

## **Emerson to showcase advanced low GWP solutions at Chillventa 2022**

**AACHEN (GERMANY), September 15, 2022** – Emerson (NYSE: EMR) will showcase its latest technologies for the use of low GWP refrigerants in commercial refrigeration and residential heating at Chillventa 2022 in Nuremberg, Germany. From 11 to 13 October, Emerson will present solutions and products that combine high levels of sustainability and efficiency with utmost reliability and future-proofness.

### **Innovative technology to overcome today's and tomorrow's challenges**

The refrigeration industry is currently facing numerous challenges. Regulations require the use of refrigerants with lower Global Warming Potential to limit their impact on climate change. At the same time, Europe is experiencing record heat waves that are pushing cooling technology to its limits. In addition, growing competitive pressure requires end users to maximize efficiency and reduce operating costs. Original equipment manufacturers, on the other hand, are compelled to develop future-proof systems based on different refrigerants and bring them to market as quickly as possible.

To meet these demands, Emerson offers a complete range of innovative refrigeration solutions released for natural refrigerants CO<sub>2</sub> (R744) and Propane (R290) and for low GWP A2L alternatives. The commercial refrigeration portfolio on display at Chillventa is tailored to different store formats and includes solutions for centralized and decentralized architectures as well as integral display case architectures.

### **Sustainability and efficiency ensured for all architectures**

For centralized refrigeration, Emerson will exhibit its Copeland<sup>™</sup> scroll solution for transcritical CO<sub>2</sub> refrigeration systems – introduced to the European market lately. Equipped with a scroll compressor featuring innovative dynamic vapor injection technology (DVI) for flash gas management, the need for parallel compression is eliminated. This results in a drastically reduced system complexity and enables one system design for all climate zones. Original equipment manufacturers, installers and retailers alike benefit from booster systems equipped with this technology.

These advantages of the new CO<sub>2</sub> scroll technology will also be available for decentralized architectures. At Chillventa 2022, Emerson will highlight the first refrigeration unit based on this groundbreaking technology that will be launched in the near future to the European market only. Featuring a modular design with separable gas cooler, a smart control concept with pre-configured parameters and an easy-to-access electrical box, it enables fast, plug-and-play commissioning and facilitates maintenance.

To provide customers with the greatest possible choice for their application needs, Emerson will also exhibit its solutions for integral display cases using the natural refrigerant R290. Emerson's solutions for A2L refrigerants complete the sustainable refrigeration offering for multiple food retail and service applications.

By supporting CO<sub>2</sub>, R290, and A2L with leading-edge technology, Emerson ensures customers have a variety of options when transitioning to sustainable refrigerants.

### **Connectivity for future-proof refrigeration**

Emerson will also present its portfolio of controls and electronics. From mechanical valves over programmable controller to enterprise services, Emerson offers stand-alone and solution integrated components and services enabling for highly efficient and reliable refrigeration.

### **Sophisticated low sound scroll compressors for heat pumps**

In addition, Emerson will unveil a new range of Copeland low sound scroll compressors for decarbonized heating. With the EU committed to phasing out fossil fuels in heating, air-to-water heat pumps will take over the market. While about 75% of Europeans live in urban areas, sound will play a key role for future market success. With its world first range of four low sound scroll compressors for heat pumps Emerson offers all market participants best prerequisites to succeed in this environment: future-proof technology, best-in-class efficiency (A++ performance at 55°C reference temperature) and only half the sound pressure of standard compressors (-10 dB(A) at full capacity).

### **Emerson expert talks at Chillventa**

Emerson experts will provide detailed insights into the new technologies and solutions in the Chillventa forum, at the Emerson booth and via video streaming from the booth on its webpage. This allows for up-to-date information and on-demand communication for both Chillventa visitors and those unable to attend the trade fair.

Visit us in hall 6/324 or on our website at [climate.emerson.com/chillventa-2022](https://climate.emerson.com/chillventa-2022)



*Emerson booth at Chillventa 2022*

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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 Automation Solutions business helps process, hybrid and discrete manufacturers maximize production, protect personnel and the environment while optimizing their energy and operating costs. Our 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 [Emerson.com](https://emerson.com) or [Climate.emerson.com](https://climate.emerson.com).

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