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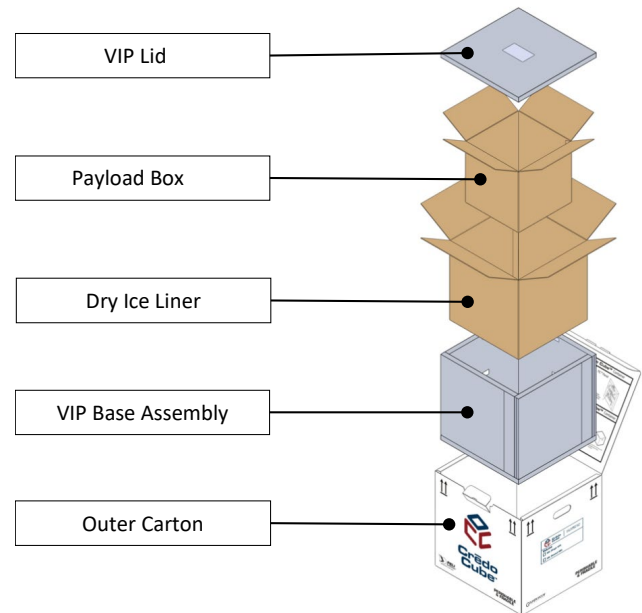
Crêdo Cube™ Dry Ice User Guide

Product Overview

Crêdo Cube™ parcel shippers are durable and compliant with ISTA 3A General Simulation performance testing. This ensures that they can deliver accurate, long-lasting temperature control allowing for market-leading operational efficiencies and quality.

The modular design provides efficiency in storage, high payload volume to exterior ratio, and simplicity in conditioning and pack-out.

System Diagram



Crêdo Cube Shipper Benefits

Easy quick assembly and single, simple pack-out for all seasons.

Reusable patented technology that is recyclable reducing environmental impact.

Enhanced performance and proven payload protection eliminates temperature excursions.

Reduces overall distribution costs.

Longevity of components = lowest cost per use.

Reduce payload risk.
Reduce distribution costs.
Reduce environmental impact.

Ensuring Consistent Performance

Ensure all components are clean and free of damage.

Follow assembly instructions printed on the inside lid of the outer box.

Avoid unnecessary opening of the container after loading the payload.

Ensure VIP lid is flat and secure before sealing the container for transport.

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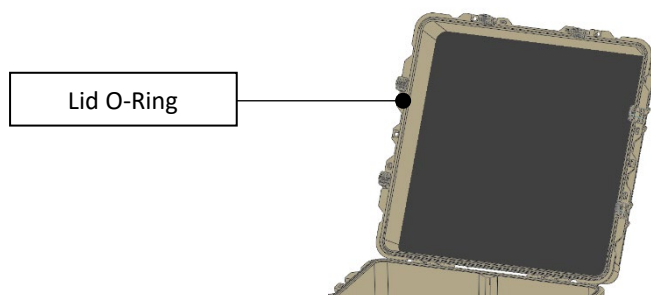
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1. Crēdo DURACUBE™ HD Preparation

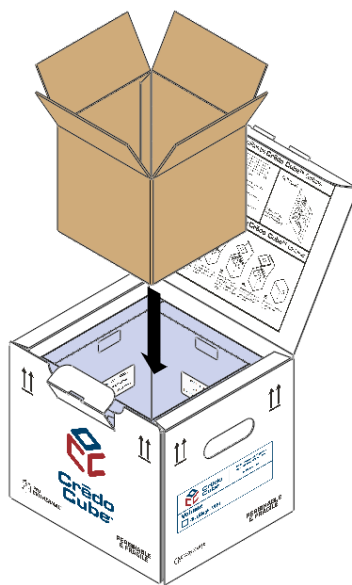
Remove the O-ring from the lid prior to packing. This will allow gasses to escape and prevent the container from becoming pressurised.



2. Packing Your Crēdo™ Thermal Shipping Solution

2.1 Crēdo™ Cube 1.8L

- 1) Insert the liner box into the insulator.



