Cool/td
The right conditions for temperature-sensitive goods.
Cool/td: For the exact temperature you need.

When transporting sensitive cargo such as insulin, vaccines, or delicate technology, a constant, precise temperature is essential. To ensure that these goods arrive in perfect condition, our product Cool/td utilizes active and passive cooling to enable you to specify the exact temperature, or temperature range, necessary. If you wish to ship temperature-sensitive hazardous goods, we additionally offer the service Cool/td & DG.

Cool/td-Active: You set the temperature – we keep it constant.

Cool/td-Active supports the maintenance of an unbroken temperature controlled logistics chain from a facility of origin through all phases of air transportation, up to delivery at the destination.

• Cool/td-Active provides a comprehensive range of active cool-containers backed up by special handling processes, trained personnel and specific infrastructure
• The Opticooler uses compressor technology to maintain a precise temperature range independent from ambient conditions
• Constant temperature control is maintained in the container cargo area throughout the entire journey
• Freight remains in the container throughout the entire transportation chain
• Containers can be provided beyond the airport, to allow loading and unloading by shipper and recipient, to prevent temperature fluctuations during ground handling as well

Cool/td-Passive: Your cargo, perfectly protected.

Cool/td-Passive is a special service designed for temperature-sensitive goods in packaging that provides passive temperature control.

• Insulated packaging specially selected and approved by the customer prevents temperature fluctuation of the contents for a limited time, regardless of outside conditions
• We support this with special procedures, dedicated infrastructure and trained personnel
• We ensure that freight packed for passive temperature control is handled and shipped in such a way that the insulation’s ability to protect the contents is supported in the best possible way

Continuous recording of operational parameters such as:
Start and end of operation, energy supply, charging times, interior temperature, alarms, ambient temperature, time and duration of temperature deviations, interior humidity, door movements, time and duration of door openings.

Freight that should fly with Cool/td.

Cool/td is the solution for all types of temperature sensitive cargo, whether at a constant -20 °C or +30 °C or within any other particular range:

• Pharmaceutical products, biotechnological material, diagnostics
• Vaccines, serums, plasma, proteins, lab tests
• Temperature-sensitive high-tech products (such as semiconductors)
• Temperature-sensitive dangerous goods
• High-value foods that require refrigeration
Special containers with active temperature control.
Refrigerated units and units that can heat and cool at the same time meet virtually all requirements for shipping at controlled temperatures. The temperature range is individually adjustable from -20 °C to +30 °C (-4 °F/+86 °F).

Cool/td & DG – temperature control for dangerous goods.
Cool/td & DG is a special service for the transportation of almost all temperature-sensitive goods classified as dangerous (DGR). Goods are kept within a defined temperature range and shipped in strict compliance with IATA Dangerous Goods Regulations.

- Cool/td-Active & DG for air transportation in specifically designed cool-containers
- Cool/td-Passive & DG for air transportation in special isolated containers that prevent temperature fluctuations for a limited time, or in cases where temperature fluctuations can be accepted to a certain extent

Your benefits:
- Minimal tarmac exposure times and storage in protected, temperature-controlled surroundings where available
- Shipments travel in temperature-controlled cargo compartments wherever possible, depending on the aircraft type
- Special containers with active temperature control (Cool/td-Active)
- Uninterrupted recording of temperature data for Opticooler and Unicooler
- Documentation of the transportation chain

Talk to us!
Do you have questions? Please do not hesitate to get in touch with us!
At lufthansa-cargo.com you can find more details on our services and their benefits for you, along with all the ways to get in touch with us, quickly and easily.

Of course: Simple booking and communication.
High quality transportation from origin to destination means maximum reliability with minimum complexity. We provide this as a matter of course.

