

COPELAND CO₂ TRANSCRITICAL REFRIGERATION UNITS

The time and effort saver: everything installers no longer need to worry about.



Copeland CO₂ scroll refrigeration units – significantly reducing installers' commissioning and maintenance efforts

By transferring the innovative Copeland CO₂ scroll technology to refrigeration units, its numerous benefits can be leveraged for decentralized architectures in small and medium-sized retail formats. Thanks to their modular design with a separable gas cooler combined with compactness and low noise emissions, the units offer installers maximum flexibility for placing the units on site. With these fully equipped units with pre-configured system parameters commissioning becomes a plug-and-play process. Factory build and tested units guarantee high product quality and reliable operation.

Once operational, additional benefits for installers come into play. Sophisticated electronics ensure maximum reliability at all cooling loads and ambient conditions with control settings accessible via an informative status display. Advanced controls indicate potential maintenance need and provide early warnings when risks are identified, enabling rapid analysis and troubleshooting. Maintenance work is also simplified by the refrigeration units' excellent accessibility to the system controller and components, the mounting of the electrical board at waist height, and the lightweight compressor. The units are fully compatible with the XWEB supervisor system for remote system monitoring and control. Furthermore, they are prepared to be integrated in all established building management systems.



All these features combined greatly help installers to implement and maintain the sustainable Copeland CO₂ scroll refrigeration units – more easily, quickly, and smoothly than ever before.

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Concrete benefits for installers with Copeland CO₂ scroll refrigeration units

Quick and easy commissioning

Combining the advantages of Copeland CO₂ scroll technology with advanced electronics turns commissioning into a drastically shortened plug-and-play process. The use of pre-tested components and features such as pre-configured system parameters also help simplify the setup. The fully equipped units already contain change-over pressure relief valves, saving precious installation time while ensuring legal compliance. The high-pressure design eliminates the need for a special start-up procedure.



Modular design for maximum installation flexibility

The gas cooler can be split from the compressor compartment and be positioned horizontally or vertically to adjust the airflow. Both parts can be installed together or independently either inside or outside the building, giving installers maximum flexibility to adapt to local store requirements.



Superior serviceability enabled

With a hinged door granting easy access to controller and components and a high-quality electrical board that clearly identifies components, service and maintenance are significantly simplified. The clear and informative Visotouch touch screen display provides a comprehensive overview of the system status and enables uncomplicated adjustment and control of the unit.



Maximum reliability ensured

To deliver reliable performance at the highest level right from the start, the units are equipped with pre-matched and factory-tested components. Their intelligent electronics concept, based on the sophisticated Copeland XC Pro system controller, ensures operation within pre-defined safety ranges and enables predictive maintenance as well as remote diagnostics. Safety components such as pressure relief valves as well as the active oil management with oil separation also contribute outstanding reliability.



Learn more about Copeland CO₂ Technology

For more information on Copeland CO₂ scroll technology, its features and benefits, check out webpage at copeland.com/CO2Refrigeration.

For more details, see copeland.com/CO2Refrigeration

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