

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

Increased 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 as 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.



AUTOMATIC COOLING ABOVE 28°C

The vest's cooling action is derived from 20 individual PCM-elements (Phase Change Material) integrated into the inner lining. Whether performing tasks that are physical enough to cause sweating or working in high temperature surroundings: at a skin temperature of 28°C, the content of the PCM-elements gradually become liquid by absorbing the excessive heat. This reduces skin temperature by approx. 3-4°C. 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 4 hours.

REGENERATES WHEN STORED – WITHIN 4 HOURS AT MOST

At a storage temperature below 22°C, the elements become solid again. After a maximum of 4 hours, the elements are ready to use again - the colder the faster. 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 their flexible body fit. The vest can simply be worn underneath protective clothing such as fire brigade clothing 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 different 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	3 – 4°C	
Deployment time	approx. 1.5 – 4 hours	
Weight complete, including cooling elements	approx. 2.1 kg	
Cooling surface	approx. 0.22 m²	
Material (vest)	polyester	
Material (cooling elements)	salt crystal mixture, packed in polyester / polyamide	
Colour	inside:	black
	outside:	blue
PCM-elements	20 pieces	
Restoration time of cooling elements	at approx. +20°C	approx. 4 hours
	at approx. +8°C	approx. 30 minutes
Storage condition	horizontal	
Storage temperature:	< 22°C	



D-31839-2011

PCM-element

ORDERING INFORMATION

Dräger Comfort Vest CVP 5220, chest size	84 – 100 cm	S / M	incl. 20 PCM-elements	R 58 762
Dräger Comfort Vest CVP 5220, chest size	100 – 116 cm	L / XL	incl. 20 PCM-elements	R 58 763
Dräger Comfort Vest CVP 5220, chest size	116 – 132 cm	XXL / XXXL	incl. 20 PCM-elements	R 58 764
Dräger Comfort Vest CVP 5220, chest size	132 – 148 cm	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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