

Experience Emerson's best-in-class solutions at Chillventa 2018

AACHEN (GERMANY), September 11, 2018 – During this edition of Chillventa, Emerson (NYSE: EMR) will exhibit the latest solutions to safeguard food across the cold chain and ensure human comfort in residential and commercial spaces. From 16 to 18 October, Emerson will focus on technologies and tools that maximize efficiency and drive profitability.

Navigating the way to future-proof solutions

Tough regulations such as F-Gas, EcoDesign or HACCP standards mandate changes for minimizing the environmental impact. Equipment manufacturers face competitive pressure and time-to-market constraints when adapting and future-proofing their systems, from choosing the best refrigerant fit to selecting the most suitable system architecture. At the same time, end-users request higher efficiency levels and lower operational costs.

Considering all these challenges, Emerson is one step ahead and will present a complete line-up of innovative solutions for refrigeration and comfort applications: developed for a variety of refrigerants, these solutions will support customers to identify the truly sustainable alternative for their system, whether they opt for natural refrigerants, such as CO₂ (R744), Propane (R290) or Ammonia (NH₃) or for alternatives like HFO blends / A2L refrigerants.

Safeguarding food across the cold chain

At Chillventa, Emerson will highlight its full range of solutions across the cold chain. From Copeland[™] Scroll and Stream refrigeration compressors equipped with Alco Controls[™] valves, Emerson and Dixell[™] electronics over ProAct[™] Enterprise Services - including controls and monitoring systems for food service and retail - to cargo and transportation solutions, visitors will be able to discover how food can be protected through Emerson technologies. Cooper Atkins[®] - recently acquired by Emerson and introduced at Chillventa – will enrich the cold chain offering with its product portfolio covering temperature management, environmental measurement devices and wireless monitoring solutions.

Emerson's commercial refrigeration offering focuses on solutions tailored to all store formats, including centralized, de-centralized and integral display case architectures.

For integral display cases, Emerson will present a new R290 solution with its horizontal variable speed scroll compressor for single-circuit applications up to 500g refrigerant charge. This range extends the current solution offering of the vertical fixed speed compressors for multi-circuit applications. Both options are equipped with mechanical and electronic controllers to offer a complete solution.

For centralized refrigeration systems a CO₂ solution integrating a Stream semi-hermetic compressor with on-board compressor electronics, completed by flow controls and electronic controllers, will be exhibited. Designed for CO₂ cascade and booster systems this solution enriches the operational performance, safety and increases the system uptime.

During the fair Emerson will introduce the next generation of CoreSense[™] technology for Copeland[™] Stream compressors. It features a modular and scalable design with state-of-the-art electronics housed in a single terminal box. Serving multiple applications, like refrigeration racks and units for food retail and service, CoreSense[™] offers new features, which will enable customers to benefit from reduced warranty costs and longer equipment lifetime.

For de-centralized architectures, Emerson will present two solutions: the proven CO₂ refrigeration unit with Stream compressor technology as well as the newly launched large outdoor refrigeration unit released for standard as well as low GWP refrigerants. With its modular platform approach this unit offers a high level of product customization, making it the ideal choice for food retail applications in stores with a size up to 2000 sqm. For smaller formats such as restaurants, cold rooms and catering applications, Emerson will show the new ZX refrigeration unit for medium- and low-temperature applications.

In addition, Emerson will launch its line-up of small scroll compressors for A2L refrigerants for small rack and refrigeration unit applications.

In the industrial refrigeration segment, Emerson will introduce the new Vilter 550 series of reciprocating compressors for CO₂. For ammonia (NH₃), the new Vilter screw compressor solutions will be presented - developed for industrial cooling applications like cold storage warehouses. Their functionalities provide customers lower lifecycle costs and higher reliability.

Ensuring human comfort in commercial and residential spaces

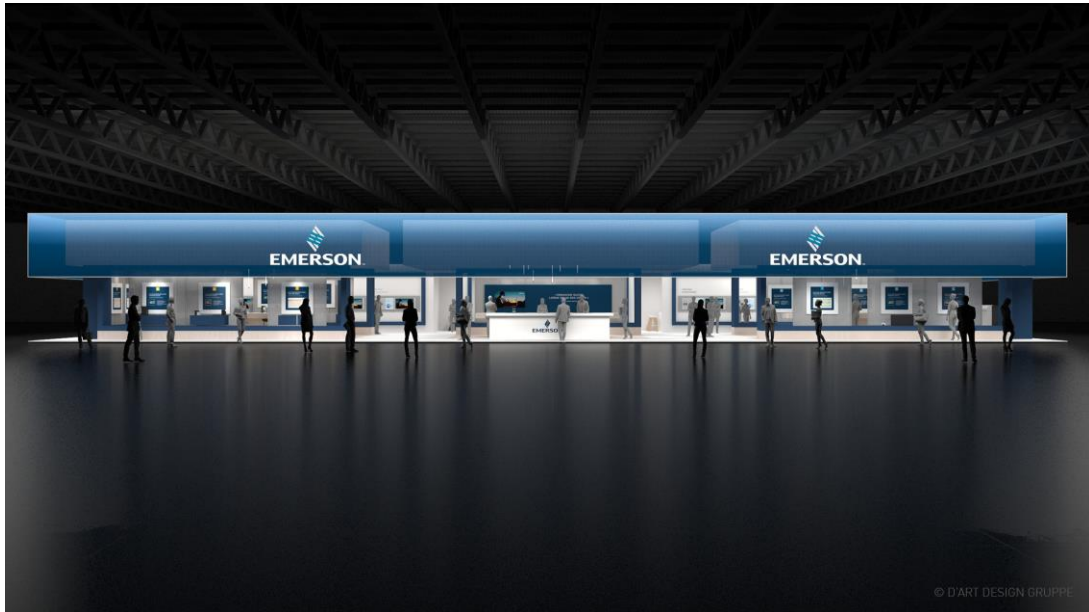
To support OEMs facing the F-gas phase-down, Emerson has developed solutions for residential heating with low GWP refrigerants such as R290, R454B, R452B and R454C.

Whether for ground- or air-source heat pumps, these integrated solutions enable increased system efficiency and reliability for enhanced comfort in residential homes.

For commercial applications, Emerson will present a solution with R513A / R450A (low pressure refrigerant) and R454C (mid pressure refrigerant) for process cooling, as well as options for chillers with R32: on the one hand a range of fixed speed compressors that reaches the same operating map as existing R410A compressors, on the other hand an integrated solution with variable speed technology. This Emerson solution not only uses a low GWP refrigerant, but it is also comprised of the latest generation of Copeland Scroll[™] variable speed compressors with qualified inverter drives, valves and controllers for intelligent control management.

With this solution, the development time of reversible chiller systems will be shortened, and their efficiency increased.

To discover more about these solutions and the extended Emerson offering, visit us at Chillventa, from 16 to 18 of October, in Hall 6, Booth 318/416.



Emerson Booth at Chillventa 2018

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About Emerson

Emerson (NYSE: EMR), headquartered in St. Louis, Missouri (USA), is a global technology and engineering company providing innovative solutions for customers in industrial, commercial, and residential markets. Our Emerson Automation Solutions business helps process, hybrid, and discrete manufacturers maximize production, protect personnel and the environment while optimizing their energy and operating costs. Our Emerson Commercial and Residential Solutions business helps ensure human comfort and health, protect food quality and safety, advance energy efficiency, and create sustainable infrastructure. For more information visit www.Emerson.com/en-gb

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