

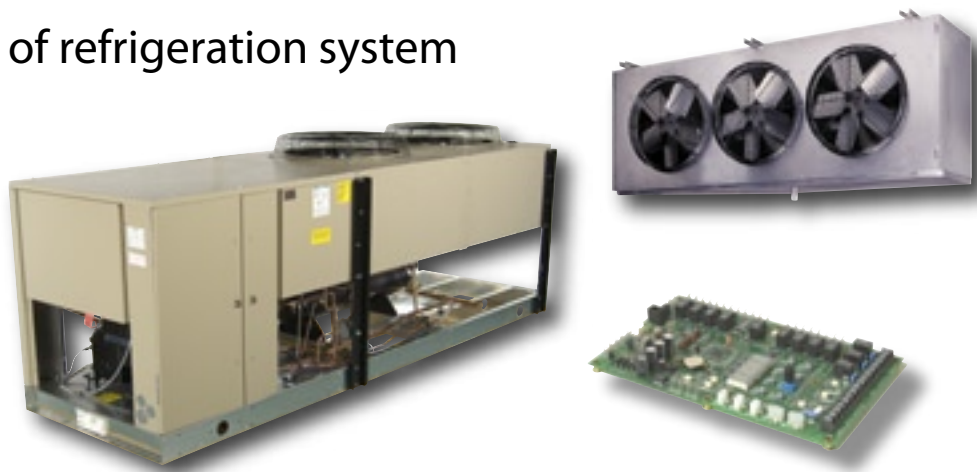
# Introducing a New Generation in Hot Gas Defrost Refrigeration Systems with Today's Technology

**Fast.** Five to ten minute defrost times in most applications.

**Dependable.** Highest level of product integrity through more stable box temperatures, reduced required maintenance and system adjustments.

**Smart.** New defrost controller and electronic pressure regulator optimizes defrost cycle.

The hot gas defrost line is a new generation of refrigeration system that utilizes hot gas to greatly reduce defrost times and operates in all outdoor ambient temperatures. This leads to increased energy efficiency and product integrity in a refrigeration system that can be used in a greater variety of environmental conditions. This system utilizes a state-of-the-art electronic controller with a proprietary control scheme that allows the system to operate at its most optimal level.



- Completely manages timing and sequence of defrost
- Point to point wiring
- Automatically compensates for changes in outdoor temperatures
- Quick and easy troubleshooting
- Monitors all pressures, temperatures, and setpoints in real time.
- Easily programmable through a menu driven interface
- The control board with conformal coating will handle the toughest conditions
- LED indicators on the board clearly show system status
- Remote alarm notification
- Design does not require a thermal storage tank that requires maintenance and could potentially freeze or leak.
- Significant energy savings over electric defrost systems

Available March, 2006. Contact your Sales Representative for more information.

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## Condensing Unit



### Features:

- Integral Condenser Sub-cooling Circuit in condenser for added capacity and vapor free liquid.
- Floating Tube™ Condenser Design
- New Electronic Defrost Controller
- Pressure or Ambient Fan Cycling for Head Pressure Control
- Electronic Pressure Regulator for Defrost Control
- Anti-Short Cycling Protection
- High Pressure and Low Pressure Controls
- Oil Pressure Safety Control
- Easily accessible control box

High efficiency Copeland Discus compressors with POE oil  
Thermally protected permanently lubricated ball bearing condenser fan motor(s).  
Receivers are sized for sufficient pump-down capacity with inlet and outlet service valves  
Cabinet is constructed from pre-painted galvanized steel.  
Separate sub-cooling circuit.  
Replaceable Liquid Line Filter Drier  
Replaceable Core Suction Filter

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## Evaporators

All components are factory installed and wired  
Single point power supply  
4 and 6 fpi Medium and Large Unit Coolers

### Features:

- Mounted TXV and Distributor Nozzle
- Mounted Check Valves
- Mounted Liquid Line Solenoid
- Suction "P" Trap
- Mounted Hot Gas Drain Loop or Electric Drain Pan Heater (optional)
- Mounted and wired control contactors