- Book by fax or e-mail via the Lufthansa Cargo Center
- Get the current status of your shipment around the clock by online eServices with eTracking, or by Electronic Data Interchange (EDI)/Traxon

<table>
<thead>
<tr>
<th>Container Technology</th>
<th>Heat- and cool container</th>
<th>Refrigerated container</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal temperature range</td>
<td>20°C/+30°C (-4°F/+86°F)</td>
<td>20°C/+30°C (-4°F/+86°F)</td>
</tr>
<tr>
<td>Recording</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Container</td>
<td>Unicooler LD3 (RKN)</td>
<td>Opticooler LD3 (RKN)</td>
</tr>
<tr>
<td></td>
<td>Unicooler LD9 (RAP)</td>
<td>Opticooler LD9 (RAP)</td>
</tr>
<tr>
<td></td>
<td>C-safe (LD3/ RKN)</td>
<td>Envirotainer LD3 (RKN)</td>
</tr>
<tr>
<td></td>
<td>Envirotainer LD9 (RAP)</td>
<td>Envirotainer LD9 (RAP)</td>
</tr>
<tr>
<td></td>
<td>Typ D</td>
<td>Typ D</td>
</tr>
</tbody>
</table>

Your benefits:
• Minimal tarmac exposure times and storage in protected, temperature-controlled surroundings where available
• Shipments travel in temperature-controlled cargo compartments wherever possible, depending on the aircraft type
• Special containers with active temperature control (Cool/td-Active)
• Uninterrupted recording of temperature data for Opticooler and Unicooler
• Documentation of the transportation chain

Talk to us!
Do you have questions? Please do not hesitate to get in touch with us!
At lufthansa-cargo.com you can find more details on our services and their benefits for you, along with all the ways to get in touch with us, quickly and easily.

Of course: Simple booking and communication.
High quality transportation from origin to destination means maximum reliability with minimum complexity. We provide this as a matter of course.

- Book by fax or e-mail via the Lufthansa Cargo Center
- Get the current status of your shipment around the clock by online eServices with eTracking, or by Electronic Data Interchange (EDI)/Traxon

Your benefits:
• Minimal tarmac exposure times and storage in protected, temperature-controlled surroundings where available
• Shipments travel in temperature-controlled cargo compartments wherever possible, depending on the aircraft type
• Special containers with active temperature control (Cool/td-Active)
• Uninterrupted recording of temperature data for Opticooler and Unicooler
• Documentation of the transportation chain

Talk to us!
Do you have questions? Please do not hesitate to get in touch with us!
At lufthansa-cargo.com you can find more details on our services and their benefits for you, along with all the ways to get in touch with us, quickly and easily.
Your requirements.
Our products.

By choosing to transport your cargo by air, you are choosing the fastest way of getting goods from A to B. Besides speed, Lufthansa Cargo has numerous other options for your cargo – meaning that valuables arrive well-guarded, zoo animals arrive relaxed, and temperature-sensitive goods reach their destination in a fresh state. Just choose the speed, the temperature and the level of security that you require, and adapt our transport solutions to meet your needs. The one thing that will always stay the same is our proven Lufthansa Cargo quality.

This is the new cargo logic: flexible, simple, made to order.

<table>
<thead>
<tr>
<th>td.Basic. When the price is crucial.</th>
</tr>
</thead>
<tbody>
<tr>
<td>td.Pro. When time is crucial.</td>
</tr>
<tr>
<td>td.Flash. When time is everything.</td>
</tr>
<tr>
<td>Safe. Optimum safety for valuable goods.</td>
</tr>
<tr>
<td>Safe. Keeping desirable goods safe.</td>
</tr>
<tr>
<td>Cool. The right conditions for temperature-sensitive goods.</td>
</tr>
<tr>
<td>Fresh. Get it there fresh.</td>
</tr>
<tr>
<td>Care. The safe way to transport dangerous goods.</td>
</tr>
<tr>
<td>Airmail/eCommerce. Packages and letters delivered on the wing.</td>
</tr>
<tr>
<td>Live. Individual care and comfort for all animals.</td>
</tr>
</tbody>
</table>

More information at lufthansa-cargo.com