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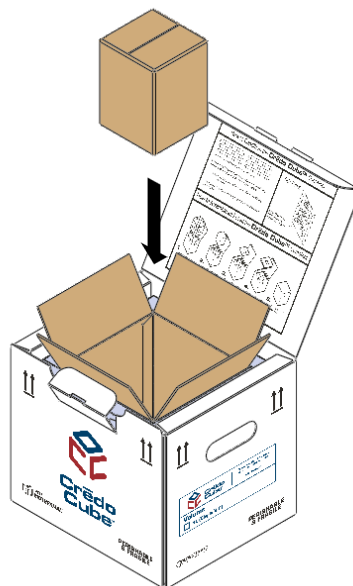
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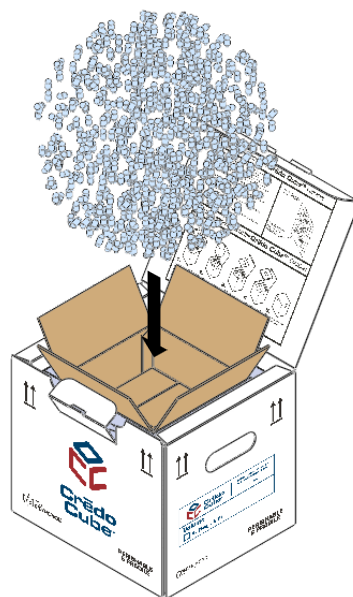
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- 2) Place the conditioned payload box into the liner box.



- 3) Fill the space around the payload box with dry ice pellets, ensuring that the payload remains central, and then on top to fill the remaining space.



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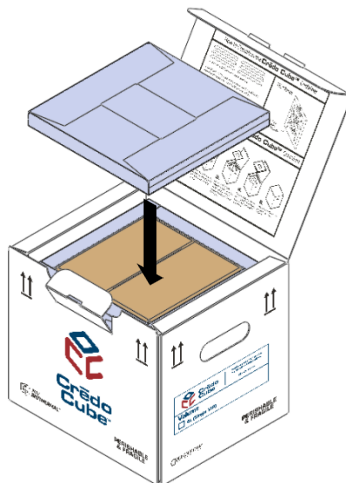
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- 4) Close the top flaps of the liner box and place the insulator lid over the liner box making sure that the lid is flat and touching on all sides.



- 5) Close and secure the outer box.



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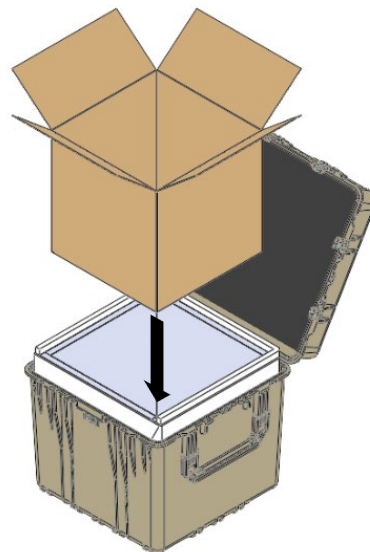
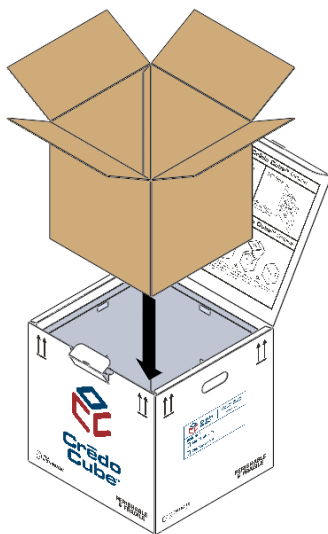
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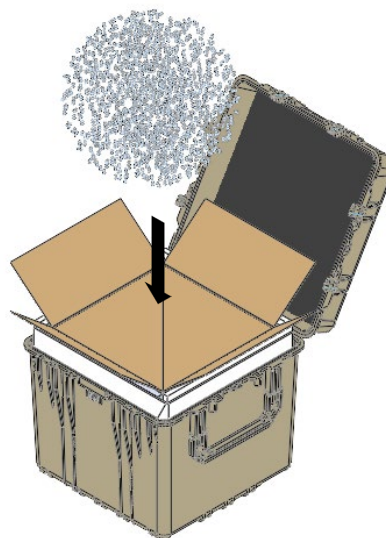
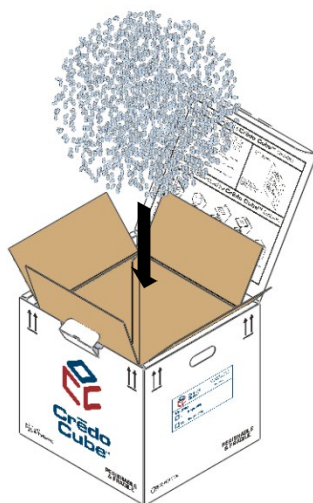


2.2 Standard Configuration

- 1) Insert the liner box into the insulator.



