

**BENEFITS:**

- Mitigates heat stress
- Reduces dehydration risk
- Maintains core body temperature
- Increases mission duration
- Maintains cognitive skills
- Enhances operational effectiveness

**SPECIFICATIONS:**

- **Cooling:** 72°F Vest Temperature
- **Size:** 2.7" x 5.2" x 6.7"
- **Weight:** 4 lbs (+3.1lbs for battery)
- **Power Source:**  
BB-2590/U, 12 VDC Batteries
- **Power Usage:**  
50W to 100W dependent on ambient temperature
- **Endurance:**  
2-4 hours (BB-2590/U)
- **Max Ambient Operating Temperature:** 140°F
- **Designed for Rugged Applications**

## Personal Cooling System (PCS)

RINI Technologies' Personal Cooling System (PCS) is the smallest, lightest, and most efficient personal cooling solution available today. The PCS employs patented technology in a vapor compression cycle to chill water to 72°F. Chilled water then circulates through a Cooling Vest worn beneath protective gear, close to the skin. This chilled water pulls heat from the body, releasing the heat to the Personal Cooling System internal heat exchanger. In this manner, the PCS effectively and efficiently maintains the core body temperature of the wearer. The system works continually and reliably, even under strenuous activity in harsh ambient conditions.



PCS      Battery



Cooling Vest



AVIATION



BOMB DISPOSAL



CHEM/BIO

