COOLING
VEST

TST®
SAVING LIVES
Our customers are not like other customers. At least their jobs aren’t. Our customers’ workplaces are often the complete opposite of a nice and cozy office, with a pleasant indoor climate, a comfortable office chair to sit on and coffee within arm’s reach. Our customers spend their working days on oil platforms, alongside roads, in ports and in heavy industry. Often the environments are full of risks and the jobs are demanding, sometimes even highly dangerous.

Our mission is to make sure that they come home to their loved ones – every day. This is our reason for being and this is what drives us to go to work every morning. We’re not sure if safety is in our genes or if it’s developed because of Scandinavia’s harsh climate, but safety has always been important in Sweden. Perhaps this is most evident in Swedish industry, which includes Volvo with its safe cars and Autoliv, the world’s leading automotive safety supplier.

TST Sweden’s motto is saving lives. This is not only our duty, it also makes us feel good. It would be difficult to find anything more meaningful to spend our time on.

Jörgen Liljedahl, Founder and Managing Director, TST Sweden
**EFFECTIVE AND GENTLE COOLING**

When working in warm environments, and maybe with coveralls or hazmat suits, your body needs to be cooled down. Our Cooling Vest helps industry workers, firefighters, policemen and athletes perform at their best for a longer period and in a more comfortable way. Our vests were used by workers after the Hurricane Katrina and the Fukushima during the rescue work. They also help people with MS to feel more comfortable during warm days.

The technology is unique and based on special energy elements, TEMPTECH®, that absorb and consume heat from the body and provides an effective and gentle cooling of the body. The elements recharges without external energy, nor with strange chemical reactions.

**WHY COOL THE BODY?**
- Reduce the risk for heat stress
- You want to feel good
- Recovering from heat stress can take up to 24 hours
- Reduce dehydration
- Keep your body cool and comfortable
- Perform at your best all the time

**HOW IT WORKS**

The TEMPTECH® energy element has a 28 °C transition temperature. When the elements start to melt (temperatures above 28 °C/82°F) they absorb heat from your body. This process allows for a gentle cooling of the body allowing it to stabilize body temperature instead of shocking the body with extreme cold, as one does with an ice vest. The TST Cooling Vest will keep you in the comfort zone for a longer period of time. **Comfort zone** – where you maintain a body temperature that lets you feel good and perform at your best.

The TST Cooling Vest lasts for:
- 90 min in a 60 °C/140 °F environment
- 4 hours in a 45 °C/113 °F environment

**RECHARGING**

The TEMPTECH® element recharges without external energy. Buy a second set of elements and you are ready for the afternoon shift!

In 22 °C/72 °F: 2–3 hours
In 8 °C/46 °F: 30 minutes
Freezer/ice water: 5–10 minutes

The elements are guaranteed to last more than 1,000 cycles if properly maintained.

**WASHING INSTRUCTIONS**

In washing, the energy elements should be taken out of their pockets. The vest should be washed in 40°C. The vest should be dried in a drying cupboard or in a well-ventilated room. Do not dry in a tumble dryer.

**TEMPTECH**

Without vest, soon above the zone.
Ice vest, below the zone, consumes energy initially.
TST Cooling Vest, in the comfort zone longer!
Cooling Vest Ultra has 21 or 17 TEMPTech® elements that provide effective heat absorption. The Vest is made of a polypropylene fabric which powerful moisture management transfer up to 40 times more moisture, compared to standard polyester. It also dries up to three times faster than similar fabrics. High elasticity provides comfort and a snug fit against the body increasing moisture wicking. This is our most advanced Vest with lots of features supporting function and comfort.

There are adjustable elastics at the sides, for excellent fit. Special extensions at the sides makes the big Vest further adaptable to fit exactly to different bodies (see sizes below). Permanent TermoFresh antibacterial treatment keeps the garment odour-free. Recommended to use tight to the body, with a functional T-shirt between, and a covering garment on top. The Vest suits both men and women.

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.

Cooling Vest Flexi is designed to be smooth and easy to put on. It closes with hook & loops at the shoulders and sides. The Flexi vest has 16 TEMPTech® elements that absorb excessive heat. Also available in fire-resistant Nomex material (EN ISO 15025). Recommended to use tight to the body, with a functional T-shirt between, and a covering garment on top.
OUR VALUES

TRUSTWORTHINESS
Through our actions and our products we shall instil a high level of confidence in our customers, suppliers and business partners.

LONG-TERM APPROACH
In our internal and external relationships, we shall be considered a long-term partner. Our products shall be developed and marketed with a long-term profile, where we want to see customers and suppliers staying with us year after year.

DEVELOPMENTAL
By continuously developing our products and working on innovative new solutions, we will bring products to the market that are of the highest class. Collaborations with universities and suppliers at the forefront of textile materials and treatments are a matter of course for us.