

Improved refrigeration operation for Price Chopper grocery stores

Food Retail

Result

- Integrated compressor and electronics in order to provide a simpler, more reliable rack
- Consolidated traditional accessories into one electronic package
- Reduced maintenance costs
- Increased compressor reliability, leading to increased refrigeration system uptime
- Simplified compressor troubleshooting, reducing the time required to maintenance system
- Enabled better facility management
- Provided clear information to improve decision

Application

Parallel rack supermarket refrigeration systems.

Customer

Price Chopper Grocery Stores, a part of Golub Corporation, prides itself on innovation and has made substantial investments to incorporate various green and energy-saving initiatives throughout its stores.

Challenge

Price Chopper wanted to improve its refrigeration systems with hardware that was easier to commission, was less expensive to maintain, reduced downtime and had fewer refrigerant leak points.



“Copeland Discus Digital™ compressors with CoreSense™ Diagnostics do most of the thinking for you. The diagnostics on the compressor inform you of system problems, so that you can do predictive maintenance and avoid failures.”

Benny Smith,
VP of Facilities for Price Chopper



EMERSON
Climate Technologies

Traditional parallel racks systems separate the compressors from the electronics, leading to many electronic components and making it complicated to troubleshoot. Traditional systems do not provide the operator all of the information they need to optimize their facility.

Solution

Price Chopper installed the Copeland Discus Digital™ compressor with CoreSense™ Diagnostics which they describe “as more than a refrigeration compressor with onboard diagnostics that provides real-time intelligence that tells technicians exactly what they need to know.”

Put in context of an entire store, there is a “single view into the entire network of facilities.” The package includes control and monitoring of a store’s HVACR, lighting, and other systems.

The Copeland Discus Digital™ compressor with CoreSense™ Diagnostics offers features that allow customers to experience fewer compressor failures, thereby saving cost, reducing equipment downtime, and avoiding food spoilage. By integrating several traditional components into one control module, the Copeland Discus Digital™ compressor with CoreSense™ Diagnostics requires less wiring and fewer connection points, improving system quality and ensuring installation ease and consistency.

Copeland Discus Digital™ featuring CoreSense™ Diagnostics enables consistent installations and cost savings, with fewer components, less wiring and a smaller number of connection points, so installation is simple and fast. With this breakthrough technology, you can centralize compressor-monitoring operations, allowing technicians to troubleshoot compressor problems before traveling to the site. And you can even dispatch technicians automatically if there’s an alarm problem.

Resources

Learn more about the Copeland Discus Digital™ compressor with CoreSense™ Diagnostics at:
www.emersonclimate.com/intelligentstore



Benefits	Feature	Advantage
Guarantees consistent installations and cost savings	Integrated system electronic	Guarantees consistent installations and cost savings
Reduce food Spoilage	Greater compressor reliability	Greater refrigeration uptime
Cuts maintenance cost	Status display with fault history	Enables faster diagnostics
Reduced environmental impact	Fewer components and things	Reduced refrigerants leak points
Minor concerns do not become major problems	On board diagnostics and communications	Provides real-time remote intelligence for technicians

EmersonClimate.com

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