

Refrigeration Innovation



We believe owning a refrigerated display case **shouldn't be hard work.**

Our foundation of unprecedented expertise in self-contained refrigeration has allowed us to pioneer award-winning technology that sets the standard for reliable products with unmatched ease of operation and strong performance. We engineer purpose-built solutions for performance that brings peace of mind that your display is performing as intended and will be quick to maintain/service when needed.

Energy Efficient and Less Global Warming Impact

The R290 condensing unit with variable speed compressor smartly optimizes energy consumption by managing compressor on and off cycles. The on board condensate pan provides a completely self-contained solution that is fully operational once the unit is plugged in.



Breeze Slide-Out Operator-Friendly Refrigeration

Every Structural Concepts self-contained refrigerated display case features a Breeze slide-out refrigeration system. Breeze is an easier-to-maintain, slide-out refrigeration system that's designed with a variable speed compressor, smart microprocessor, and an oversized condenser coil to ensure a longer life for the refrigeration system and stronger overall performance.

There are two Breeze refrigeration systems: Breeze (**NSF type I**) and Breeze-E (**NSF type II**) that offer rugged reliability, unmatched ease of service, and superior temperature consistency.

BREEZE

Breeze for Type I: Cases operating in environments that don't exceed 75° F and 55% relative humidity. At minimum, all display cases must pass these criteria.

BREEZE-E

Breeze-E for Type II: Cases operating in environments that don't exceed 80° F and 55% relative humidity.

With on-site food preparation and energy management systems in place, many foodservice locations operate in conditions closer to a Type II environment than Type I.

Breeze-E refrigeration has the same excellent features of Breeze with the additional benefit of holding product-safe temperatures in warmer, more humid operating environments.

Breeze and Breeze-E Systems Features



Slide-Out Refrigeration

The first system designed to slide-out, making it quick and easy to maintain. Components can be easily reached for cleaning or adjustment, tools free.



Hot Gas Condensate Pan

Runs hot gas from the compressor through pan tubes to burn off defrost water without using electricity. By far the single largest contributor to the daily energy savings.



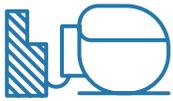
Variable Speed Compressor

The added inverter adjusts the compressor motor speed to match the required cooling output. Once the desired temperature is reached, the inverter slows down the compressor to save energy while maintaining proper temperatures.

We Focus Energy on the Right Things

The design of Breeze is made up of energy-efficient components, a unique compressor and evaporator pan designs that reduce the energy consumption needed to refrigerate grab & go air screen cases. Don't compromise potential impulse sales by adding doors to your open front display cases to reduce energy consumption. With Breeze you get the best of both worlds – increased sales and reduced operating costs.

Single and Multi-Circuit systems using less than 150g of R290



VARIABLE SPEED

+



EFFICIENCY

+



MODULARITY

+



FUTURE PROOF

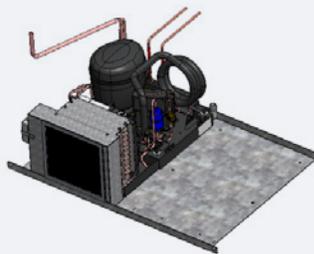
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LOW CHARGE

