



ACTIVARMR[®]
PERSONAL PROTECTIVE GEAR

ACTIVARMR[™] COOLING VEST DESIGNED FOR COMFORT 97-609, 97-610



ACTIVARMR[™] Cooling Vest

The ACTIVARMR[™] cooling vest is designed for your comfort. Working in a hot environment may lead to dehydration, making wrong decisions and feeling sick – all symptoms of heat stress. The ACTIVARMR[™] cooling vest helps reduce these factors, so that you can carry out your work more efficiently. Being in the comfort zone means that your body can maintain a body temperature that reduces body fluid loss which can lead to a significantly reduced performance.

- Reduces heat stress
- Comfortable to wear
- Easy to dress
- Recharges at room temperature when stored
- Washable
- Long life time

APPLICATIONS

The ACTIVARMR[™] cooling vest can be worn underneath chemical protective clothing, turnout gear, coveralls, diving suits or daily workwear.

The vest is ideal for use in the following environments:

Fire & Rescue services, mining, police, oil platforms, chemical industry, steel industry, refineries, nuclear plants, paper mills, military use, diving plus many, many more.

FUNCTION

The cooling effect is obtained from the vest's 20 PCM (phase change material) elements which start absorbing and storing excessive heat at a temperature of 82°F (28°C). Heat absorption from the body or from an external source continues up to 4 hours until the elements have softened.

COMFORT

The vest is designed to have a close fit. The PCM elements are integrated into the lining providing great comfort and maintaining the wearer's flexibility when moving.



ACTIVARMR™ Cooling Vest with PCM (phase change material) elements.

DURATION

Depending on the physical work and the user's body temperature, the cooling effect lasts for up to 4 hours: approximately 1.5 hours in a 140°F (60°C) environment, or 4 hours in a 113°F (45°C) environment.

RECHARGE

The elements can be recharged in approximately 4 hours at room temperature (68°F/20°C) without external energy. When all of the PCM elements have solidified, the vest is ready for use again.

ELEMENTS

The PCM elements consist of a non-toxic, non-flammable blend of salts. The elements can be repeatedly used and recharged without removing them from the vest.

SPARE AND REPLACEMENT ELEMENTS

To facilitate prolonged periods of work, spare sets of PCM elements are available for rotation.

STYLES

- 97-609 ACTIVARMR™ Standard Cooling Vest
- 97-610 ACTIVARMR™ Flame Retardant Cooling Vest

VEST MATERIAL

- 97-609 Inner/outer material: Polyester
- 97-610 Inner/outer material: Marko® Flame Retardant*

* The Marko® material has been tested to the material requirements of EN ISO 16612 with the following classification levels: A1 and A2 for limited flame spread, B1 for convective heat, C1 for radiant heat and F1 for contact heat. Please note that only the material is tested and the cooling vest is not tested or approved as a fire or heat protective garment.

PACKAGING MATERIAL

PCM element packaging: Aluminum

WEIGHT

Vest weight: approx. 4.4 lbs (2 kg).

COLORS

- 97-609: Black
- 97-610: Dark blue

SIZES

Available in four sizes. Note: The vest has a tight fit.

SIZE	CHEST WIDTH
SMALL / MEDIUM	33-39 inch (84-100 cm)
LARGE / X-LARGE	39-45 inch (100-116 cm)
2X-LARGE / 3X-LARGE	45-51 inch (116-132 cm)
4X-LARGE / 5X-LARGE	51-58 inch (132-148 cm)

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