

REFRIGERATION SOLUTIONS

CFX Environmentally Friendly Coolers

October 1, 2009



CFX Glass Door Coolers

Our new line of CFX glass door coolers were designed with the environment in mind. Including a state of the art energy efficient cooling system, and production with sustainable materials and processes, we are always looking to the future.

- More than 10 sizes available in 1, 2, and 3 door models.
- Two new Slim Line models take up minimal floor space while maximizing product capacity.



Energy Saving Options

- **I-TEC Smart Temperature Control**
 - Saves energy during steady hours
 - Helps detect failures through the use of alarms and provides detailed reports
 - Protects the units main components to increase its life and durability
 - Reduces preventative and corrective maintenance costs
- **LED Lighting**
 - Does not generate heat which benefits the refrigeration system
 - 100,000 hour life (compared to 9,000 with T-12 or 20,000 T-8 fluorescent)
 - Low energy consumption (90% less than T-8 fluorescent)
 - Compact illumination system
- **ECM Motor**
 - Capable of handling 2 speeds, with reverse option available
 - Average 12 watt consumption compared to 47 watt with standard system
 - 65% efficiency vs conventional motor
 - Low heat generation during operation
- **Low Maintenance Condenser**
 - Wide fin condenser is self cleaning and allows for efficient operation of refrigeration system
- **Variable Speed Compressor**
 - Variable speed compressors run more efficiently in demanding locations where the environment constantly changes. This helps to achieve a 35% reduction in overall energy use.

Sustainable Features

- **R-134a Refrigerant**
 - R 134a gas is widely used as a refrigerant in coolers. It does not exhibit glide and therefore presents no unusual application or service restrictions. Its low operating pressures make it particularly suitable for use in high ambient air cooled applications. R 134^a gas has good thermo physical properties and favorable heat transfer characteristics that do not damage the ozone layer.
- **CFC Free Cyclopentane Insulation**
 - Minimizing high-energy costs by keeping products at low temperatures means it is essential to use an eco-friendly insulation material that uses the lowest possible value of thermal conductivity. We have addressed this concern through its use of Cyclopentane as a blowing agent in refrigeration equipment.
 - By injecting our cabinets with Cyclopentane gas, we guarantee efficient energy use in our units, making environmental conservation a key concern for our future development.
 - In an effort to comply with new energy regulations, the Research and Development department at Criotec strives to constantly provide the best option for refrigeration equipment in its field..

Visit us in NACS Booth 1449

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