

Cooling Vest



UNIQUE PROTECTION EQUIPMENT

WHY COOLING VEST?

You need to reduce the risk for heat stress, and you want to feel good!

DURATION?

Lasts for 90 minutes in a 60°C/140°F environment, at for example smoke diving, or 4 hours at 45°C/113°F normal work.

RE-CHARGE?

Re-charges in 4 hours in room temperature (20°C/68°F). Without external energy! (Faster if colder.)

WHAT ABOUT THE ELEMENTS?

Consist of a non toxic, non flammable blend of salts which is known to be the most effective ingredients for this temperature range. Can be used and re-charged over and over again. Guaranteed for 1000 cycles, if properly maintained.



COMFORT ZONE

Being in the Comfort Zone means that you maintain a body temperature that lets you feel good and perform at your best. Above the zone you suffer from dehydration, you take wrong decisions, you may throw up – HEATSTRESS!

Recovering from heatstress can take up to 24 hours!

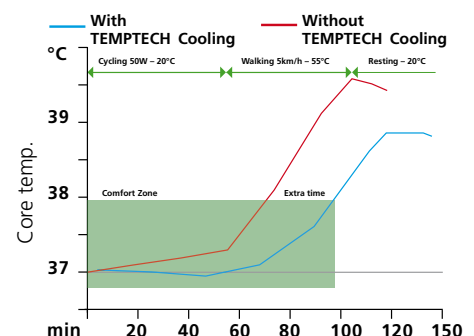
When your body is regulating temperature, you sweat. The body fluid depots empties gradually and if you lose about 2 or 3% of your weight in liquid, you lose around 20 or 30% of your performance! Even with optimal fluid intake, recovery from such a loss takes between 6 and 9 hours.

A Cooling Vest will keep you in the comfort zone for longer time!

HOW IT WORKS

Through our unique concept - using TEMPTECH elements with a 28°C transition temperature - we utilize this fact of nature to store energy, and absorb excessive heat. Everybody knows that ice melts at temperatures above 0°C but not everybody knows that the moment of transition from solid to liquid uses up to 50 times more energy compared to a rise of 1°C when an object already is in either liquid or solid condition.

The TEMPTECH element recharges in normal room temperature (20°) in about 4 hours - faster if in a cooler environment – and is guaranteed to last more than 1000 cycles.



MULTI

Cooling Vest Multi has 20 TEMPTECH elements that provide effective heat absorption. This vest is used in many industrial applications. Also available in flame retardant material, if that is mandatory. Recommended to use tight to the body, with a functional T-shirt between, and a covering garment on top. Weight 2,1 kg.

Size S/M-4XL/5XL

Product no. 3010P028xx (xx=size)



FLEXI

Cooling Vest Flexi is designed to be smooth and easy to put on. It closes with velcros at the shoulders and sides. The Flexi vest has 16 TEMPTECH elements that absorb excessive heat. Also available in fire-resistant Nomex material. Recommended to use tight to the body, with a functional T-shirt between, and a covering garment on top. Weight 1,6 kg.

Size One size fits all.

Product no. 3000P02801



EXAMPLES OF USE

Fire and Rescue services – Mining – Police – Athletes – Oil platforms – Chemical industry – Steel industry – Refineries – Nuclear plants – Paper mills – Waterjetting – Military services – Hazmat – Diving – Road workers





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WORDS OF WISDOM

“When exposed to hot environments, combined with physical work and thick protective clothes such as fire fighting and military drills, human body may suffer thermal physiological strain resulting in reduced working performance and increased risk of heat illness since the only way of heat dissipation from the body by evaporation is severely resisted by the multi-layer clothing. One of the measures to reduce such adverse effects and increase work performance is to use personal cooling equipment to improve the microclimate around human body.”

Ingvar Holmér, Professor of Climate Physiology at The Thermal Environment Laboratory, Lund University, Sweden

Models			
Vest type	Polyester	Flame retardant	Nomex
Flexi	Standard	No	Option
Multi	Standard	Option	No

Size table (cm)	
Size	Chest
S-M	84-100
L-XL	100-116
2XL-3XL	116-132
4XL-5XL	132-148

CE Certified according to ISO 9001:2008 and ISO 14001:2004



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