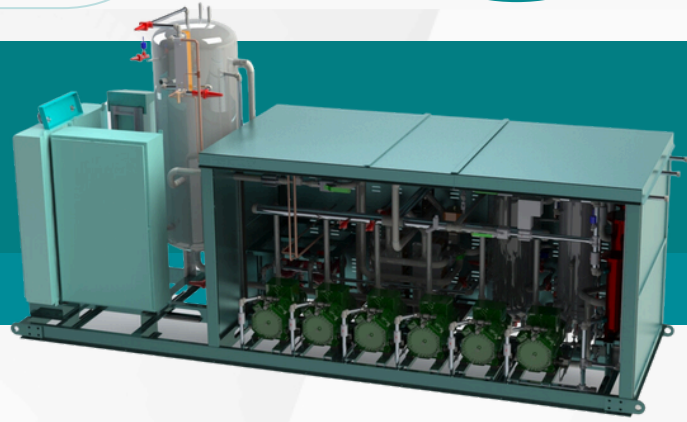


CO₂ TRANSCRITICAL SYSTEMS

FOR INDUSTRIAL APPLICATIONS



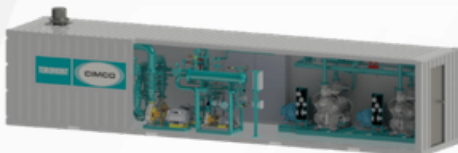
STANDARD FEATURES

- Stainless steel piping.
- Outdoor weather-proof package.
- Standstill pressures up to 1160psig (no backup cooling unit required).
- For packages with 3 high stage compressors, first compressor on each stage equipped with variable speed drive.
- For packages with 1 high stage compressor, compressor will be fitted with solid state starters, and gas cooler factory mounted on package.
- Danfoss pre-programmed configurable commercial package controller.
- CIMCO factory foam-in-place insulation on cold vessels and piping.
- Evaporator control valving on package for two-pipe evaporator piping arrangement. (Liquid-Condensate, Suction-Hot Gas) where package is close to evaporators.

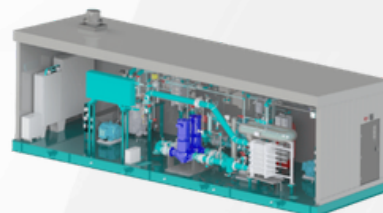
OPTIONAL FEATURES

- Available as an indoor package (no enclosure), container enclosure, or prefabricated building (See options below).
- Common three or four pipe piping arrangement (Liquid, Suction, Hot Gas, Defrost Condensate).
- Second compressor (if equipped) on each stage equipped with variable speed drive (for redundancy).
- Service lighting & electrical outlets.
- CIMCO factory pre-programmed configurable Allen Bradley industrial package controller, plug & play compatible with existing CIMCO PLC installations and CIMCO Penthouse Evaporators.
- Parallel high stage compression circuit &/or ejectors to maximize efficiency in warmer climates.

SIZING BY APPLICATION (14-260TR)



Container Enclosures from 50-150TR



Prefabricated buildings > 150TR



Project Spotlight:

Completed in April 2021, this new freezer and cold storage facility has a rooftop outdoor CO₂ transcritical rack and includes a heat reclaim CO₂ transcritical plant. This install features an industrial rooftop rack system and DX special penthouse evaporators, all mounted on the roof to eliminate the need for an indoor engine room, ultimately saving the customer the cost of real estate and capitalizing on CO₂ efficiency.

Innovative Thermal Solutions **BUILT FOR YOU**

At CIMCO, we offer comprehensive services and solutions for all your thermal needs, from heating and air conditioning to cooling and freezing. Whether you're looking at retrofits, expansions, new builds, or parts, we handle projects of any scale with precision and expertise. Our team of dedicated professionals is committed to sharing their knowledge and processes to deliver the best solutions tailored to your specific requirements.

What truly sets us apart is our ability to provide customized solutions that meet your unique needs, backed by our technical expertise and extensive North American coverage. With a large parts network, we ensure availability and quick delivery, leveraging our buying power to offer competitive pricing and cost savings. Our financial stability guarantees a reliable and trustworthy partnership, making CIMCO your ideal choice for all industrial thermal solutions .

