

Application

**ICECAATCH®** Solid Insulated 2°-8°C

For the passive transport refrigeration of pharmaceutical and food products.





Cooling element

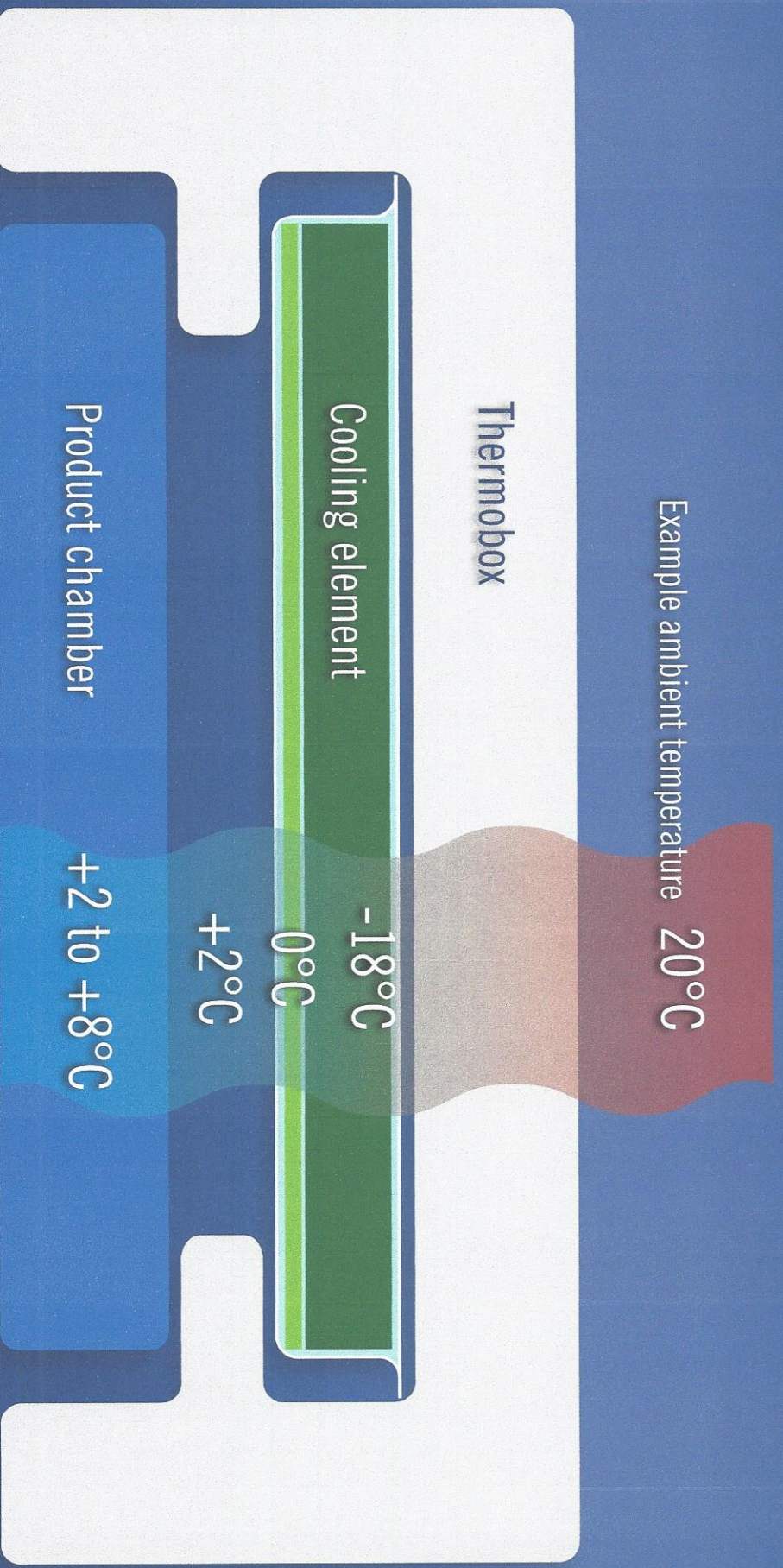
**ICECATCH®** Solid Insulated 2°-8°C

Icecatch Solid Insulated 1,100 g





The self-insulating cooling element with an integrated hydrophobic insulation layer makes sure that only the desired temperature of  $\pm 0^{\circ}\text{C}$  is emitted to the product chamber and that the temperature does not therefore sink below  $+2^{\circ}\text{C}$ .





