

PCM COOLOVER



General Information

The INUTEQ-PAC® PCM CoolOver delivers reliable, constant cooling and effective heat-stress protection for professionals working in extreme heat. Designed to be worn comfortably underneath protective and industrial clothing, it provides precise temperature control regardless of humidity or ambient conditions. Ideal for industrial, military, medical, and specialty applications, the PCM CoolOver performs consistently under the most demanding circumstances. It is widely used beneath combat gear, hazardous materials suits, mascot costumes, and other professional apparel where dependable cooling is critical.

Made with 100% biobased phase change materials (PCM), the CoolOver is available in five exact temperature options to match specific work or sport requirements.

Key Features and Benefits

INUTEQ® PAC® represents the next generation in precision cooling, engineered for situations where exact temperature control and sustained comfort are essential.

- **Precision Phase Change Cooling:** Utilizes advanced Phase Change Material (PCM) that maintains a constant, engineered temperature throughout its cooling cycle for predictable and comfortable performance.
- **Consistent Temperature Control:** Available in multiple medically safe temperature points (e.g., 6.5°C, 15°C, 21°C, 24°C, 29°C), allowing you to choose the ideal cooling level for your specific needs and environment.
- **Long-Lasting Cooling:** Provides extended cooling performance—often lasting several hours per activation—without the sharp temperature drops or discomfort associated with traditional ice-based cooling.
- **Lightweight and Rechargeable:** PCM inserts are lighter than water-based alternatives and can be quickly “recharged” by placing them in a freezer, refrigerator, or cool environment, readying them for repeated use.
- **Durable and Sustainable Materials:** Made from 100% bio-based, biodegradable, non-toxic materials that are REACH and USDA certified, ensuring safe, eco-friendly performance.
- **Comfort Optimized:** Delivers steady, comfortable cooling without the risk of extreme cold, skin irritation, or temperature shock, making it ideal for prolonged wear in professional, athletic, or everyday settings.



ACTIVATION PCM CoolOver

Activate the coolover:

To activate the vest, place it in ice water, a refrigerator, or a freezer—or store it in a cool environment—until it becomes fully solid. For best results, activate the vest while it is hanging.



Cooling duration:

1 up to 4.5 hours = depending selected PCM temperature.

Components

- Material:** Biobased Phase Change Material
Foil: INUTEQ-SEAL®.
Adjustment: Waist line.
Closure: Buckle system.

CLEANING:

Simply clean with cleaning cloth with water or disinfectant.

Reactivation is quick and simple: hang the CoolOver in an environment at least 3°C below its PCM temperature, or place it flat in ice water, a refrigerator, or a freezer until fully solid.

AVAILABLE IN:

SPORT: 6,5°C / 44°F - 15°C / 59°F

WORK: 21°C / 70°F - 24°C / 77°F - 29°C / 84°F

SIZES: ONE SIZE - fits most.

Temperatures	Colors	Productcode
6.5°C / 44°F	Orange	#1302036536
15°C / 59°F	Blue	#1302041536
21°C / 70°F	Yellow	#1302032136
24°C / 75°F	White	#1302032436
29°C / 84°F	Red	#1302032936



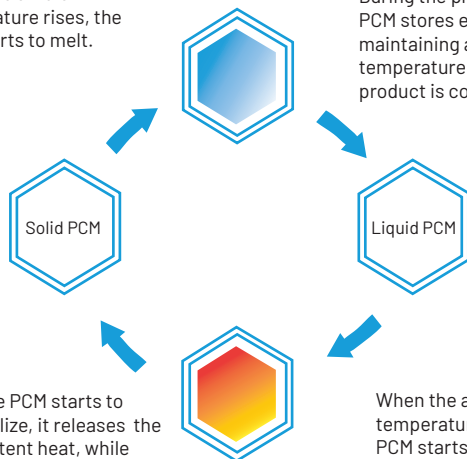
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CONSTANT TEMPERATURE COOLING

When the ambient temperature rises, the PCM starts to melt.



During the phase transition, the PCM stores energy as latent heat, maintaining a constant temperature until the cooling product is completely melted.

When the PCM starts to recrystallize, it releases the stored latent heat, while maintaining a constant temperature, until all latent heat has been released.

When the ambient temperature lowers, the PCM starts to recrystallize.

General Information

INUTEQ-PAC® delivers revolutionary thermal management with advanced, 100% bio-based, biodegradable Phase Change Material (PCM), available in five precise temperatures: 6.5°C/44°F, 15°C/59°F, 21°C/70°F, 24°C/74°F, and 29°C/84°F. Our PCM technology features high latent heat for superior, long-lasting cooling performance across a wide range of applications. As the only REACH- and USDA-certified 100% bio-based PCM on the market, INUTEQ-PAC® sets the standard for safe, sustainable, and effective temperature control.

INUTEQ-PAC® represents the new generation in phase change cooling, offering revolutionary thermal management for situations where exact temperatures are essential. This advanced technology is built on a 100% bio-based, biodegradable Phase Change Material (PCM) that delivers safe, sustainable, and highly effective temperature control. Unlike traditional water or ice-based cooling, INUTEQ-PAC® provides a consistent and precise cooling output, engineered to maintain a specific temperature for an extended duration, ensuring optimal comfort and safety without the shock of extreme cold.



UNIQUE
TECHNOLOGY
FORMULA

PAC®

100%
BIODEGRADABLE
COOLING TECHNOLOGY

PATENTED
DESIGN

REACH
COMPLIANT

ACTIVATION PCM CoolOver

Activation: To activate the vest, place it in ice water, a refrigerator, or a freezer—or store it in a cool environment—until it becomes fully solid. For best results, activate the vest while it is hanging.

Cooling duration: 1 up to 4.5 hours = depending selected PCM temperature.

Weight: Approx. 1.3 kg / 2.65 lbs.

Components

Material: Biobased Phase Change Material
Foil: INUTEQ-SEAL®.
Adjustment: Waist line.
Closure: Buckle system.

AVAILABLE IN:

SPORT: 6.5°C / 44°F - 15°C / 59°F

WORK: 21°C / 70°F - 24°C / 77°F - 29°C / 84°F

SIZES: ONE SIZE - fits most.

Temperatures

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21°C / 70°F
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