- 2) Cover the base of the liner box with an approximately 25mm layer of dry ice pellets.



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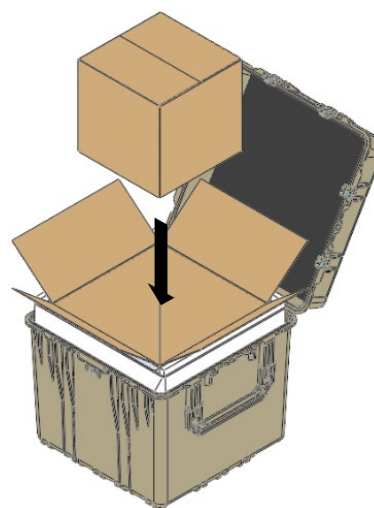
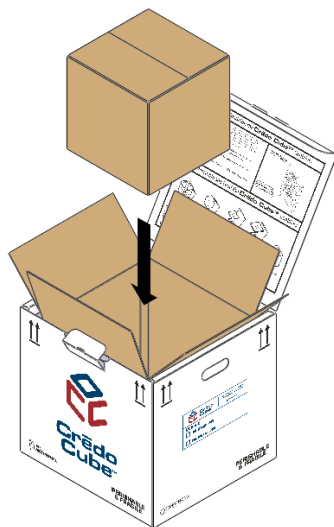
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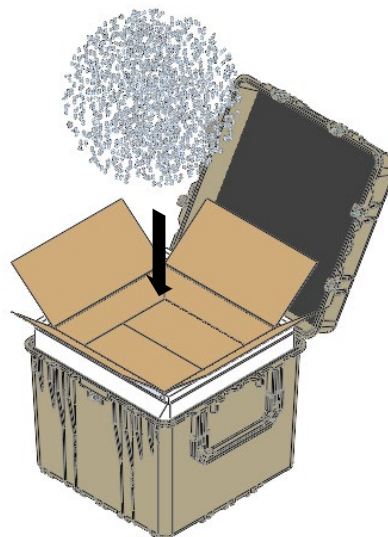
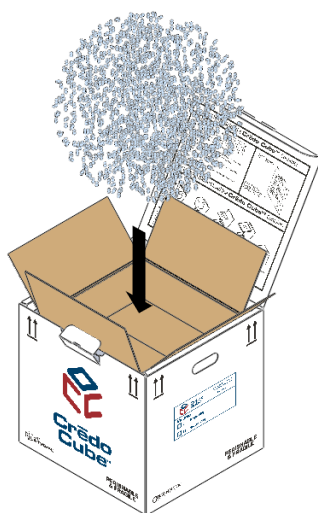
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- 3) Place the conditioned payload box into the liner box.



- 4) Fill the space around the payload box with dry ice pellets, ensuring that the payload remains central, and then on top to fill the remaining space.



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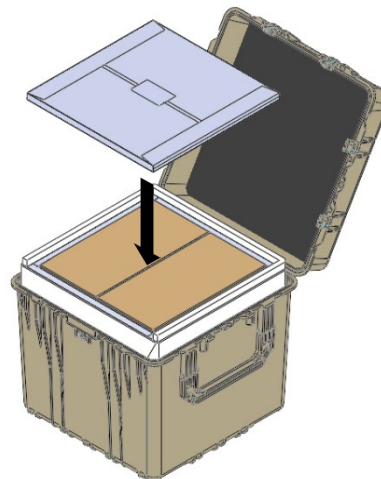
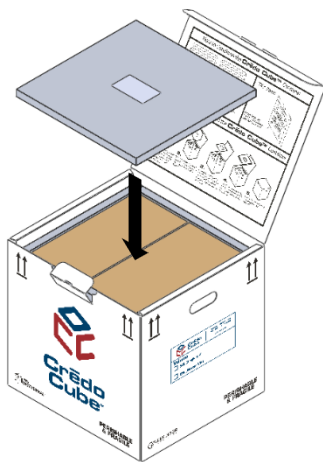
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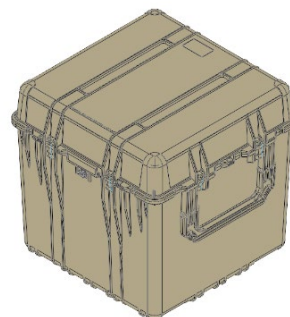
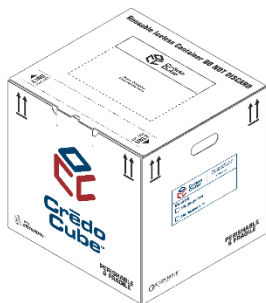
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- 5) Close the top flaps of the liner box and place the insulator lid over the liner box.



