

DRY COMFORT

dehumidification solutions



▶ End Comfort & Condensation Issues In Supermarkets

At last, a simple and innovative answer to high humidity in food store environments

High humidity is a common problem in food stores. It can create issues including condensation on refrigeration case doors and deli counters, frost build-up on product, and shopper discomfort from cool, damp air.

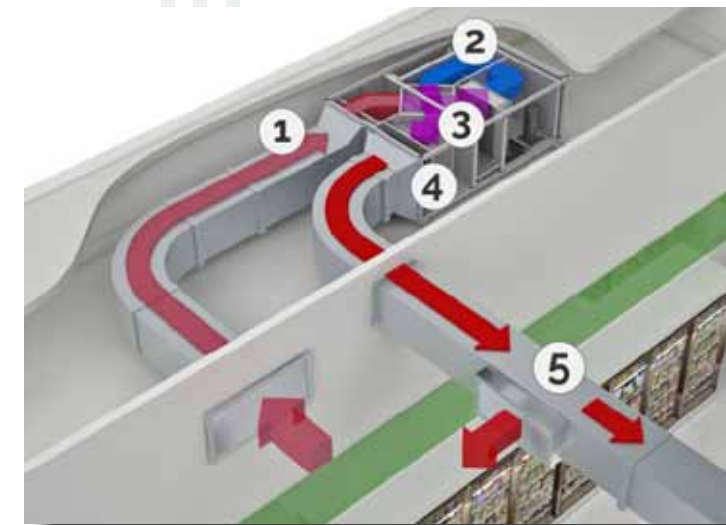
Using their unique expertise in HVAC and supermarket applications, Q4 Energy Solutions has developed a simple and cost-effective answer. The DryComfort unit removes excess humidity from the store environment and supplies warmer, drier air into the cold aisle. It offers distinct advantages in energy efficiency and ease of installation over other products.



- ▶ Improved Comfort in Cold Aisles
- ▶ Maintains Required Dewpoints
- ▶ Suitable for New Construction and Retrofit
- ▶ Easy Installation
- ▶ Mounts in the Space Or on the Roof
- ▶ Light in Weight, No Steel Work Necessary

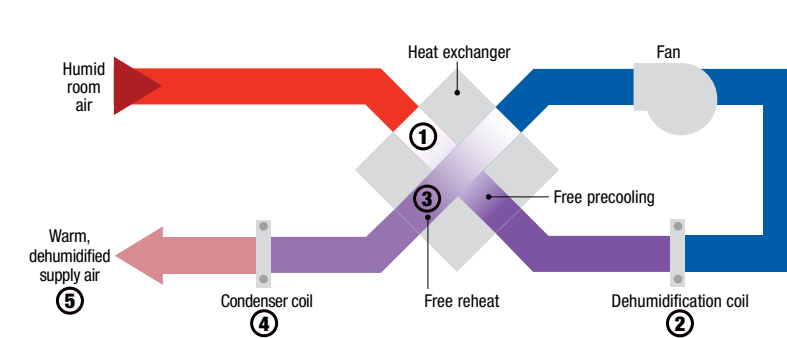
The DryComfort unit's integral heat exchanger efficiently returns warm, dry air to the space using 30% less cooling capacity than units without energy recovery.

How DryComfort Works



① The DryComfort unit draws warm, humid room air into the heat exchanger, transferring sensible heat to the heat exchanger. Cooled, moist air moves to the dehumidification coil.

- ③ Air passes through the heat exchanger where it is warmed by the previously captured sensible heat.
- ④ Air passes through the condenser coil for additional sensible heating.
- ⑤ Warm, dehumidified air enters the space.



DryComfort units successfully maintain the desired <math><50^{\circ}\text{F}</math> dew point in stores of a major food chain.

Together We Can Create An Environment for Success



In both football and business, the fourth quarter is often when strong execution and the right teammates are crucial to success. Consider Q4 Energy Solutions as your partner for success in supermarket, grocery, and C-store mechanical systems including HVAC, controls, and refrigeration. Whether you are a decision-maker in design, construction, operations, or retrofit of stores, Q4 understands the competitive and environmental challenges you face.

The conventional approach is to design and procure mechanical systems as standalone elements. Unfortunately, this masks the sometimes complex interrelationship of these systems, leading to all too common issues such as shopper discomfort, high humidity, unwanted condensation, and energy waste. Supermarket mechanical system pros know that it is nearly impossible to get comfort and dehumidification right if a store's closed and open refrigeration cases are not working in complete concert with HVAC and controls.



Q4 challenges the silo approach with a more comprehensive perspective on systems, which cuts through complexity. Offering a range of services and products such as DryComfort, we deliver value through creative, custom, integrated solutions backed by a proven track record. Whether it's your firm's first, second, third, or fourth quarter, Q4 has the expertise to create an environment for success in your stores.



Q4 was founded in 2008 by Scott Beckett, in Columbus, Ohio. Beckett is at the core of Q4, bringing decades of experience cultivating trusted industry relationships and serving the needs of national and global accounts.

Contact Us Today for a No Cost, No Obligation Analysis



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