

Highly Efficient System Based on NH3 and CO2 Refrigerants

Latest Cooling System for Logistics Center

An advanced energy-efficient logistics center free from CFC, HCFC, and HFC.

Yokorei Co., Ltd. gives consideration to the conservation of the global environment in its operation in logistics business.

Its efforts for the reduction of environmental load include the acquisition of a Green Management Certificate in all of its facilities in Japan and the change to natural refrigerants at its logistics centers.

In addition to the renewal of the cooling system, CO2 reduction technologies such as the photovoltaic system, highly efficient lighting devices, and hybrid vehicles are adopted.



Hokuko Logistics Center



NH3/CO2 refrigeration system (+05°C)



Company: Yokorei Co., Ltd.
Location: 1-1-22 Shirotzu, Hokuko, Konohana-ku, Osaka City, Japan
Scale: 27,000 cooling tons
Facility: Freezing and refrigerating logistics center
Equipment: -25°C freezing system
+ 05°C refrigeration system
positive pressure ventilation system, etc.



Warehouse Temperature (-25°C)



Photovoltaic System

- «Energy-saving»
- Energy consumption reduction (converted in electricity)
570,000 kWh/year
- «CO2 emission reduction»
- CO2 emission reduction (energy-source CO2)
413.3 tCO2/year (0.555 kgCO2/kWh in electricity)