

Press release

C. | SOLUTIONS: CONNECTED EFFICIENCY

CAREL presents c. | solutions, a complete proposal for the control of high-efficiency air-conditioning units

Brugine (Padova), 15 March 2016

CAREL's offering is focused on three fundamental concepts: systems, specific solutions for HVAC/R applications and energy efficiency. Last time at MCE, we placed the spotlight on the first of these concepts, introducing the innovative c.pCO Sistema.

This time round, we are highlighting c.pCO Sistema in terms of specific solutions for high efficiency chillers and active heat recovery units. How? Firstly, by identifying the specific features and needs of each individual application, and then verifying how the CAREL product portfolio can meet such needs. Then recommending, from a wide range of possibilities, the models that are most suitable for specific requirements. Finally, providing the right adhesive to join everything together, in other words, integrated control logic.

A solid foundation

c. | solutions are control systems developed based on the application experience and know-how that CAREL has built-up over many years, one of our company's outstanding features. They are conceived and designed to be a solid foundation that CAREL's customers can use to build their own innovative proposals. The CAREL application provides more than 50 models of BLDC compressors made by different manufacturers, all tested and certified by CAREL in its own labs. This guarantees complete control of the compressor at different frequencies, so as to ensure it operates in the ideal conditions at all times, with maximum reliability.

The CAREL solution for chillers with variable-capacity compressors

c.pCO Sistema is the best high efficiency solution for different chiller configurations, exploiting BLDC technology for variable-capacity compressors and EXV electronic expansion valves. The use of DC compressors means higher energy efficiency than all other technology available on the market, with a very wide range of cooling capacity modulation.

The CAREL solution for active heat recovery units

c.pCO Sistema is ideal for controlling the most modern active heat recovery units, innovative units that perfectly fulfil the comfort and air quality requirements in new buildings. The latest building insulation techniques in fact require careful control of ventilation, so as to ensure adequate air change. Integrating heat recovery into the variable-capacity refrigerant circuit brings noteworthy results. The distinctive feature of the solution is high efficiency.

press information

CAREL Media Relations Manager, Paola De Troia

T. +39 049 9731 899

media.relations@carel.com

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