

Patent Pending



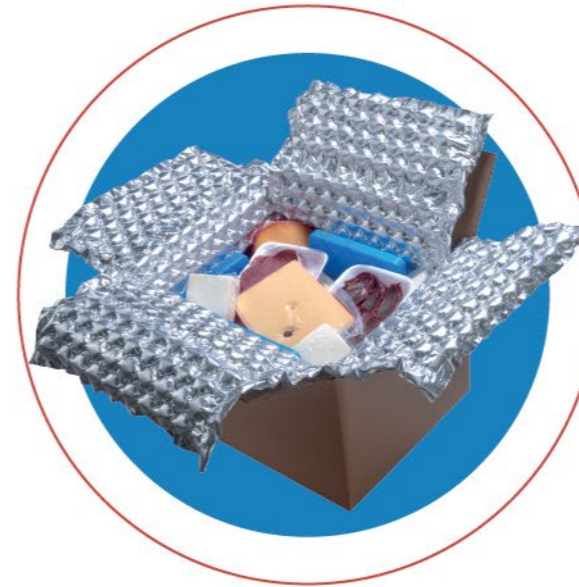
# On-Demand Thermal Insulation Solution

“ **Sustainable on-demand thermal insulation solution.  
In a 100% Recyclable way.** ”

Catering the most reliable and professional solution for cargo transportation, Airsafe® has evolved to Thermo Airsafe, integrating thermal insulation among its superior features. Thermo Airsafe emerges with a high-performance cushioning system and a radiant barrier that prevents heat transfer, ensuring peace of mind in packaging, storing, and distributing heat-sensitive products.

To safeguard temperature-sensitive products from external environmental conditions and varying temperature values during transportation, Thermo Airsafe is an ideal insulation packaging solution. Thermo Airsafe can be used in combination with cooling elements to extend the period of thermal protection and maintain the integrity of the product according to the heat sensitivity of goods, weather conditions and transit time.
















Thermo Airsafe provides an environmentally friendly thermal insulation solution that is versatile and sustainable. It is 100% recyclable and helps companies achieve their sustainability goals. It looks out for not only the temperature balance of the products it carries but also that of the Earth. Offering a highly efficient thermal packaging solution, Thermo Airsafe dramatically reduces CO2 emissions during transportation.

Catering the most reliable and professional solution for cargo transportation, Airsafe® has evolved to Thermo Airsafe, integrating thermal insulation among its superior features. Thermo Airsafe emerges with a high-performance cushioning system and a radiant barrier that prevents heat transfer, ensuring peace of mind in packaging, storing, and distributing heat-sensitive products.

#### Thermo Airsafe Thermal Insulation Packaging Systems;

-  Plug and use comfort
-  Simple setup advantage
-  Quick and easy roll change opportunity
-  Increases efficiency by providing ease of inflation in seconds










-  Increases productivity
-  Decreases the number of damaged goods
-  Minimizes material and labor costs
-  Reduces freight costs
-  Optimizes storage space
-  Helps to ship heat-sensitive products at optimal temperature levels
-  Provides a positive customer experience



Thermo Airsafe thermal insulation packaging systems, composed of 99% air, contribute to sustainability with low waste while allowing for space-saving in storage.

