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press release

HEOS SISTEMA NOW REFRIGERANT NEUTRAL

All the benefits of the Carel system for water loop applications with variable speed compressors are now also available for natural (CO_2, Propane) or low-GWP refrigerants

Düsseldorf, 5 March 2017 – CAREL, a multinational specialising in control solutions for air-conditioning, refrigeration and air humidification, at Euroshop will be previewing a new version of **Heos** that is compatible with natural (CO_2, Propane) and low-GWP refrigerants, and therefore **refrigerant neutral**. Our know-how in water loop systems with variable-capacity DC inverter compressors, combined with our skills and experience in managing natural and low-GWP refrigerants, mean the benefits of the Heos system are now also available using refrigerants with a lower environmental impact.

Heos is the **CAREL high-efficiency solution for managing refrigerated showcases** that, rather than the classic architecture with a compressor rack serving the showcases via long refrigerant distribution lines, offers a solution comprising plug-in cabinets fitted with variable-capacity DC inverter compressors cooled by a water loop.
This new refrigerant neutral solution thus adds the latest innovations in natural or low-GWP refrigerants to the established energy efficiency, direct cabinet temperature control, fast installation and flexible design of the Heos system.

"The availability of Heos as a refrigerant neutral solution represents a new revolution in commercial refrigeration, fully exploiting the benefits of continuous modulation ensured by the Heos system, independently of the refrigerant used, above all natural ones", commented **Diego Malimpensa, Business Unit Manager**. "With this new solution, we have brought together the results of years of innovation both in the use of natural refrigerants and of DC inverter technology, in a system that maximises the benefits of both".

Continuous modulation

Continuous modulation is the fundamental concept underlying the Heos system. Synergic operation of DC inverter compressors and stepper-motor electronic expansion valves controlled by technologically-advanced systems brings exceptional results in terms of control stability, optimisation of operating conditions and consequently energy efficiency, and preservation of product quality. All backed by a substantial improvement in robustness when compared to traditional systems, ensured by dedicated control, monitoring and predictive diagnostics procedures.

Comparative analysis systems

Considerable innovations have also been introduced regarding supervision, with comparative analysis down to a cabinet-by-cabinet level, a degree of detail that is not available on traditional centralised systems, and that guarantees a drastic reduction in maintenance times and helps prevent any malfunctions in advance. Indeed, it is now possible to analyse a comparison between individual or uniform groups of cabinets in detail, with specific dashboards that clearly highlight the differences in performance and control, immediately distinguishing the units with best performance and those where improvements are possible.

CAREL @ Euroshop
Natural Efficiency, available now
hall 16 stand 16E03
Euroshop, Düsseldorf
5 – 9 March 2017

For further information on CAREL's solutions on show at Euroshop, go to http://euroshop.carel.com/ or follow us on Twitter @CAREL_group

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About CAREL
CAREL is one of the world leaders in control solutions for air-conditioning, refrigeration and heating, and systems for humidification and evaporative cooling. Our products are designed to bring energy savings and reduce the environmental impact of equipment and systems. Our solutions are used in commercial, industrial and residential applications. CAREL has 19 fully-owned subsidiaries and 7 production sites, as well as partners and distributors in a further 75 countries.
For further information, go to www.carel.com