evapco for LIFE

INDUSTRIAL AIR-COOLED GAS COOLERS



FEATURING

ADIABATIC evapco TECHNOLOGY

US GREEN BUILDING COUNCIL MEMBER

IARW International Association of Refrigerated Warehouses

Member of iiar International Institute of Ammonia Refrigeration www.iiar.org

AHRI Air-Conditioning, Heating, and Refrigeration Institute

eco-Air

INDUSTRIAL CO_2 GAS COOLERS

Design Features & Benefits

- To meet a wide variety of applications, dry models are available in both Flat and V-configurations. Adiabatic models are available in a V-configuration.
- 100% fully rated thermal performance, backed by EVAPCO's Performance Guarantee.
- Available with NEMA or Electronically Commutated (EC) motor technologies. Voltages available in 230V/460V/575V.
- Heavy-wall 304L stainless steel tube with aluminum fins. Various fin spacings from 6 to 12 fpi to meet job-specific requirements. Epoxy-coated fins are available as an option for improved corrosion resistance.
- 1740 psig (120 Bar) coil design working pressure (DWP).
- Coil is designed, constructed and tested in accordance with ASME B31.5 for highest reliability.
- Canadian Registration Number (CRN) for all Canadian Provinces and Territories.
- Optional factory supplied unit controller with VFD for NEMA applications. The panel is UL & cUL listed.







Get to Know EVAPCO

- The global innovator in heat transfer solutions
- Serving the commercial HVAC, Industrial Refrigeration, Power Generation, and Industrial Processing markets
- Founded in 1976
- Employee-owned
- 36 engineering & manufacturing facilities in 14 countries
- More than 200 sales offices worldwide

Learn More Now

Visit evapco.com to download product catalogs, view complete product specifications, and more.

EVAPCO is more than a name.

It's a pledge to make everyday life easier, more comfortable, more reliable, and more sustainable for people everywhere. How do we fulfill that promise? It's simple.

We never stop innovating.

At EVAPCO, we don't just talk about innovation; it's ingrained in our workflow. Guided by our annually developed R&D plans, we set out to find groundbreaking solutions that transform the way the world works for the better. It's why we have more than 78 active patents worldwide.

We craft exceptionally built solutions.

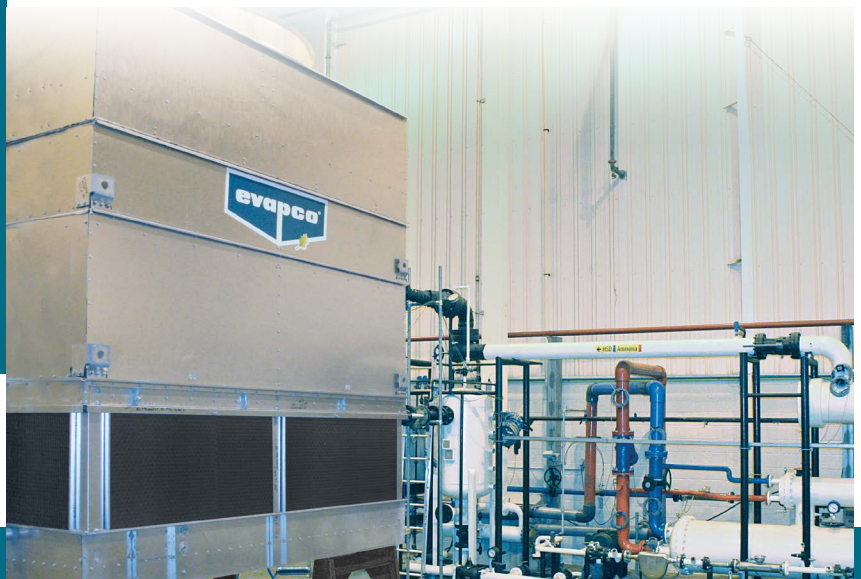
As an employee-owned company, we take pride in our work. We are proud to be one of the most experienced teams of engineers and craftsmen in the industry. This translates into solutions that are always exceptionally built. EVAPCO has an unwavering commitment to provide "best in class" heat transfer solutions and services.

We guarantee performance.

Every EVAPCO solution is put through rigorous research and testing to ensure maximum efficiency and reliability. But we don't stop there. EVAPCO is an industry leader in independent, third-party performance certifications. These certifications guarantee our performance metrics—so that you can plan your projects with complete peace of mind.

