 0.4 inch



Sleeveless ■



UNISEX

PSD07-B

	Chest - inch	Chest - cm
S	33" ~ 36"	84 cm ~ 91 cm
M	36" ~ 40"	91 cm ~ 102 cm
L	40" ~ 43"	102 cm ~ 109 cm