- 6) Close and secure the outer box.



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3. Caring for your Crêdo™ Thermal Packaging Solution

3.1 How to Clean Your Crêdo Components

- **Insulator lid and base:** Clean the insulator lid and base by using a damp towel with soap or a rag with isopropyl alcohol.
- **Plastic corrugated outer box:** Clean the plastic outer box by using a damp towel with a non-abrasive soap or a rag with isopropyl alcohol.

DO NOT:

- Autoclave any of the components.
- Use any organic solvents such as acetone or methyl ethyl ketone (MEK) on any of the components.
- Use any abrasive cleaners on any of the components.

Note: If your preferred cleaning method is not mentioned above, please contact your Sales Account Manager at Peli BioThermal.

3.2 How to Perform a Thermal and/or Transit Qualification

Peli BioThermal offers thermal and transit qualification services, to industry standards, via our thermal laboratory. We also offer a NIST traceable PC-based temperature data logger that fits inside the container and provides accurate, continuous time and temperature data in a spreadsheet format. We utilize and follow ISTA procedure 7D or 7E, which are ASTM D3103 compliant to guide you through your thermal testing process. We recommend ISTA procedure Series 1, 2, or 3, or ASTM D4169 to guide you through your transit testing. Many of our units are already transit tested to ISTA procedure 3A. The certification can be found on the bottom of the shipper.

3.3 How to Inspect and Replace Vacuum Insulation Panels

The Vacuum Insulation Panels (VIPs) in Crêdo containers are extremely effective as long as they hold an internal vacuum. Periodically inspect the VIP lid and base surfaces. Loss of rigidity indicates a compromised panel. A loose skin or non-rigid panel indicates vacuum loss and the product should be recycled (refer to Section 4). Avoid removing the VIP base from the outer corrugated box. Replace the VIP lid and VIP base before the expiration date printed on each panel.

3.4 Integrity of the Insulated Container

During the refurbishment process, we recommend inspection of the VIP cube to ensure that it is structurally rigid with all joints tightly closed between the VIP panels. If the VIP cube appears to be loose fitting, lacking rigidity or in any other way defective, we advise not to redeploy the unit back into service. We recommend that you contact your Peli BioThermal Service Center or account representative to discuss inspection and either qualified repair of the unit or replacement of the defective component.

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4. Peli BioThermal End-of-Life Component Recycling Program

Peli BioThermal is strongly committed to reducing the environmental impact of its product components throughout and beyond their functional life. When Crêdo™ container components do reach end of usefulness, Peli BioThermal is pleased to offer the ability to send retired shippers back to our manufacturing facilities in the US and UK where they will be dismantled, sorted and their materials recycled.

Important:

Prior to sending Crêdo system components back to Peli BioThermal for disposition, you are required to send a Certificate of Non-Contamination (see page 11) to your Peli BioThermal Sales Account Manager declaring the product to be free of any substances/materials considered hazardous to human health (OSHA Standards). You will then be issued a Return Authorization to include with your shipment.

COMPONENT RECYCLING LOCATION:

Please send* all Crêdo components (VIPs and outer containers) to:

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10050 89th Avenue North,
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COMPANY PROGRAM DISCLAIMER:

Client is responsible for freight charges for shipment to Peli BioThermal.

Two weeks advance notice is required prior to product delivery date to Peli BioThermal.

The ownership of returned product is relinquished once received at Peli BioThermal.

No refunds or reimbursements.

Take the next step... **REDUCE, REUSE and RECYCLE.**

Thank you!

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5. Certification of Non-Contamination

(Please copy and paste into your company letterhead)

CERTIFICATE OF NON-CONTAMINATION

As a company representative of (enter company name), I hereby certify the following Crêdo™ components, being returned to Peli BioThermal for disposition, are to the best of my knowledge free of any bio-hazard substances/materials harmful to human health as subject to and currently established by OSHA guidelines.

Description and quantities of Crêdo components:

Authorized Company Representative:

Company Name: _____

Name: _____

Signature: _____

Title: _____

Date: _____

Please return completed form via email at DG-PLYORDER@pelican.com or fax to: +1 763-413-4801

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