## Functional principle

**ICECHATCH®** Solid Insulated  $2^{\circ}\text{C}$ – $8^{\circ}\text{C}$

The self-insulating cooling element with an integrated hydrophobic insulation layer makes sure that only the desired temperature of  $\pm 0^{\circ}\text{C}$  is emitted to the product chamber and that the temperature does not therefore sink below  $+2^{\circ}\text{C}$ .

Example ambient temperature  $20^{\circ}\text{C}$

Thermobox



$+2$  to  $+8^{\circ}\text{C}$  Product chamber



## Thermobox properties

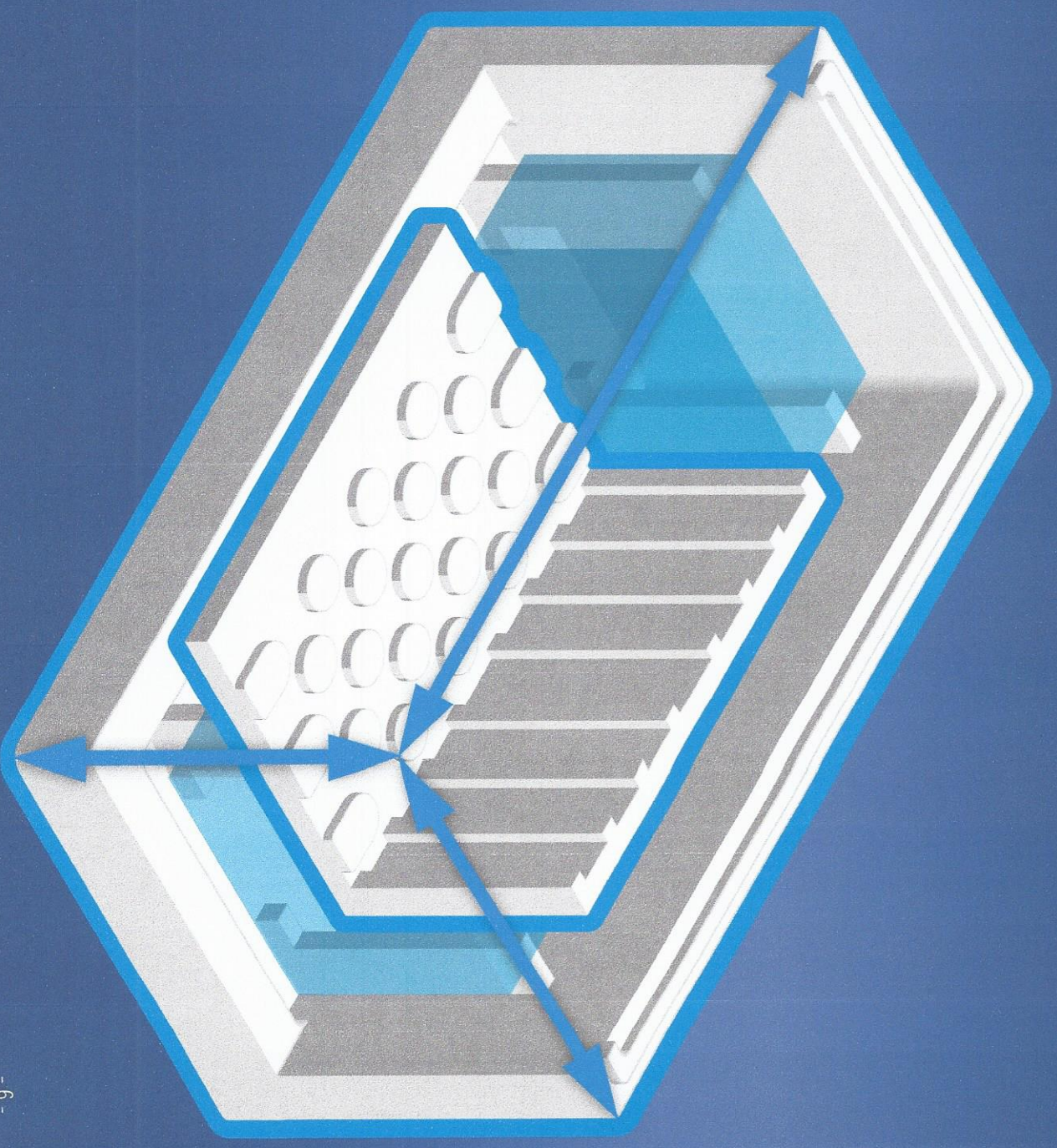
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Thermobox made from EPS

Convection channels  
provide a homogeneous  
temperature distribution  
even at maximum filling  
level.

