

Dräger Comfort Vest CVP 5220 – cooling clothing for working at high ambient temperatures

Increase performance by up to four hours – without the need for elaborate preparation or logistics. When work gets hot, the Dräger Comfort Vest CVP 5220 is always ready to use because it delivers the cooling action itself. This means no pre-freezing, no dipping into water, no risk due to dangerous circulating air, and no time loss.



The Dräger Comfort Vest helps to absorb excess body heat and offers comfort for the wearer when working in high temperature surroundings or performing tasks that are physical enough to cause excessive sweating. It will also rehabilitate after working in hot climates.

AUTOMATIC COOLING ABOVE 82 °F

The vest's cooling action is derived from 20 individual PCM-elements (Phase Change Material) integrated into the inner lining. When the user's skin temperature reaches 82 °F, whether performing tasks that are physical enough to cause sweating or working in high temperature surroundings, the content of the PCM-elements gradually becomes liquid by absorbing the excessive heat. This reduces skin temperature by approximately 5-7 °F. Depending on the level of physical work and the ambient temperature, the cooling benefit for the wearer of the Dräger Comfort Vest can last for up to four hours.

REGENERATES WHEN STORED – WITHIN FOUR HOURS AT MOST

When the vest is stored at a temperature below 72 °F, the cooling elements will regenerate within 30 minutes to four hours, depending on the ambient temperature. The cooler the temperature, the sooner the vest will be ready to be worn again. Extensive preparatory and post-work activities – as with ice vests – are no longer necessary.

WEARING COMFORT

The arrangement of the PCM-elements provides high freedom of movement thanks to the flexible fit. The vest can be worn underneath protective clothing such as turnout gear, coveralls or gas-tight chemical protective suits. Broad Velcro fasteners ensure a tight fit.

ADDITIONAL ADVANTAGES:

- Service life of the PCM-elements: up to three years
- Easy donning thanks to Velcro fasteners
- Vest can be washed after the elements have been removed
- Available in four sizes (S/M L/XL, XXL/ XXXL, XXXXL/XXXXXL)



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TECHNICAL DATA

Skin temperature difference when using the Dräger Comfort Vest CVP 5220	5 – 7 °F	
Deployment time	approx. 1.5 – 4 hours	
Weight complete, including cooling elements	approx. 4.63 lb	
Cooling surface	approx. 2.37 ft ²	
Material (vest)	polyester	
Material (cooling elements)	salt crystal mixture, packed in polyester / polyamide	
Color	inside:	black
	outside:	blue
PCM-elements	20 pieces	
Restoration time of cooling elements	at approx. 68 °F	approx. 4 hours
	at approx. 46 °F	approx. 30 minutes
Storage condition	horizontal	
Storage temperature:	< 72 °F	



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PCM-element

ORDERING INFORMATION

Dräger Comfort Vest CVP 5220, chest size	33 – 39 in	S / M	incl. 20 PCM-elements	R 58 762
Dräger Comfort Vest CVP 5220, chest size	39 – 46 in	L / XL	incl. 20 PCM-elements	R 58 763
Dräger Comfort Vest CVP 5220, chest size	46 – 52 in	XXL / XXXL	incl. 20 PCM-elements	R 58 764
Dräger Comfort Vest CVP 5220, chest size	52 – 58 in	XXXXL / XXXXXL	incl. 20 PCM-elements	R 58 761

Other accessories

PCM-element	R 45 104
Transportation bag (blue)	R 53 373

HEADQUARTERS

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