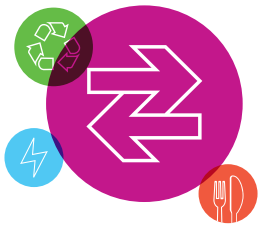
Zero Emissions Transport Refrigeration System



ENVIRONMENTAL
Zero harmful emissions during the cooling cycle.

SOCIAL
Enables sustainable deliveries in urban areas by reducing engine noise.

ECONOMIC
Reduces operational costs and may spare retailers and distribution companies from costs to comply with stricter noise and emissions regulations.

→ Thermo King's CryoTech transportation refrigeration system uses CO2 for cooling, resulting in clean, green, and silent deliveries of perishable goods.

CryoTech has developed a technology **using CO2** in an innovative open-loop system that provides airflow **for refrigeration** in the load space of trucks. The CO2 used for cooling is a byproduct of ammonia production, resulting in **no new greenhouse gas emissions**.

Thermo King CryoTech units achieve a significant reduction in emissions and improved performance over conventional diesel-powered units. The system offers **faster temperature recovery**, which is ideal for the distribution market, where the cooling unit is often interrupted as drivers deliver goods at multiple locations.

Why a Sustainia100 solution?
The system has zero harmful emissions during the cooling cycle. Depending on application, CryoTech claims that the solution can deliver a 75% to 90% reduction in total greenhouse gas emissions. CryoTech units are virtually silent during operation and significantly quieter than the standard level of 60 decibels. This ensures reductions in urban noise pollution and happy neighbors in delivery areas.

Developed in Ireland, USA

Deployed in Denmark, Finland, France, Germany, Norway, Poland, the Netherlands, Sweden, USA

"WITH MORE THAN 500 UNITS IN SERVICE TODAY, WE HAVE SUCCESSFULLY SHOWN THAT THERMO KING'S CRYOTECH SOLUTION REPRESENTS THE SUSTAINABLE TRANSPORT REFRIGERATION SYSTEM OF THE FUTURE.

PASCAL RICHARD, TRANSPORT PRODUCT LEADER, EMEIA, THERMO KING

Thermo King's CryoTech solution enables clean, green, and silent deliveries of perishable products in urban areas while maintaining the load at the highest standards.