Usable internal volume  
15 – 22 litres

External dimensions:  
L x W x H  
670 x 390 x 385 mm





## System packaging properties

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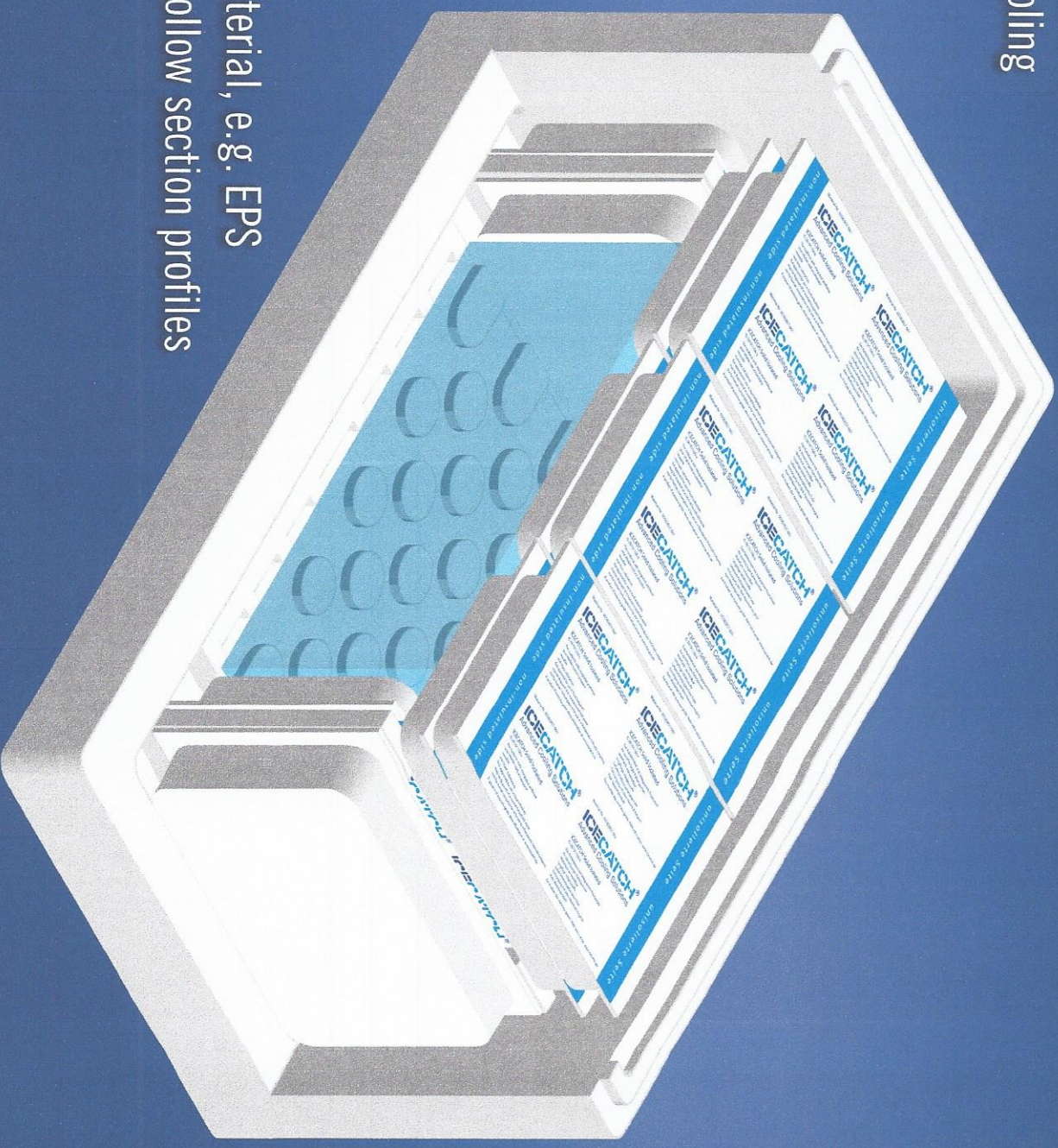
The modular structure of the box enables the use of 2 to 10 cooling elements, depending on the temperature and run time.

