
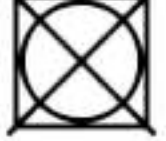





# Dr. Chill Thermo-Chill™ product specification



## Model: THC-001/ DrChill FLUX

**Product overview:** Style THC-001, the DrChill Thermo-Chill™ FLUX Vest is engineered to provide effective, dry cooling performance in warm and physically demanding environments. The system combines high-performance moisture-management fabrics with advanced cooling materials that draw heat and perspiration away from the skin.

<p><b>1 Product Identification</b></p> <ul style="list-style-type: none"> <li>• Product Name: DrChill FLUX</li> <li>• Style Number: THC-001</li> <li>• Product Type: Passive Evaporative Body Cooling Garment</li> <li>• Cooling Technology: Thermo-Chill™ (Super-Absorbent Material)</li> <li>• Positioning System: Integrated Chill-Lock™ Technology</li> <li>• Intended Use: Heat stress mitigation</li> </ul>	<p><b>5 Cooling Performance</b></p> <p>Immediate cooling effect upon activation through advanced evaporative cooling technology.</p> <p><b>Hybrid Option</b></p> <p>Cooling performance can be enhanced with Aero-Chill™ active ventilation, integrating lightweight fans to increase airflow and accelerate the evaporative cooling process.</p>
<p><b>2 Cooling Technology Description</b></p> <p><b>2.1 Thermo-Chill™ Technology</b> Advanced cooling materials combined with moisture-management fabrics to remove heat and sweat from the body while maintaining a dry feel..</p> <ul style="list-style-type: none"> <li>• Cooling Principle: Evaporative cooling</li> <li>• Activation Medium: Water only</li> <li>• Reusable: Yes</li> <li>• Non-toxic materials: Yes (subject to material supplier certification)</li> </ul> <p><b>2.2 Chill-Lock™ Technology</b> Proprietary stitch-free assembly technology that ensures sealed cooling panels, improved durability, and optimal comfort.</p> <ul style="list-style-type: none"> <li>• Optimized body contact</li> <li>• Balanced weight distribution</li> <li>• Consistent cooling performance</li> </ul>	<p><b>6 Performance Characteristics</b></p> <ul style="list-style-type: none"> <li>• Cooling Duration: 24 to 48 hours (environment dependent)</li> <li>• Reactivation: Unlimited cycles (subject to proper care)</li> <li>• Optimal Conditions: High temperature + airflow</li> <li>• Performance Influencers:             <ul style="list-style-type: none"> <li>a. Ambient temperature</li> <li>b. Relative humidity</li> <li>c. Air movement</li> <li>d. Physical workload</li> </ul> </li> </ul>
<p><b>3 Material Specification</b></p> <p><b>3.1 Outer Fabric</b></p> <ul style="list-style-type: none"> <li>• 100% Nylon Taslan 228T with proprietary backcoating technology.</li> <li>• Fabric Weight: 135 g/m<sup>2</sup></li> </ul> <p><b>3.2 Cooling Core</b></p> <ul style="list-style-type: none"> <li>• Material Type: Fleece + Super-Absorbent Material (SAM)</li> <li>• Encapsulation: Sealed multi-layer textile panels under the registered Dr. Chill design architecture and ChillLock™ Technology</li> <li>• Activation: Water absorption</li> </ul> <p><b>3.3 Inner Fabric</b></p> <ul style="list-style-type: none"> <li>• 100% Nylon Taslan 228T with proprietary backcoating technology.</li> <li>• Fabric Weight: 135 g/m<sup>2</sup></li> </ul> <p><b>3.4 Knitted sidepanel(s)</b></p> <ul style="list-style-type: none"> <li>• Material: 90% Nylon - 10%Spandex</li> <li>• Fabric Weight: 220 g/m<sup>2</sup></li> </ul>	<p><b>7 Laundry instructions:</b> Ensure all rubber zip-lock on the vest are securely closed before washing.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Machine wash         </div> <div style="text-align: center;">  Do not dry clean         </div> <div style="text-align: center;">  Do not iron         </div> <div style="text-align: center;">  Do not wring         </div> <div style="text-align: center;">  Hang to dry         </div> </div>
<p><b>4 Activation guidelines</b></p> <p><b>Step 1 – Fill Cooling Panels</b> Add the specified amount of water (as indicated in the product manual) into each cooling panel via the rubber seal opening.</p> <p><b>Step 2 – Distribute Water</b> Close the rubber seal securely and gently shake the vest to distribute water evenly across the cooling panels.</p> <p><b>Step 3 – Ready to Use</b> The vest is now activated and ready to wear.</p> <p><b>WEIGHT after activation:</b> Approx. 1100 – 1300 g</p> <p><b>Notes</b></p> <ul style="list-style-type: none"> <li>• If water collects at the bottom of the cooling panels, gently shake the vest again to redistribute the water.</li> <li>• When the vest feels dry and cooling decreases, repeat the activation process starting from Step 1</li> </ul>	<p><b>8 DRYING</b></p> <p>Hang to air dry Ventilated area Fully dry before storage ⚠ Do not machine dry unless label permits</p>
	<p><b>10 Storage</b></p> <p>Short-Term</p> <ul style="list-style-type: none"> <li>• Cool, dry place</li> <li>• Clean &amp; dry</li> </ul> <p>Long-Term</p> <ul style="list-style-type: none"> <li>• Fully dry first</li> <li>• Store flat or hung</li> <li>• Avoid sealed plastic when damp</li> </ul>
	<p><b>11 Safety</b></p> <ul style="list-style-type: none"> <li>• Non-toxic</li> <li>• Non-electrical</li> <li>• External use only</li> <li>• Do not puncture the cooling panels</li> <li>• Discontinue if damaged</li> <li>• Keep away from children</li> </ul>
	<p><b>12 Declaration</b></p> <p>This product is designed as a passive evaporative cooling aid for heat stress mitigation. Compliance with specific international standards depends on final garment configuration and certified material selection</p>
	<p><b>13</b> Contact your authorized Dr Chill distributor or sales representative, or visit the DrChill website for more information.</p>

