



# Dry Ice

No water

No residue

Just pure cold ( $-80^{\circ}\text{C}$ )

# Main applications

- **Catering:** for refrigerating food and drink, especially for airline catering services
- **Shows and advertising:** creating special effect smoke
- **Food industry:** preserving food, shipping samples, refrigerating products
- **Rubber and plastic industry:** removing burrs through the cryogenic process
- **Metallurgy industry:** heat treatment at low temperatures, shrink fitting of components and material testing
- **Chemical and pharmaceutical industry:** low temperature reactions, preserving vaccines, serum, tissues etc.
- **Industrial cleaning:** cleaning machines, production equipment, moulds etc. by blasting with dry-ice pellets leaving no residue or abrasions
- **Refrigerated transportation:** for perishable goods, food products, chemicals, pharmaceuticals, organs and samples.

# Advantages

- High refrigeration capacity (152 Kcal/kg)
- Can be used for preserving perishable goods and even frozen products due to its low temperature ( $-80^{\circ}\text{C}$ )
- Prevents oxidation by displacing oxygen from the atmosphere surrounding the product
- Bacteriostatic agent
- Does not leave residue due to sublimation (the dry ice passes from the solid state straight to the gas phase)
- Easy to handle
- Odourless and tasteless
- Non-toxic
- Keeps products cold for a long time.



## Forms of supply

- 10mm-diameter pellets available loose and in bags
- 3mm-diameter pellets
- 250 x 210 x 125mm blocks
- 125 x 210 x 25mm slices

Depending on the required quantity, dry ice is supplied in insulated boxes or in large isothermal chests. Box and chest capacities range from capacity of between 10kg to 400kg and multiple boxes or chests can be supplied.

Dry ice can be delivered and transferred into customer own chests as part of our service.

## Use and handling

- Do not store in unventilated areas (high concentrations of CO<sub>2</sub> can cause asphyxiation)
- Dry ice must be handled using gloves to avoid cold burns
- Keep the product insulated to reduce losses through sublimation
- Keep the product out of the reach of children.

## Refrigeration qualities

Dry ice is a different concept in refrigeration with huge advantages over the use of traditional ice and provides an alternative to other refrigeration systems. Its high refrigeration capacity, the results obtained and the fact that it does not leave a residue means it can be used for numerous applications.

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