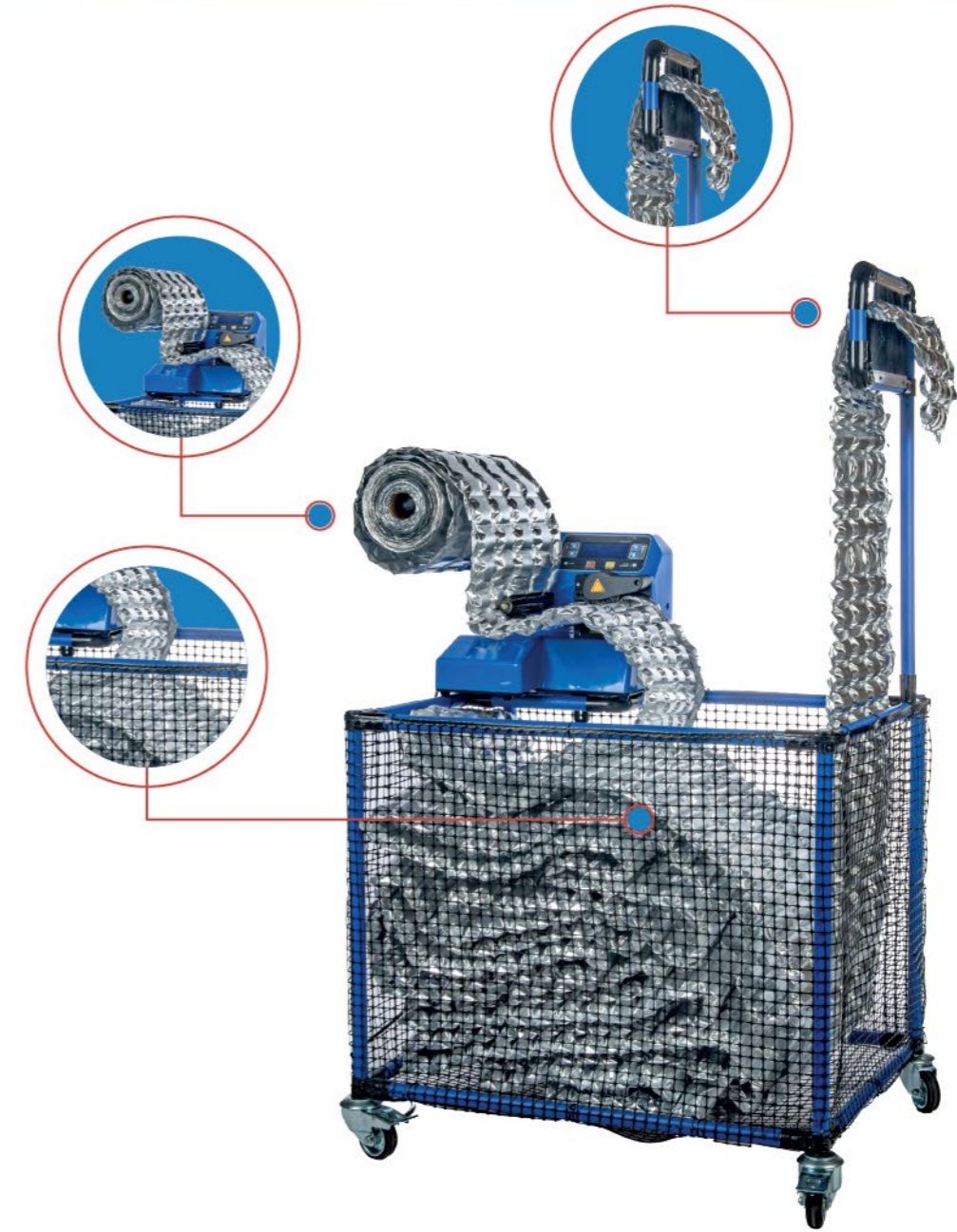
## Functions of Thermo Airsafe Thermal Insulation Packaging Systems;





-  Space saving
-  Wrapping
-  Void filling
-  Cushioning
-  Shock Absorption
-  Radiant Barrier
-  Heat Transfer Prevention



Preserved without inflation, Thermo Airsafe films facilitate ground-saving measures. Through the Thermo Airsafe Thermal Air Cushion Machine, it can be easily applied into the box by inflating just before use. Specially designed, the Thermo Airsafe machine creates a workstation that can seamlessly adapt to any business.

Providing one of the most ideal ways to transport products with temperature sensitivity, Thermo Airsafe creates a secure solution against external impacts by wrapping the products inside the box.



-  **Delivery;** The innovative delivery accessory provides user-friendly operation and prevents waste.
-  **Storing;** It is providing on site storage of inflated Airsafe air cushions. Already inflated Airsafe cushions are stored in the bin to supply effectively to one or more packaging stations.
-  **Inflating;** Airsafe Inflating Machine inflates all types of air cushions with its unmatched inflating capabilities. Production speed, inflation volume, and length are adjustable for superior product protection and efficiency.
-  **Empty/Full Bin Sensor;** It allows the system to automatically stop or continue filling the bin by sensing the fill rate.

