



Quality You Can Trust, Service You Can Count On

For 50 years, EVAPCO has set the industry standard for quality products and customer service. A relentless commitment to excellence has made EVAPCO the preferred supplier for many of our partner contractors, built on a foundation of delivering both superior products and dependable support. This dedication to quality extends beyond product design and manufacturing. It is reflected in the precision fit and finish of our equipment, as well as the rigorous testing and third-party certifications conducted in EVAPCO's state-of-the-art environmental test laboratories. The result is equipment that is not only thermally performance-verified and guaranteed, but also engineered for long-term reliability. This is achieved through decades of research and development and a continued, intentional focus on delivering products that stand the test of time. Quality products and fanatical customer service are the foundation of *The EVAPCO Experience!*

WHAT MAKES EVAPCO THE MOST TRUSTED BRAND IN THE INDUSTRY?

AHRI CERTIFICATION & GUARANTEED THERMAL PERFORMANCE



2026 Marks 13 Years of AHRI Certified Evaporators for EVAPCO!

Although some manufacturers claim their products are rated in accordance with AHRI, the certifying body requires that any such rating be based on equipment that has been independently tested and certified. After more than a decade in the program, EVAPCO remains the only industrial evaporator manufacturer offering an AHRI 420 certified product.

The benefit of providing a certified product is peace of mind for our customers, ensuring that the capacities published on our technical data sheets are tested, verified, and proven performance values.

Manufacturing Codes & Standards

Adherence to ASME B31.5, IBC Compliance, and FM approved equipment

EVAPCO offers solutions for all applications through its full-spectrum product offering. All EVAPCO equipment is built in compliance with ASME B31.5 and is available in multiple seismic configurations to meet a range of specification requirements. Additional certifications are also available depending on the application, including, but not limited to, FM Approved condensers, Class 1 Division II, and more.

Dedication to Research and Development

Over 100,000 ft² of R&D Space at World Headquarters

EVAPCO's commitment to innovation, quality, and continuous research and development is unmatched. At the global headquarters in Taneytown, MD, there are 9 laboratories, including 6 environmental test chambers used for testing and developing equipment. This includes the only AHRI Certified evaporator test lab in the world for both NH₃ and CO₂. A continuous pursuit of innovation and quality has resulted in EVAPCO holding 508 active patents worldwide, with that number continuing to grow.



Figure 1: AHRI Evaporator test lab and technician.

Weld Quality Investments

Expanded corporate quality team, specifically for welding

EVAPCO continues to expand its team of weld engineers, with multiple specialists stationed across all facilities to monitor, inspect, and support weld quality. This expertise is a key asset in developing and implementing weld training and instruction for our manufacturing teams.

The CWI (Certified Weld Inspector) team has expanded to seven total inspectors. These CWIs are also stationed throughout our domestic manufacturing facilities.

Implemented orbital welding on coil welds for clean, repeatable results

We recently implemented orbital welding on our eco-Air™ product lines with the goal of expanding to additional product lines in the near future. The orbital welder is used to make coil welds, which previously required an individual to make hundreds of welds in confined spaces. Its introduction delivers consistently uniform, high-quality results.

In conjunction with the introduction of orbital welding, EVAPCO has also begun monitoring and evaluating welder technique and torch manipulation. This provides a more detailed understanding of how welds are being performed, allowing us to make improvements where necessary with input from our CWIs.

Weld Procedures & Process Enhancements

Enforced strict pre-heat and inter-pass temperature requirements

Pre-heat temperature is the required temperature the material must reach before welding can begin, while inter-pass temperature is the temperature that must be maintained before the next arc is struck. Defining and enforcing these requirements helps preserve material integrity and minimize the potential for corrosion at the weld site.



Figure 2: Welding return bends on a coil.

Inspection & Testing Enhancements

Continued comprehensive testing for Refrigeration product lines

EVAPCO tests its coils to ASME standards. Our testing procedures include underwater pressure testing, in which a coil is pressurized and submerged in a tank for visual leak detection. EVAPCO also performs burst testing on in-house manufactured stainless steel tubing at regular intervals to verify weld quality and to collect data used in tube expansion processes. EVAPCO tests a specified percentage of coils each week to identify potential leak points using dye penetrant testing and to locate potential future corrosion sites that may not yet leak at the factory but could develop leaks after thermal cycling in operation.



