ARCTICart™ – Thermally Insulated In-Flight Cart

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Innovative Solution for chiller-free Galleys and multi-segment Catering

ARCTICart™ by Bucher is an ATLAS in-flight cart developed for the storage and transport of chilled meals which achieves:

Full compatibility
With internal and external dimensions of ATLAS standard (i.e. drawers / trays and galley garage).

Self-contained thermal insulation
No need of external support like air chillers or dry-ice as coolant.

Maximum payload
Internal usable space is not reduced by cooling cassettes or extra insulation material.

How does ARCTICart™ work?

Equipped with a **high performing thermal insulation** ARCTICart™ is able to keep its content chilled for an extended period of time.

Passive thermal shields **combined with an optimized structural design** keeps the initial temperature of food and drinks stable and low. Its autarkic refrigeration concept relies on **minimizing heat leakage between cart interior and external environment**.

ΔT of less than 4 °C (39 °F) over 20 hours without dry ice!
Pre-conditioned chilled payload warms-up very slowly

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Benefits

- ARCTICart™ is available in ATLAS half-size and full-size.

- ARCTICart™ enables a **fully-mechanical, passive, safe and dry food preservation method.**

- Return or multi-segment catering strategy with ARCTICart™ enables **yearly cost savings per flight route between $50,000 and $100,000.**

Optimized volumetric capacity: up to 7 standard drawers can be stored in one half-size ARCTICart™

Optional ice-shelf stretches the thermal preservation capacity if needed (extra-long TAT between flights, longer routes)

Hard exoskeleton out of aluminum for maximum resistance at lighter weight

Door system and function similar to conventional carts with 270° opening angle

Braking system: reliable and proven Bucher braking system as used in conventional carts

Interested in our thermally insulated in-flight cart? Our Sales team is glad to assist you at any time.

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