## Application Areas;



**Food:** Frozen products, fish, meat and dairy products, delicatessen products, ice cream and pastry products, chocolates and confectionery, fruits and vegetables, fragile items (products stored with glass, ceramics, etc.)



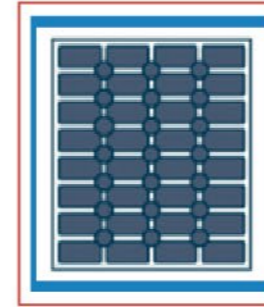
**Logistics:** Cold chain transportation, perishable cargo transportation, land, air, and sea transportation, micro-macro distributions, online sales distributions, catering services, fresh flowers



**Pharmaceutical and Medical:** Pharmaceutical products, vaccines, serums, blood, and similar medical material transportation, medical and healthcare supplies

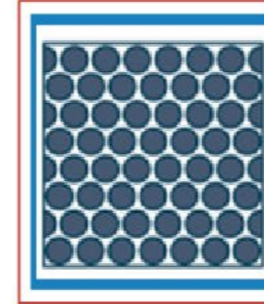


**Chemical Materials:** All chemical materials sensitive to heat, cold, and temperature changes.



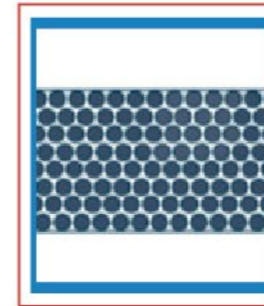
**Model Name:** 4 x 4

Dimensions : 40 cm x 500 m  
Perforating range : 25 cm  
Number of cushions : 2000