We protect the environment.

Innovation and environmental sustainability go hand-in-hand at EVAPCO. Our industrial heat transfer equipment not only conserves natural resources and helps reduce noise pollution, but also features recycled steel content in construction. EVAPCO's stainless steel units are constructed of panels that contain up to 67% recycled content, and our galvanized units contain over 79%. From sound reduction to water conservation to chemical elimination, we are continuously developing new technologies that deliver the ultimate operating advantages to our clients—while protecting the planet for every generation to come.



eco-Air Series Design and Construction Features

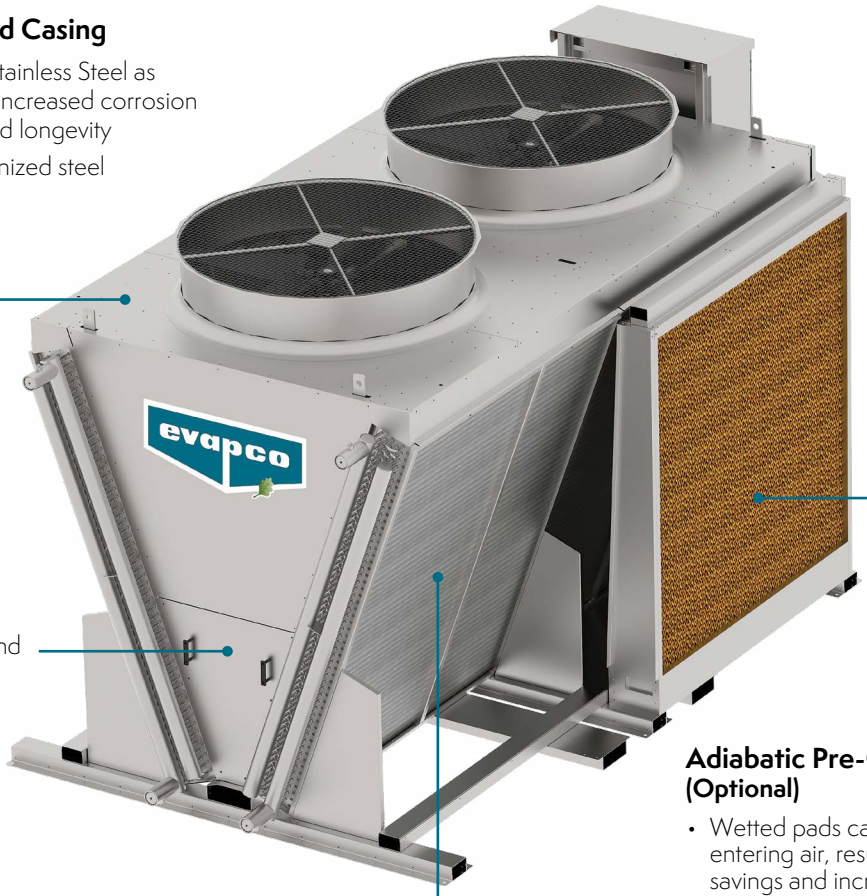
The eco-Air Series of CO_2 Gas Coolers represents EVAPCO's newest advancement in thermal heat transfer research and development. Available in fully dry and adiabatic configurations, the eco-Air Series maximizes heat rejection with minimal to no water use. The eco-Air Series of CO_2 Gas Coolers is another chapter in EVAPCO's ongoing commitment to quality, environmentally friendly products.

V Coil Models

Structure and Casing

- Type 304L Stainless Steel as standard for increased corrosion resistance and longevity
- G-235 galvanized steel available

- Maximum surface area per footprint
- Optimized coil angle for heat rejection and air flow
- Compact plan area and layout



Inspection Panel (V Coil Models)

- Easily removable for interior inspection and access to coils and fan motors

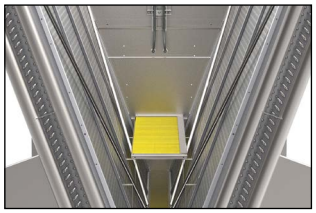


Heat Exchanger Coils

- Type 304L Stainless Steel tubes with aluminum fins
- Multiple fin spacings and tube configurations
- Upgraded fin thickness available

