

## 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:** 8" tall x 3.3" diameter
- **Weight:** 3.6 lbs (+3 lbs for battery)
- **Power Source:**  
BB2590/U, 24-28 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 Thermal Management System (PTMS)

RINI Technologies' Personal Thermal Management System is the smallest, lightest, and most efficient personal cooling solution available today. The PTMS 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 Thermal Management Unit (TMU) internal heat exchanger. In this manner, the PTMS 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.



Aviation



Bomb Disposal



Chem/Bio