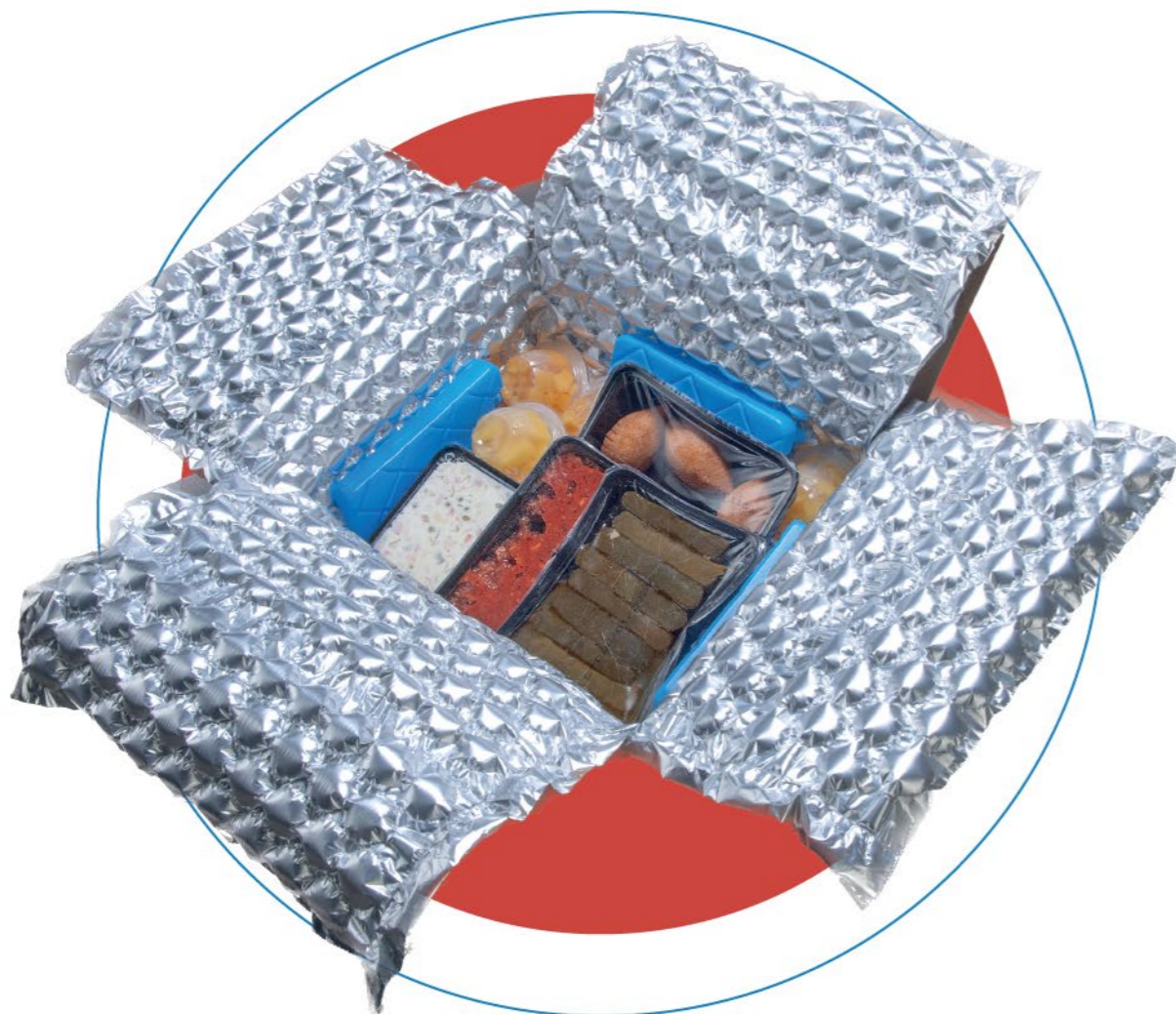
**Model Name:** 8 x 8

Dimensions : 40 cm x 500 m  
Perforating range : 15 x 30 cm  
Number of cushions : 3333/1666



**Model Name:** 18 x 8

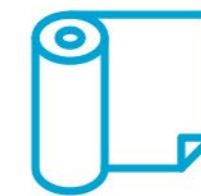
Dimensions : 80 cm x 250 m  
Perforating range : 30 cm  
Number of cushions : 833



# THINKING INSIDE THE BOX, AS WELL AS OUTSIDE THE BOX



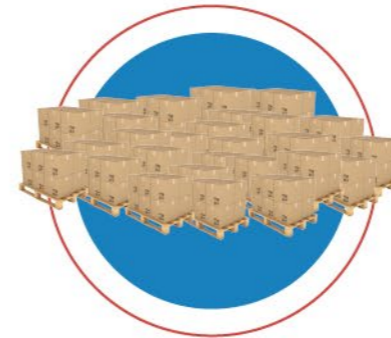
**%99  
AIR**



**%1  
WASTE**



Only one pallet of Thermo AirSafe is needed to provide insulation for 20,000 cardboard boxes.



400 pallets of conventional insulation packaging are required to insulate 20,000 cardboard boxes.

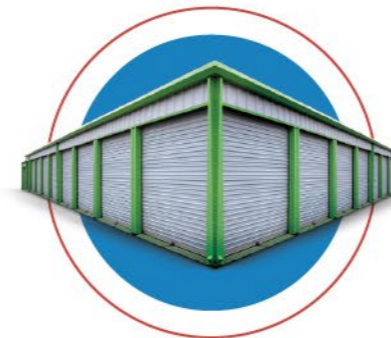
One commercial vehicle is sufficient to transport the required Thermo Airsafe for insulating 40,000 boxes.



To insulate 40,000 boxes with conventional insulation packaging, 24 trucks are required.



Thermo Airsafe has the capacity to insulate 15,000 boxes within one cubic meter of storage space.




For a one-cubic-meter volume, conventional insulation packaging can store enough to insulate 40 boxes.


%100 recyclable Thermo Airsafe minimizes waste generation by deflating after use, resulting in a 99% reduction in volume post-use.





Conventional insulation packaging produces a considerable volume of waste post-use due to retaining most of its volume.




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