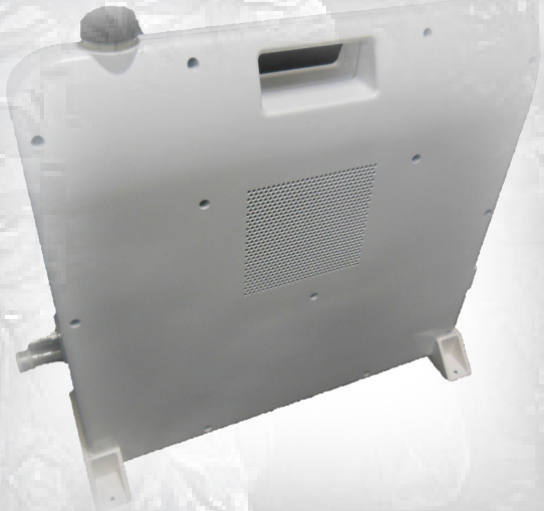
Rocky Research - Available Technologies

Portable Body Temperature Conditioner
Field Usable - Military / Ambulance / Rescue





APPLIANCE OVERVIEW

2 in 1 Heating & Cooling

- **Three operating modes**
  1. Manual – H2O Out Temp.
  2. Automatic – Patient Temp.
  3. Gradient – Difference H2O & Patient Temp.
- **Pulsating TXV** – Provides precise control of refrigerant flow modulation for optimal thermodynamic efficiency
- **Variable Speed Electronics** – Minimizes power consumption by adjusting compressor speed to the load demand
- **Power** – Powered by 24 VDC or 120 VAC
- **Built in Battery Capacity** - 60 to 120 minutes
- **Portability** – Fully portable briefcase geometry designed for shock and vibration
- **Size:** 25”L x 8”W x 23”H
- **Weight:** ~ 34 lbs

CYCLE FEATURES

Heating Cycle:

Target Capacity: 300 to 800 Watts (1,000 to 2,700 Btu/hr)
Ambient Operating Temperature: -40°C to 60°C (-40°F to 140°F)
Maximum Blanket Temperature: Control limited to 42°C (108°F)

Cooling Cycle:

Target Capacity: 200 to 500 Watts (600 to 1,700 Btu/hr)
Ambient Operating Temperature: -40°C to 60°C (-40°F to 140°F)
Minimum Blanket Temperature: Control limited to 4°C (39°F)

STATUS

Operational prototype available for demonstration

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Rocky Research

Cool solutions to thermal problems.

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