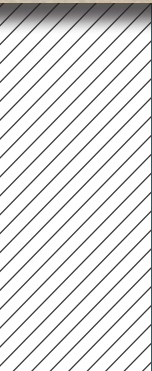


eco-Air

TITAN™

Air Cooled Heat Exchanger



Power Generation | Carbon Capture | Heavy Industrial | Data Centers



Inspired by large power cooling applications, the all-new eco-Air Titan™ field-erected air-cooled heat exchanger is an efficient and cost-effective solution for customers across all industries who require large heat rejection duty. The eco-Air Titan takes EVAPCO's proven state-of-the-art finned tube bundles found in our commercially successful eco-Air Series™ product line and integrates them into a large fan, field-erected unit that leverages all the efficiencies found in EVAPCO's market leading Advanced Technology™ ACC. Combining these synergies is a **power saving** air-cooler design that provides a substantial amount of cooling capacity in a **small footprint**.

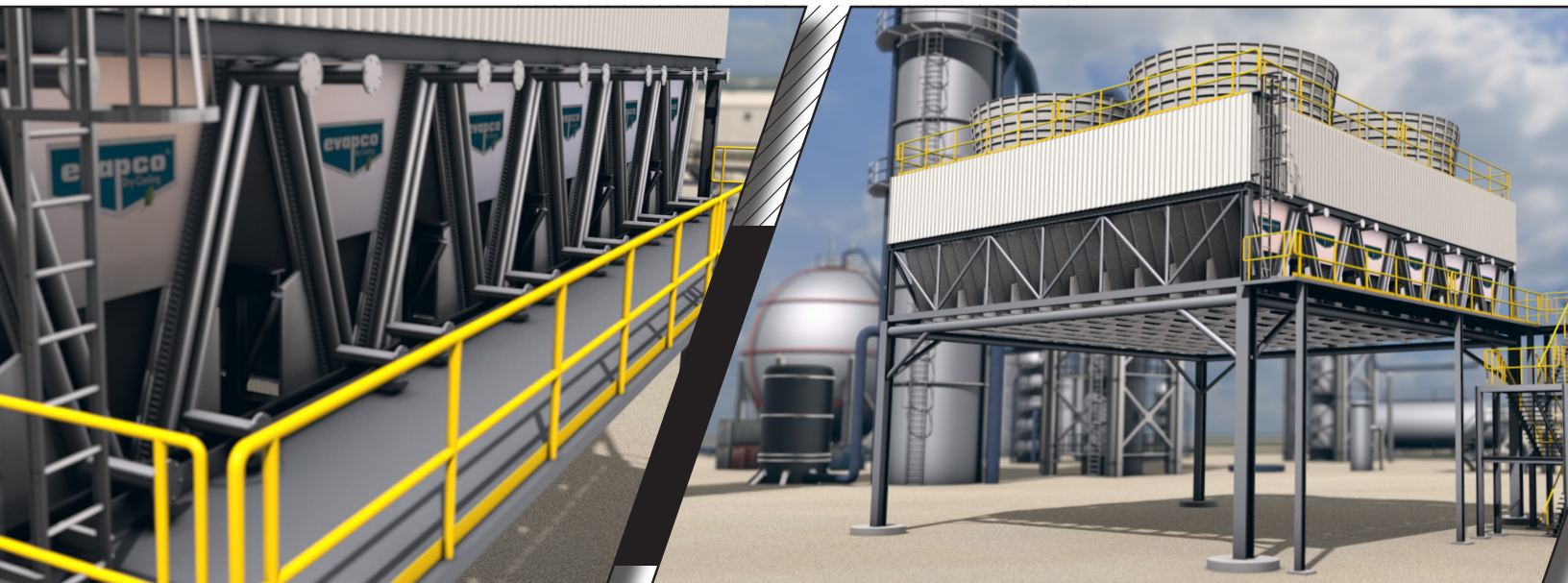


Coil Design

Using computational fluid dynamics (CFD) modeling software, finite element heat transfer analysis, and proprietary coil performance calculation methods, EVAPCO engineers have identified significant design elements to improve the finned coil performance. The extensive computer modeling has been refined and verified through coil performance evaluation in EVAPCO's world-class research laboratories. The EVAPCO eco-Air Titan is configured with the same coil technology as our conventional eco-Air Series products, which enjoys a reference list of over 1,000 units since being introduced to the marketplace in 2017.

Superior Stainless Steel Technology

Like the eco-Air Series dry coolers, the eco-Air Titan is constructed with high-grade Type 304L **stainless steel tubing** and **aluminum fins** as standard. The SS tubing meets the requirements of ASME B31.5 piping code. The tubing is roll formed and continuously welded, annealed, and tested using an eddy current device. For applications where corrosion of the aluminum fin is a concern, an epoxy coating is available.



What are the benefits of the ?

- **Reduced Auxiliary Power.** A reduction in electrical power consumption results from the deployment of large diameter, high-efficiency fans and pressure recovery fan stacks.
- **Reduced Maintenance.** The eco-Air Titan reduces the maintenance associated with systems requiring more fans and/or utilizing carbon steel or copper tubes requiring cleanable headers.
- **Reduced Footprint.** Plot plan limitations can be overcome by the eco-Air Titan solution which elevates modules and arranges fin/tube bundles in a V configuration to increase airflow.
- **Flexibility in Sound Attenuation.** Stringent noise requirements are more readily met with the eco-Air Titan, which utilizes fewer fans. Optional low sound fan blade designs are also available.
- **Resistance to Recirculation.** The effects of recirculation are mitigated with the geometry of the eco-Air Titan and the flexibility of air moving technology that is available.



The Next Generation

The eco-Air Titan™ is the next evolution of EVAPCO's dry cooling product lines, utilizing the benefits of EVAPCO's latest thermal heat transfer research and development while taking advantage of the efficiency gains of large fans and smaller equipment footprints. This is another chapter in EVAPCO's ongoing commitment to high-quality, environmentally friendly products.

Consulting engineers, EPCs, and end users are joining the eco-Air Titan revolution.

To learn more, visit: www.evapcodc.com or call +1 (908) 379-2665.



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