



NANOHMICS

# THE BLOOD AND PHARMACEUTICAL COOLING AND STORAGE SYSTEM

## FREEZE, REFRIGERATE, OR WARM IN ANY DRAWER

The Blood and Pharmaceutical Cooling and Storage System (BPCS) is a rugged portable refrigeration system that has 3 independently controlled temperature zones that each can be set between -18°C and 25°C making it an ideal system for storing blood products, fresh frozen plasma, and pharmaceuticals. The system leverages a high efficiency miniature compressor to maintain target temperatures while minimizing power draw and system cube.

## SYSTEM OVERVIEW

Three zone, independent temperature control  
Selectable range for each drawer -18°C to 15°C  
Est. Hold Times (at 49°C Ambient. -5°C set point).

POWERED OPERATION	INDEFINITE
BATTERY OPERATION	> 8 HOURS
PASSIVE OPERATION	> 6 HOURS
TOTAL PAYLOAD VOLUME	38.8L
DRAWER 1	7.25L (13.9"X9.8"X3.25")
DRAWER 2, 3	15.8L (13.9"X9.8"X7.1")
OVERALL DIMENSIONS	32.3"X20.9"X17.7"
WEIGHT	~78 LBS.



- Metal Enclosure designed to MIL standards
- Miniature high efficiency compressor
- High R value foam insulation
- Internal temperature logging



## TRANSPORT WITH CONFIDENCE

The BCPS is a powered refrigeration unit that lets you reliably transport temperature-sensitive materials to places with non-existent or unreliable power. It is ideal for transporting life-saving blood, vaccines and supplies quickly and safely in any environment.



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# THE BLOOD AND PHARMACEUTICAL COOLING AND STORAGE SYSTEM



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## THE BPCS

is a powered refrigeration unit that lets you transport heat-sensitive materials in places where you may experience vehicle power interruptions.

It is ideal for transporting life-saving blood, vaccines and supplies quickly and safely in any environment. It was specifically designed for the armored multipurpose vehicle (AMPV).

The envelope and payload dimensions were selected to house 10 units of blood and minimize the overall volume while optimizing the performance of the system.

## PROPRIETARY PCM PAYLOAD DESIGN

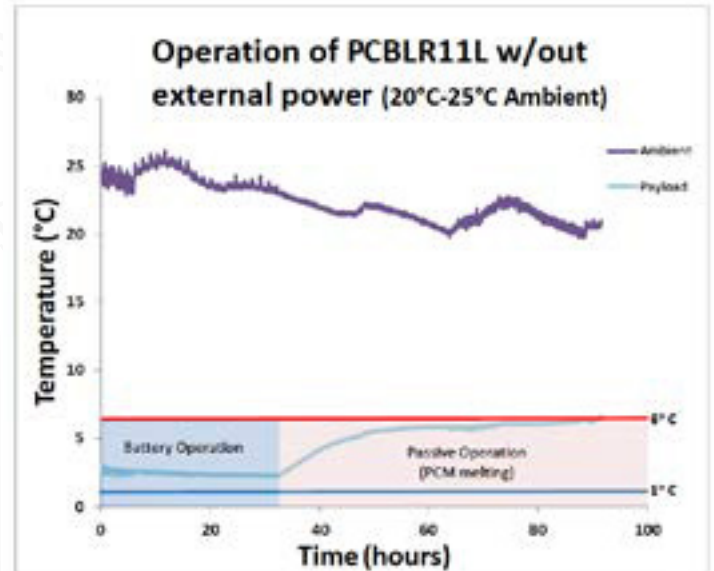
- Filled with proprietary phase-change materials (PCM)
- Provides constant internal temperature with no AC or battery power
- Allows extended payload temperature control without using vacuum panel insulation, resulting in a more rugged system with a longer usage life

## FEATURES

- Ruggedized case with carry handles
- Heavy-duty door latch for secure transportation
- Overvoltage, overcurrent and thermal protection
- Tip-over sensing for compressor protection

## THERMAL PERFORMANCE AND PAYLOAD

- Operates without external power for up to 96 hours\*
- Functions in environments of up to 50°C
- Has an approximate payload capacity of 11 liters
- Tip-over sensing for compressor protection



## PRICING

Three zone, independent temperature control  
Selectable range for each drawer -18°C to 15°C  
Est. Hold Times (at 49°C Ambient, -5°C set point).

QUANTITY	PRICE
1 — 19	\$11,850.00
20 — 49	\$9,995.00
50 — 99	\$9,150.00
100+	\$8,040.00



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