

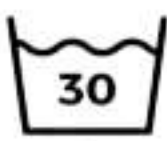
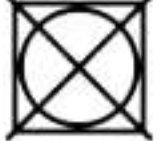




Dr. Chill Clima-Chill™ product specification



Model: CC-001/ DrChill PHASE

Product Overview

Clima-Chill™ Technology - smart cooling in action - is an advanced body cooling system powered by PCMs (Phase Change Materials) — natural smart materials that absorb, store, and release thermal energy to regulate body temperature.

<p>1 Product Identification</p> <ul style="list-style-type: none"> • Product Name: DrChill PHASE • Style Number: CC-001 • Product Type: Passive Phase Change Body Cooling Garment • Cooling Technology: Clima-Chill™ (Phase Change Materials) • Positioning System: Integrated Chill-Lock™ Technology • Intended Use: Heat stress mitigation & thermal comfort management 	<p>4 Activation methods</p> <p>PCM cooling elements are pre-charged with thermal energy and require temperature conditioning rather than hydration.</p> <ul style="list-style-type: none"> • Cooling Activation – Place the vest or PCM packs in a refrigerator or cool environment until the PCM solidifies. • Natural Recharge – PCM recharges automatically in environments below its activation temperature (e.g., air-conditioned spaces). • Freezer (optional) – Short freezer exposure may accelerate activation for certain PCM tailored temperatures. <p>Ready to Use – Once solidified, the vest provides stable temperature regulation.</p> <p>Note – PCM can be tailored to specific activation temperatures > e.g., 10°C, 15°C, 20°C, 25°C,)</p>
<p>2 Cooling Technology Description</p> <p>2.1 Clima-Chill™ Technology Clima-Change™ Technology utilizes advanced Phase Change Materials (PCMs) that absorb, store, and release thermal energy to regulate body temperature. When the body heats up, the PCM materials absorb excess heat; when the temperature drops, the stored energy is gradually released, maintaining a stable and comfortable microclimate around the body.</p> <p>2.1.1 How It Works in Practice When it is warm:</p> <ul style="list-style-type: none"> > The PCM melts (solid > liquid) and absorbs heat from the surrounding environment, for example from your body. > As a result, the surrounding temperature rises more slowly, creating a cooler and more comfortable sensation <p>Unlike evaporative cooling systems, Clima-Change™ operates independently of humidity levels, making it highly effective in demanding environments, including when worn under PPE & protective workwear.</p> <p>2.2 Chill-Lock™ Technology Embedded by Chill-Lock™ Technology between two fabric layers and strategically positioned on key heat zones, the system provides balanced and long-lasting cooling performance.</p> <p>Key Advantages > Chill-Lock™ Technology</p> <ul style="list-style-type: none"> • Stitch-Free Fusion Construction • Seamless assembly without traditional stitching • No weak points or seam failures • BIO-PCM cooling materials securely positioned within the garment • Smooth, flexible structure that moves naturally with the body • This unique sealed construction improves durability, comfort, and cooling performance compared to conventional stitched garments. 	<p>5 Cooling Performance characteristics</p> <ul style="list-style-type: none"> • Customizable Activation Temperature - PCM can be tuned to specific temperatures (activation temperature range: between 8°C – 35°C). • Humidity-Independent- Performance remains stable in any humidity. • Passive Cooling - No electricity, fans, or water required. • Targeted Thermal Control - PCM zones regulate heat at key body areas. • Reusable Cycles - PCMs repeatedly absorb and release heat without performance loss.
<p>3 Material Specification</p> <p>3.1 Outer Fabric</p> <ul style="list-style-type: none"> • 100% Nylon Taslan 228T with TPU backcoating • Fabric Weight: 135 g/m² <p><i>Note: Customizable per customer specification, including specialized industrial fabric treatments and protective finishes</i></p> <p>3.2 Cooling Core</p> <ul style="list-style-type: none"> • Material Type: Phase Change Materials (PCMs) • Encapsulation: Sealed multi-layer textile panels under the registered Dr. Chill design architecture and ChillLock™ Technology <p>3.3 Inner Material</p> <ul style="list-style-type: none"> • TPU (Thermoplastic Polyurethane) <p>3.4 Knitted sidepanel(s)</p> <ul style="list-style-type: none"> • Material: 90% Nylon - 10% Spandex • Fabric Weight: 220 g/m² 	<p>6 Laundry instructions:</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 bleach </div> <div style="text-align: center;">  Do not wring </div> <div style="text-align: center;">  Hang to dry </div> </div>
<p>7 Storage</p> <ul style="list-style-type: none"> • Clean, dry, ventilated area • Avoid direct sunlight / heat • Do not compress or puncture PCM panels • Store dry before long-term storage • Store flat or hanging • Recommended temperature: 0°C – 30°C 	
<p>8 Safety</p> <ul style="list-style-type: none"> • Non-toxic materials • Non-electrical cooling system • For external use only • Do not puncture or damage PCM panels • Discontinue use if the garment is damaged • Inspect the product before use • Keep out of reach of children 	
<p>9 Declaration</p> <p>This product is designed as a passive phase change cooling aid for heat stress mitigation. Compliance with specific international standards depends on final garment configuration and certified material selection</p>	
<p>10 Contact your authorized Dr Chill distributor or sales representative, or visit the DrChill website for more information.</p>	

