

Hussmann Launches New Protocol® CO₂ Unit Next Innovation in Evolve Technologies Portfolio

BRIDGETON, MO (USA), June 4, 2025 – Hussmann, a Panasonic company, has further expanded its refrigeration systems offering with the [Protocol® CO₂](#)—the newest innovation in its Evolve Technologies Portfolio.

Hussmann introduced its first Protocol model in 1993, aligning with the Montreal Protocol—a global agreement to protect the ozone layer by phasing out the production and consumption of ozone-depleting substances. The Protocol CO₂ is the newest model in the Protocol® family, which is known for its revolutionary, compact design that reduces refrigerant charge. The Protocol CO₂ will continue to deliver the same efficiency and energy standards that the Protocol is known for—with the use of a natural refrigerant.

Energy Efficiency

The Protocol CO₂ integrates a new medium temperature compressor with direct vapor injection and features a variable speed scroll technology for capacity modulation and greater energy efficiency. In addition to the unique compressor features, the Protocol CO₂ will also incorporate an economizer to reduce gas cooler return temperatures to further improve efficiency.

Compact Design

Designed for indoor applications including the back room, the Protocol CO₂ is available in many pre-engineered capacities for medium and split temp applications to fit into the most compact package possible. For CO₂, the flash tank assembly is integrated below the compressor section of the unit. This innovation greatly improves the serviceability of the electrical and mechanical components.

Low GWP Refrigerant

Part of Hussmann's Evolve Technologies portfolio, the Protocol CO₂ operates with a natural refrigerant R-744 (which is the refrigerant grade title for CO₂). R-744/CO₂ has a global warming potential (GWP) of 1 and an ozone depletion potential (ODP) of 0 — providing an ideal refrigeration solution for store remodel programs with the lowest possible environmental impact.

Learn more about the new [Protocol CO₂ from Hussmann](#).

About Hussmann

For more than 100 years, Hussmann Corporation has been a leader in providing

Hussmann Corporation
12999 St. Charles Rock Road
Bridgeton, MO 63044
Media contact: kristin.elsner@hussmann.com
www.hussmann.com

innovative products, services and refrigeration systems for grocers and convenience stores. Hussmann, a subsidiary of Panasonic, promises to continuously provide the most customer-focused solutions in the food retailing industry. From display cases for supermarkets to entire refrigeration systems and innovative technologies including Aperion and StoreConnect, Hussmann continues to drive innovation in food retailing. Customers look to Hussmann as a strategic trusted partner to navigate the complex and ever-changing regulatory requirements with smarter, energy efficient, low-GWP refrigeration solutions—reducing their energy consumption and carbon emissions. For more information about Hussmann, please visit www.hussmann.com.

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