

New Expanded Portfolio Of Semi-Hermetic Compressors For Medium And Low Temperature R744 Applications

AACHEN (GERMANY), October 15, 2014 – Emerson Climate Technologies, a business of Emerson (NYSE: EMR) launches its expanded range of semi-hermetic compressors for R744 applications with three new medium temperature and three new low temperature models at Chillventa in Nuremberg. With six medium temperature models, the expanded Stream 4MTL range provides refrigeration capacities between 9 kW and 37 kW in R744 transcritical applications. The newly launched Stream 4MSL range addresses low temperature applications that operate on R744 subcritical. Six models cover low temperature capacities from 7 kW to 32 kW. Stream 4MSL range features high standstill pressure capability.

Stream CO₂ compressors are characterized by a design pressure of 90 bar suction and 135 bar discharge. The use of high pressure designs on the medium temperature as well as on the low temperature side of booster systems ensures that in case of power outage or prolonged off-period the refrigeration system features full resilience, no operation disruption and no venting of the refrigerant charge.

All compressor models of the Stream family are released for operation with frequency inverters and feature CoreSense[™] Diagnostics, an electronic module that provides advanced compressor protection, diagnostics and communication for improved system reliability, reduced service costs and increased equipment uptime. With CoreSense technology, service engineers can now diagnose system-related problems faster or even before they occur in order to keep refrigeration systems in an optimum condition throughout their lifetime. The diagnostics module stores compressor asset and runtime information and offers the possibility of monitoring individual compressor power.



Copeland™ Stream CO2 compressor for medium and low temperature R744 applications

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About Emerson

Emerson (NYSE: EMR), based in St. Louis, Missouri (USA), is a global leader in bringing technology and engineering together to provide innovative solutions for customers in industrial, commercial, and consumer markets around the world. The company is comprised of five business segments: Process Management, Industrial Automation, Network Power, Climate Technologies, and Commercial & Residential Solutions. Sales in fiscal 2013 were \$24.7 billion. For more information, visit www.Emerson.com

About Emerson Climate Technologies

Emerson Climate Technologies, a business of Emerson, is the world's leading provider of heating, ventilation, air conditioning and refrigeration solutions for residential, industrial and commercial applications. The group combines best-in-class technology with proven engineering, design, distribution, educational and monitoring services to provide customized, integrated climate control solutions for customers worldwide. Emerson Climate Technologies' innovative solutions, which include industry-leading brands such as Copeland Scroll™, Dixell™ and Alco Controls™, improve human comfort, safeguard food and protect the environment. For more information, visit www.emersonclimate.eu

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