

New concept in refrigerant flow design

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Product update

The latest technology to hit the market last month is Carel's E3V-C.

It completes Carel's broad range of offerings for transcritical carbon-dioxide applications, introducing a whole new concept in refrigerant flow design.

The E3V-C is made from a complete stainless steel construction, and a very unique demountable architecture for the transcritical CO2 valve market.

Features include: an equal-percentage flow control characteristic, assuring the highest possible precision at any specific flow level; tight closing capability, providing a constant and firm closure when it is needed and; a cleanable, mechanical stainless-steel strainer that allows for extra protection from circuit debris.

The new product boasts compact dimensions (up to 30% less encumbrance compared with market-available alternatives) and thanks to a patent-pending design E3V-C has a lower weight, easing the installation process.

A removable stator completes the new valves strengths list; also without power supply the valve can be manually positioned using the Carel magnet tool which is a useful feature for fault finding and commissioning.

The E3V-C is ready to be installed in any CO2 circuit, whether it is a new plant or an existing one, raising an old-circuits performance to the Carel ExV Sistema level.



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