Adiabatic Pre-Cooling System (Optional)

- Wetted pads can be utilized to pre-cool entering air, resulting in greater energy savings and increased capacity with minimal water use
- Great for high dry-bulb climates and high-temperature applications
- Once-through design
- No water treatment required
- No cold water basin or pump
- No drift
- V coil models only



Internal Step Deck (Optional-V Coil Models)

- Platform and grab rail for access to elevated fan section components (7' 9.75" wide V Coil Models only)



Coil Return Bend Covers

- Protects the coil return bends during handling and operation

Advanced Motor Technology – Electronically Commutated (EC) or NEMA fan motor designs



EC

- High Efficiency
- Zero Maintenance
- Integral Speed Control
- Inherently Low Sound

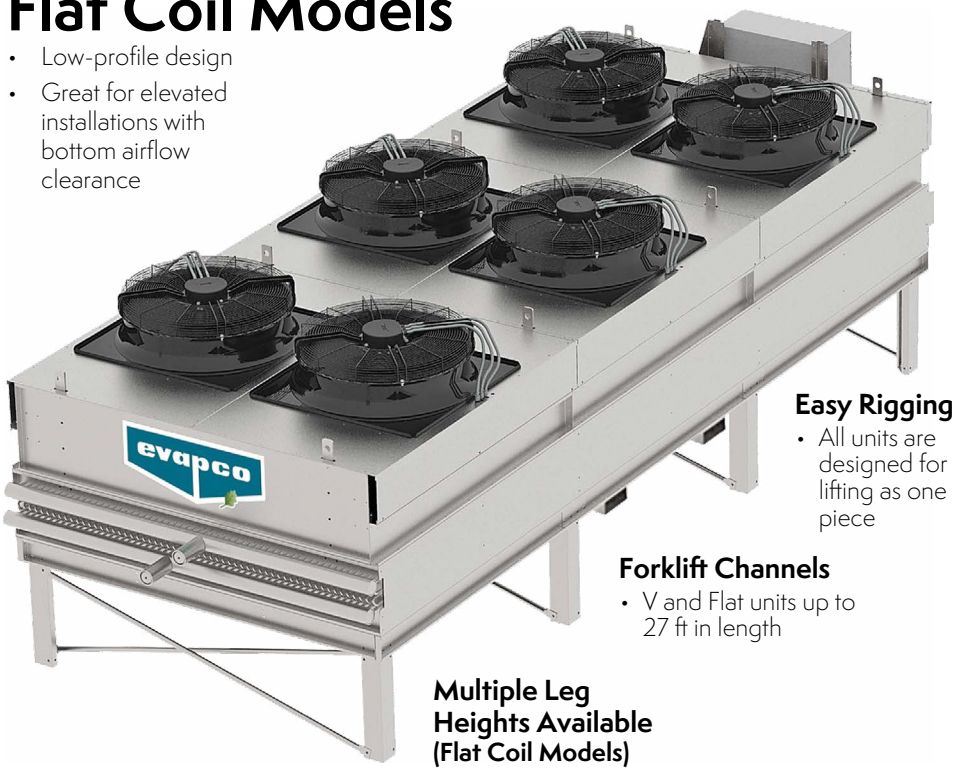


NEMA

- Premium efficient direct drive
- Zero maintenance permanently sealed bearings
- VFD ready
- Severe Duty

Flat Coil Models

- Low-profile design
- Great for elevated installations with bottom airflow clearance



Easy Rigging

- All units are designed for lifting as one piece

Forklift Channels

- V and Flat units up to 27 ft in length

Multiple Leg Heights Available (Flat Coil Models)

Coils Pressurized with Nitrogen

- Limits internal corrosion potential during transport and storage

Warranty

- 2 years complete unit
- 2 years adiabatic pads (if equipped)
- 1 year EVAPCO Controller and other electrical components (if equipped)



Common Terminal Box

- All motors factory wired
- Saves time in the field
- UL Recognized



Factory-Mounted & Wired Controls

- EVAPCO PLC Panel (EC Motors)
- EVAPCO PLC/VFD Panel (NEMA Motors)
- Single-point power connection
- UL & cUL Listed
- UL Type 4 enclosure



c UL us LISTED

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Committed to making life easier, more reliable and more sustainable for people everywhere