



SINOCLIMA

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High-Efficiency Dual-Temperature Refrigeration Units for Trucks & Vans

In the modern global cold chain, dual-temperature refrigeration units are widely adopted and popular, serving as essential components for complex supply chains. Valued for flexibility, efficiency and cost-effectiveness, they are used in food & beverage, pharmaceutical logistics, general logistics and retail.

Core Functions & Features of Dual-Temperature Refrigeration Units & Insulated bulkhead

A dual-temperature system integrates two core components: dual-temperature refrigeration units and specialized refrigerated insulated bulkhead.

1. Refrigerated Insulated bulkhead

Thermal Isolation: Made of high-density polyurethane foam, they form airtight independent compartments to prevent temperature cross-contamination.

Flexibility & Durability: Fixed or movable, adjustable for cargo volume, with a robust structure for long-term use.

Space Optimization: Convert a single refrigerated space into two temperature zones, maximizing space utilization.

2. Dual-Temperature Refrigeration Units

Independent Dual-Zone Control: One compressor with two evaporators and solenoid valves, maintaining two temperature ranges (e.g., -18°C~-12°C for freezing, 2°C~8°C for refrigeration).

Precise Temperature Control: ±0.5°C accuracy, ensuring the safety of temperature-sensitive goods during storage and transportation.

Energy Efficiency: Independent zone management reduces energy waste, more efficient than two single-temperature units.

Wide Adaptability: Reliable in extreme ambient conditions for long-haul transit.

Sinoclima Advantage

SINOCLIMA is a global leader in dual-temperature refrigeration units, fully compatible with high-quality insulated partitions.

Key advantages: premium components (Germany, Italy, USA), ATP compliance, low downtime, intelligent digital controls, and a full product line (C-300Pro, SF-1000D for trucks, vans, trailers).

Explore SINOCLIMA Dual-Temperature Products:www.sinoclima.com

Global Reach & Applications

SINOCLIMA's units are exported to over 20 countries/regions: Southeast Asia (Thailand, Malaysia), Middle East (UAE, Saudi Arabia), Africa (South Africa, Nigeria), Oceania (Australia), Europe (Russia, UK), Americas (USA, Brazil).

Application Scenarios

Food & Beverage: Simultaneous transport of frozen meats, ice cream and fresh produce, optimizing logistics efficiency.

Pharmaceutical: Safe transportation of vaccines (2-8°C) and frozen biological samples, meeting pharmaceutical cold chain standards.

Logistics & Warehousing: Used in dual-temperature cold storage for sorting multi-temperature goods, improving operational efficiency.

Retail: Applied in supermarket display cabinets and floral transport to maintain product freshness.

Get Expert Advice

For detailed technical info, project requirements or recommendations, contact us: <https://www.sinoclima.com/contact.html> Our cold chain experts provide customized solutions.