

Door Retrofit Program



Save Energy and Increase Profits with Source's T

Are lower energy costs, improved food safety, product integrity, reduced shrinkage and enhanced customer comfort important to your store? If so, you should consider a Door Retrofit Program for your open, multi-deck refrigerated cases. In addition, replacing your older case doors with the newest models will dramatically increase your energy savings and customer appeal. Let Source be your partner in helping you realize significant energy savings while enhancing the shopping experience for your customers with our Door Retrofit Program.

What is a Door Retrofit Program?

The Source Door Retrofit Program involves enclosing your multi-deck cases with retrofit glass doors and, when required, replacing older doors with current technology doors. As a full-service refrigeration and HVAC company focused on providing solutions that help your bottom line, we perform our complete turnkey Door Retrofit Program on virtually any major case manufacturers' equipment using most major door manufacturers' products.

What are the Benefits?

Refrigeration makes up more than half of the energy used in a grocery store and open, multi-deck fixtures account for a large portion of the total. Therefore, through door retrofits, you have the opportunity to significantly lower the operating cost of your store. In fact, it is possible to reduce energy use by more than 50 percent by retrofitting your open, multi-deck cases.

Additional financial benefits include:

- **Product integrity** – With enclosed doors, merchandise is no longer subjected to the drastic temperature variations of open fixtures. This results a longer product shelf life. In addition, it has been shown that customers understand that safety and integrity of products encased behind glass doors is higher. Most importantly, enclosed doors help ensure that the FDA's mandated 41 °F is maintained consistently.

- **Improved Shopper Experience** – Encased refrigerated cases mean that aisles are much more comfortable. Customers are inclined to spend more time perusing merchandise and purchasing more products.
- **Products are “showcased”** – LED lighting (available on most new doors) presents your merchandise in an enhanced, brighter, cleaner and more visible way. Improved sales have been known to follow.
- **Reduced maintenance expense** – LED lighting lasts five times longer and is up to 50 percent more energy efficient than traditional fluorescent tubes.
- **Utilities are on board** – Many utility companies recognize that retrofits are “prescriptive” measures. In other words, you do the work; they give you a rebate. The cost to install new or retrofit doors can be significantly offset by utility incentives, which can dramatically improve your ROI.
- **Reduced refrigerant charge** – Once doors are installed, significantly lower BTU's are being moved, less refrigerant is required for the reduced load, and less system charge helps meet corporate carbon footprint and leak-reduction initiatives.
- **Equipment capacity for future use** – Case BTU loads are reduced up to 70 percent. This frees up refrigeration system capacity for future expansion and/or helps marginal systems sustain for a period of time.
- **Perception of a store remodel** – Many shoppers comment that the new doors create the impression that the store has been remodeled. This positive perception has been shown to increase sales.

Open multi-deck case



Turnkey Door Retrofit Program

Why Select Source for Your Door Retrofit Program?

Source Refrigeration & HVAC is a full-service provider of design, installation, service and system optimization. Having a single point of contact for all phases of a Door Retrofit Program ensures that all communication comes from a single voice so that details needed for a successful project are handled properly and consistently. From the initial idea to the optimization of your upgraded system, having Source on your team translates to success.

In addition, we are a nationwide company that can manage multi-site retrofit programs over large geographies. We also understand the importance of system uptime, and will coordinate with store management to perform the job with minimal impact to store operations.

Source Door Retrofit Program

The comprehensive Source Door Retrofit Program includes the following steps:

Store survey

- Determine exact case sizes, models, age, etc.
- Provide photo documentation of all affected cases.
- Identify and report any other problems that need to be addressed during the retrofit.
- Document pertinent information relating to the existing compressor systems that will be affected by the modifications.



Enclosed multi-deck case

Engineering

- Analyze the existing compressor system with reduced loads. Recommend modifications and define the scope of work.
- Provide a refrigeration floor plan with modifications, component changes, piping changes, etc.
- Recommend additional modifications that benefit energy improvement, maintenance cost avoidance and system control capability.

Installation

- Dedicated crews versed in all necessary aspects of the project execute the door retrofit installation with a well-planned approach that is coordinated with store operations.
- Installation includes the disposal of existing lighting; modification of piping, valves and components; electrical for new doors; and machine-room modifications related to load reduction.

Optimization

- Adjustment and fine tuning of the system after door installation and required modifications.
- Provide QA reporting, documenting the state of the system once complete.
- Utility coordination with respect to ensuring the system is operating as required for utility incentives.

The Source team has the training, experience and dedication to ensure your organization receives the most technically advanced services available and realizes the greatest cost savings.

Please contact us today for more information on our Door Retrofit Program.

Headquartered in Anaheim, Calif., Source Refrigeration & HVAC is the market leader in the design, installation, start-up, maintenance and optimization of mission-critical refrigeration and HVAC systems. With service locations throughout the United States, we have over 1,000 employees serving the daily needs of more than 2,500 customers. We are proud to enjoy relationships with many of today's leading grocery retailers and many other industry leading companies. Our significant investment in employee training and development ensures that our employees have deep industry knowledge and strong technical skills. It is this highly skilled team that enables us to provide the right technical resources to solve our customers' specific challenges – the first time. Our goal is to lower the Total Cost of Ownership of our customers' mission-critical refrigeration and HVAC systems.



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SUMMARY OF SERVICES:

ENGINEERING

- Refrigeration, HVAC and Dehumidification System Design
- Objective Design Review
- EMS design
- Refrigerant Conversion Program
- Energy Modeling
- Store Surveys (pre-remodel or expansion)
- Energy Compliance
- Energy Design Review

INSTALLATION

- New Construction of Refrigeration, HVAC, Dehumidification and EMS Systems
- Remodels of Refrigeration, HVAC, Dehumidification and EMS Systems
- Right Start™ start-up Program
- Refrigerant Conversion Program

SERVICE

- Service Maintenance Agreements
- Time & Material repairs and maintenance
- Preventative Maintenance Programs
- Leak Detection
- Asset/Equipment Tagging

ENERGY OPTIMIZATION

- Retro-commissioning – optimization of existing EMS
- Retrofits – installation and optimization of EMS
- Variable Frequency Drive (VFD) Installations
- Problem / High-cost System Solutions
- New store commissioning

TRAINING

- Custom technical training programs available