Due to there only being one format of cooling element, the packaging process becomes efficient and safe.

No varying preconditioning of the cooling elements.

Easy handling:

- ▶ No “thawing”
- ▶ No additional insulation material, e.g. EPS panels, vacuum panels or hollow section profiles

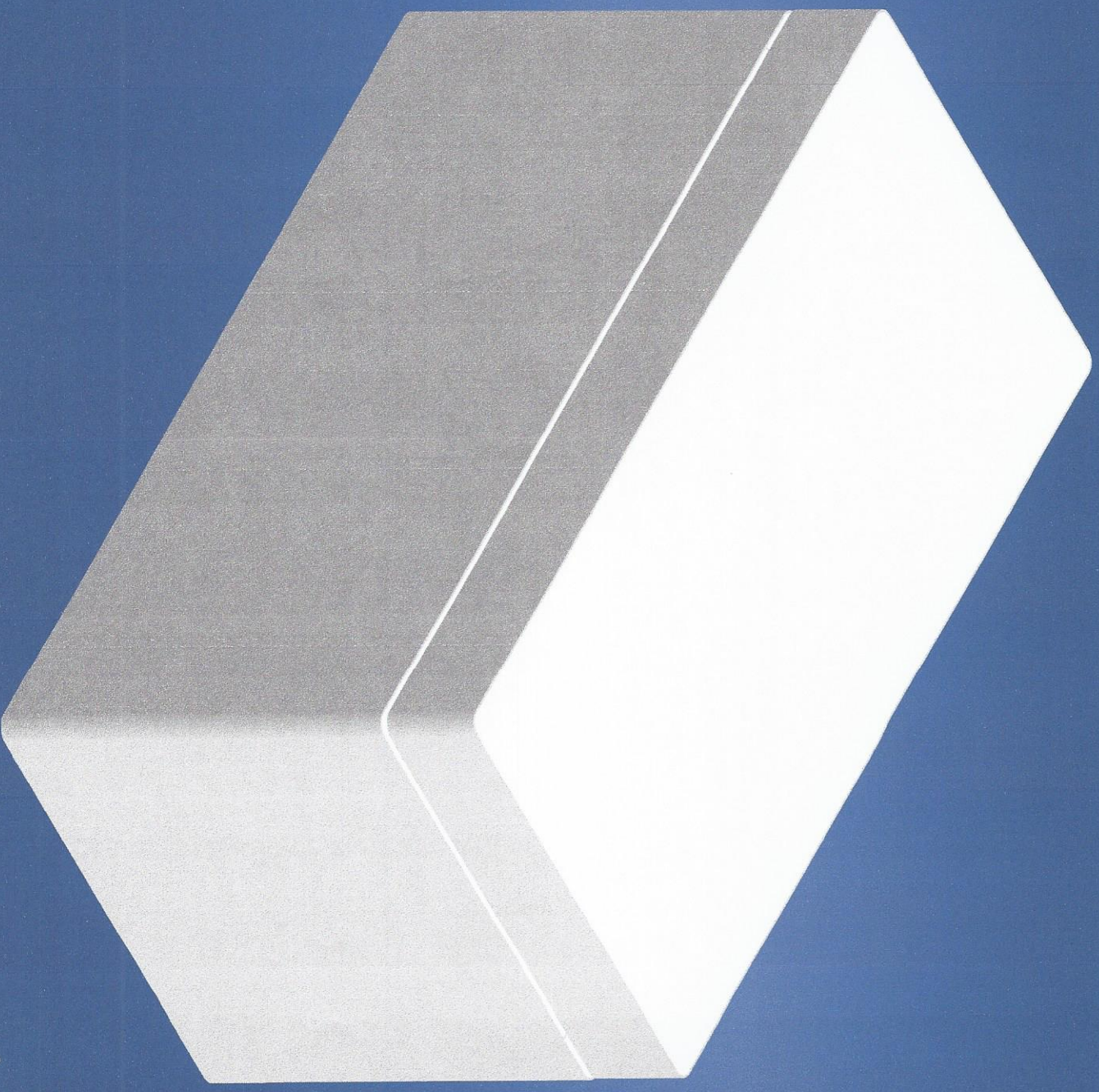




## Info for shipping

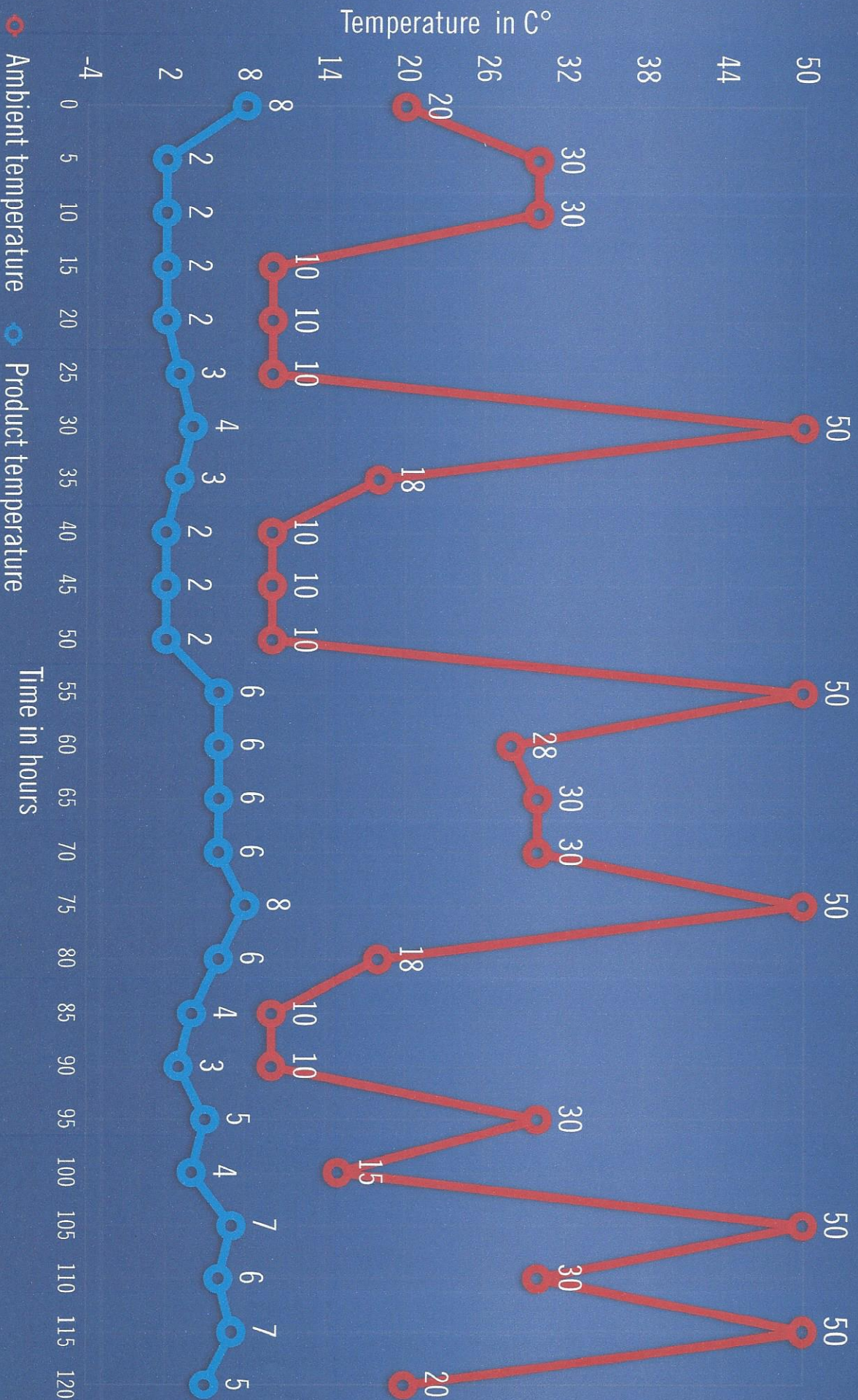
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The modular structure of the system packaging enables the weight of the necessary coolant to be kept to a minimum and thus reduces transport costs.





Test scenario: Summer profile 120 hrs – Thermobox with 10 cooling elements





- Safe and validated system solution for transporting at +2°C to +8°C
- No varying preconditioning of the cooling elements
- A single cooling element format
- Easy handling, no “thawing”, no additional insulation material
- Global availability of system elements
- Modular system in terms of temperature and run time requirements
- Reduced transport costs through the optimised coolant weight
- Batch documentation and traceability
- Reproducible cooling properties
- Conforming to FDA and EU regulations, non-toxic substances
- Approved, robust PA/PE film for food
- Immediate availability
- No tool costs