# Dr. Chill Thermo-Chill™ product specification



## Model: THC-001/ DrChill FLUX

**Product overview:** Style THC-001 / DrChill FLUX with Thermo-Chill™ Technology is engineered for demanding heat environments, delivering dry cooling with optimized airflow through advanced moisture-management fabrics and proprietary Chill-Lock™ construction.

### Size specifications



All measurements in cm

Measurements	XS	S	M	L	XL	2XL	3XL	4XL	5XL
Full chest	88	94	100	106	112	118	124	130	136
Full Length	54	56	58	60	62	64	66	68	70

**Design, size & Performance Philosophy :** Dr. Chill's size specifications, Chill-Lock™ Technology, and registered architecture form a protected proprietary design system. Built on the principle that human-body fit drives thermal performance, this anatomy-driven, sealed construction platform is engineered to optimize conformity, stability, engineered for extreme heat conditions and high cooling efficiency across industrial, sports, and demanding physical activities.



### Customization Options — Dr Chill Cooling Vests



We tailor cooling garments to match your operational needs, brand identity, and safety requirements—without compromising performance.

Customization possibilities include:

- Company & team branding
- Custom colors and visual identity
- Private label production
- Fabric finishes such as:
  - AS (Anti-Static)
  - AB (Anti-Bacterial)
  - QD (Quick Dry)
- High-Visibility adaptations
- Certification support for regulated environments

### THERMO-CHILL™ Cooling Vests — Application Overview

THERMO-CHILL™ cooling products are engineered to deliver effective, long-lasting body cooling in environments where heat stress impacts performance, safety, and comfort. Built on advanced evaporative cooling technology, the vests use super-absorbent materials that retain water and release cooling through controlled evaporation. This creates a sustained cooling effect directly at the body's primary heat zones—without the need for power or bulky inserts.

#### Where THERMO-CHILL™ Makes the Difference:

##### Industrial use



Ideal for workers exposed to high temperatures, including construction, logistics, manufacturing, mining, agriculture, and utilities. The vest helps reduce heat strain, supporting endurance, focus, and safety compliance during long shifts.

##### Professional & elite sports



Used for pre-cooling, recovery, and training in hot climates. Athletes benefit from regulated body temperature, delayed fatigue, and improved thermal comfort without restricting movement.

##### Outdoor & lifestyle activities



Perfect for hiking, cycling, motorsports, events, and recreational use in warm environments.

##### Medical & personal heat sensitivity



Provides non-electrical cooling support for individuals sensitive to heat, including elderly users or those managing heat-related conditions.

##### Why it works



Thermo-Chill™ combines targeted cooling zones, advanced moisture management, and ergonomic garment design to support the body's natural thermoregulation. The lightweight construction promotes real-world wearability, ensuring cooling is consistently used when needed most.

##### Result



Improved body temperature regulation, enhanced comfort, and sustained performance in heat — while keeping the wearer cool, dry, and focused.

### Key benefits Thermo-Chill™ Technology



- Instant Cooling – Rapid heat and sweat removal from the body
- Stay Dry – Temperature regulation without wet or heavy sensation
- All-Day Comfort – Maintains freshness during heat and activity
- Targeted Cooling – Focused thermal control in key heat zones
- Seamless Design – Smooth, flexible, and lightweight construction
- Durable Performance – Built for demanding environments
- Performance Support – Helps maintain focus and endurance

### Dr Chill's Differentiation logic