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Model: CC-001/ DrChill PHASE

Product overview: Style CC-001 / DrChill PHASE with Clima-Chill™ Technology is a scientifically engineered system that keeps you cool, comfortable, and balanced—exactly when you need it most.

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.



Key benefits Clima-Chill™ Technology



- Smart Temperature Control – PCMs absorb and release thermal energy to stabilize body temperature
- Humidity-Independent Cooling
- Sustainably Sourced Materials
- Reusable & Durable – Designed for long-term performance and repeated use
- Lightweight, Flexible & Targeted Cooling Zones
- Consistent Microclimate – Helps reduce overheating and fatigue

Dr Chill's Differentiation logic

Garment-first design
Engineered as clothing — built around human anatomy, movement, posture, and real wear behavior.

Premium materials
High-end fabrics, superior comfort. Built for professional durability with a look and feel that signals quality.

Clima-Chill™ uses PCMs
to absorb excess heat and stabilize body temperature.

Innovative pattern design
Distinctive, purpose-built patterns engineered to position thermal elements — enhancing both fit and performance.

Dry Cooling Performance
Clima-Chill™ regulates body temperature without soaking the garment, keeping the wearer cool while maintaining a dry, lightweight feel.

Sealing instead of sewing
Bonded construction improves fit and flexibility, reduces friction, enhances comfort and durability optimizes thermal contact with the body.

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)
 - FR (Flame retardancy)
- High-Visibility adaptations
- Certification support for regulated environments

CLIMA-CHILL™ Cooling Vests — Application Overview

CLIMA-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 phase change cooling technology, the vests use integrated PCM materials that absorb excess body heat and regulate temperature through controlled thermal energy storage and release. This creates a stable and sustained cooling effect at the body's primary heat zones.

Where CLIMA-CHILL™ Makes the Difference:

Industrial Environments



Supports thermal comfort for workers exposed to heat during manufacturing, processing, and heavy-duty operations.

PPE & Protective Workwear



Designed to function effectively under protective clothing and equipment, maintaining temperature stability without affecting mobility or safety compliance.

Outdoor Work & Construction



Helps reduce heat stress during prolonged exposure to sun and high ambient temperatures.

Logistics & Warehousing



Provides consistent cooling during physically demanding tasks such as loading, handling, and long working shifts.

Sports & Performance Activities



Supports athletes and active users by stabilizing body temperature during training, competition, and recovery.

High-Temperature Work Environments



Ideal for industries where sustained heat exposure affects performance, safety, and worker endurance

Result



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