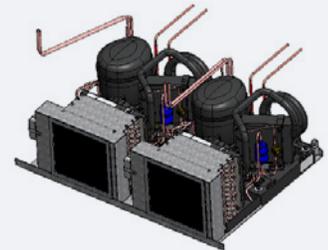
Single Circuit Modular System

28% average reduction of energy consumption



Dual Circuit Modular System

9% average reduction of energy consumption



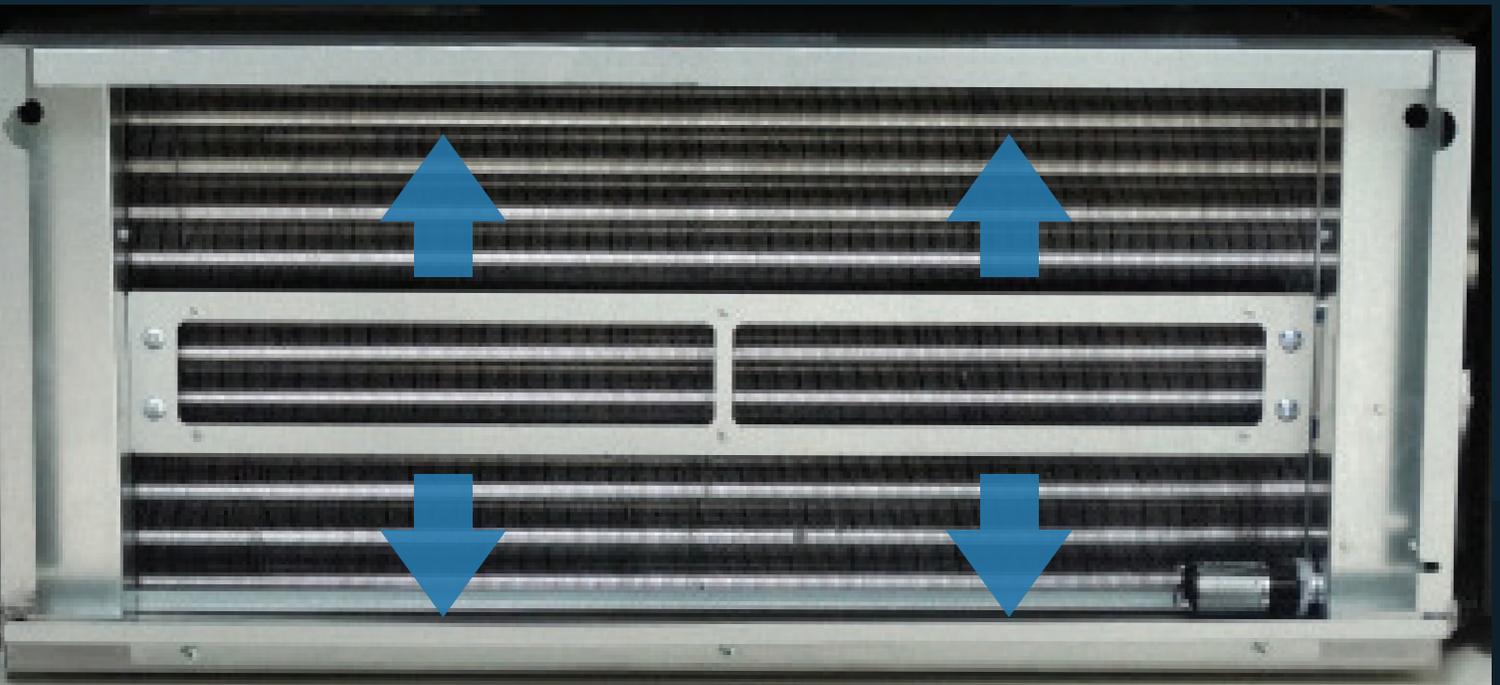
Structural Concepts, in partnership with NIDEC, has innovated single and multi-circuit refrigeration systems that are future-proof and emphasize efficiency for daily energy savings.

We are conducting a full product line conversion from Hydrofluoroolefins (HFO's) to low charge R290 variable speed technology; Single and multi-circuit systems using less than 150g of R290.

The R290 condensing unit with variable speed compressor smartly optimizes energy consumption by managing compressor on and off cycles. The onboard condensate pan provides a completely self-contained solution that is fully operational once the unit is plugged in.

Clean Sweep® for Operational Ease

Clean Sweep® is an electronically controlled brush mechanism that automatically cleans dust and debris from the condenser coil daily. The brush assembly cycles every 24 hours, so dust does not collect and build-up on the coil fins, which reduces airflow and in turn forces the compressor to work harder to control critical temperatures. Clean Sweep® strengthens refrigeration performance by ensuring proper ventilation through the coil and provides added peace of mind that the display is maintaining safe product temperatures.



Clean Sweep® is an available option that helps prevent costly breakdowns. Our exclusive, award-winning technology solves the problem of dirty, clogged condenser coils that restrict airflow and make the refrigeration system work harder and consume more electricity to maintain proper temperature. Clean Sweep® easily pays for itself with the savings from the cost of one or two service calls.



LEARN MORE

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Structural Concepts®

DELIVERING FRESH. ALWAYS.™