

# WHEN SAFE ARRIVAL IS CRITICAL

# Keep it CSafe



## We are all connected.

In biopharma, there is no room for error. Product shipments can save and improve lives, and have positive impacts on entire communities, but only if they arrive safe, stable, and effective.

That's why we developed the RKN active temperature management solution, with twice the battery life of competing systems, automatic temperature monitoring with fast, free data transfer, and global regulatory approval for aircraft use on both decks.

From scientists conducting breakthrough research, to providers on the front lines of healthcare delivery, we are all connected. There can be no "weak link" in the cold chain—and with CSafe, there never will be.

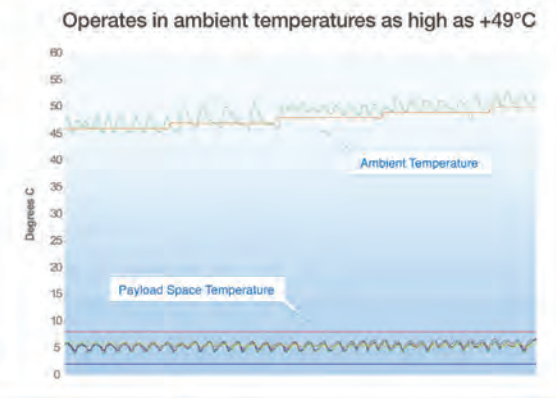
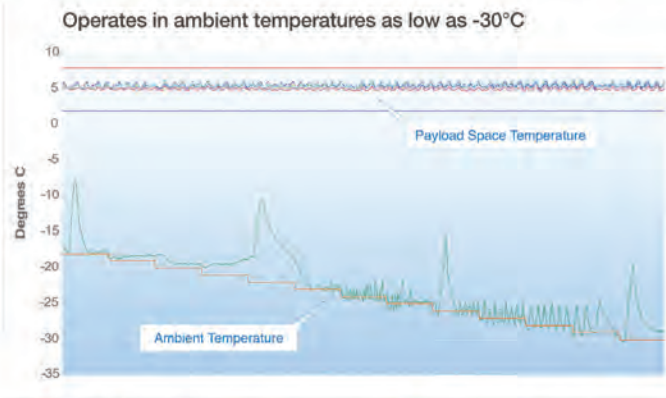


One world. One cold chain. One mission.

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**Advanced Data Logging and Monitoring**

- The RKN incorporates internal data logging capabilities to verify payload integrity.
- The unit uses three-point averaging to monitor and control internal temperature
  - The unit also monitors and records in frequent intervals:
    - Ambient temperature
    - Battery state
    - System status
    - Door status
    - Power mode changes
    - Door openings
    - Maintenance requirements
  - Encrypted data file can be instantly downloaded via USB flash drive without the need for special equipment
  - Data downloading and usage is free

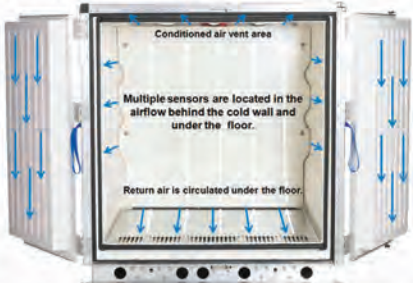


**Physical Specifications**

Payload Volume: 1.975 m <sup>3</sup> (70 ft <sup>3</sup> )
Internal Dimensions L x W x H cm (inches): 121.9 cm x 127.3 cm x 127.8 cm (48.0 in x 50.125 in x 50.3 in)
External Dimensions L x W x H cm (inches): 196.2 cm x 150.5 cm x 161.4 cm (77.25 in x 59.25 in x 63.56 in)
Tare Weight: 646 kg (1425 lb)
Maximum Gross Weight: 1588 kg (3500 lb)
Maximum Net Weight: 941 kg (2075 lb)

**Operational Specifications**

- **Power Sources**
  - AC power
  - Internal batteries
  - Run time: over 100 hours in refrigeration mode at 23°C ambient
  - Maximum recharging time: 5 hrs
  - Recharge capabilities anywhere in the world
- **Temperature Set-Points**
  - User selectable between 4°C (39.2°F) and 25°C (77°F)
  - Ambient operating range: -30°C to 49°C
  - Tolerance band for set-point ±2°C
- **Container Design**
  - Forkliftable base
  - Accepts standard GMA pallets in any orientation
  - Flat bottom for roller conveyor transport
  - Easy access to cargo area



CSafe's unique interior design allows the conditioned air flow to encapsulate the payload on all sides. This gives superior temperature mapping and high operational efficiency.