Figure 3: Test tank used for ASME pressure testing of coils.

Reinforced existing test methods for additional quality control

In addition to coil leak testing, EVAPCO also tests all evaporative product basins prior to shipment. Condenser basins are filled and held for a specified amount of time to ensure that there are no basin leaks prior to the equipment leaving the manufacturing site.

EVAPCO also runs full motor amperage testing on all fan motors prior to the equipment shipping. Each facility is equipped to apply power to the motor and measure the amp draw to confirm that it falls within the expected range.

RVS also performs leak testing on vessels and packaged systems, as well as PAUT (Phased Array Ultrasonic Testing) on vessel welds. This is an advanced non-destructive testing method which utilizes an array of ultrasonic waves to map vessel internals to identify potential internal flaws, structural concerns, or potential corrosion sites.



Figure 4: Phased Array Ultrasonic Testing.

Regardless of the manufacturing facility or product, EVAPCO and its subsidiaries employ a comprehensive testing program to ensure components and finished equipment meet or exceed our quality standards.

Introduced formal visual inspection training for welders and inspectors

EVAPCO formalized visual inspection training for all welders and inspectors. Although seemingly trivial, the training taught proper procedures and key details to evaluate during inspections. This helps reduce the likelihood of non-conforming items reaching the customer.

Strengthened WPS compliance and process adherence

WPS (Welding Procedure Specification) is the documentation/written procedure that provides step by step instructions on how to perform the welds in our manufacturing process. EVAPCO has implemented new strategies internally to ensure that the WPS is being followed, and conducts frequent checks to ensure welders are adhering to established standards.

Corrosion Prevention

Monitored for cross-contamination between carbon and stainless steel

Ensuring that the materials of construction for tooling and storage match the product they come into contact with prevents cross-contamination, particularly carbon steel deposits on stainless steel product.

Installed brush tables to reduce metal-on-metal contact

Brush tables have been installed to prepare and move materials from one station to the next. These tables are similar to roller tables and easily allow large sheets of material to be moved on CNCs and press brakes. While roller tables utilize ball bearings built into the tables, the benefit of the brush table is a gentler, non-metal material contacting the stainless steel. This prevents the necessity of matching the ball bearing in a roller table to the material on the table. This is another step to minimize cross-contamination of metals.

Implemented full belt sanding of headers to eliminate potential corrosion sites

A full sanding of all headers using a belt sander removes any imperfections or debris that could cause eventual pitting or future corrosion sites.

Water Treatment & Factory Assisted Passivation

Focused water systems product offering to extend equipment life cycle

Evaporatively cooled condensers and fluid coolers require ongoing water treatment. The purpose of water treatment is to minimize scale, corrosion and biological growth within the unit.

EVAPCO is the only industrial equipment manufacturer that offers factory mounted water treatment solutions. Additionally, EVAPCO has created a solution for galvanized coil passivation that allows customers to passivate their coil under heat load. Typically, passivation requires a period of 6-12 weeks on average, and is done prior to the unit being operational. With EVAPCO's Pass-Protect® factory assisted passivation solution, we are now able to passivate the unit immediately after it is brought online. This solution is particularly valuable in emergency replacement applications when downtime is not an option.

A properly passivated coil and ongoing water treatment ensures the longest possible life span of the equipment. EVAPCO's in-house water analytics lab will test a water sample from your jobsite to evaluate the water chemistry and develop a site-specific plan for passivation and water treatment. With the help of EVAPCO and our water systems expertise, we can ensure a quality product for the life of the unit.



Figure 5: Smart Shield™ Chemical Feeders on Condensers Awaiting Shipment.

After Sales Support & Warranty Management

EVAPCO Field Service

EVAPCO prioritizes the customer experience in ensuring that a warranty claim is handled quickly and painlessly for our customers. The most crucial aspect is responding immediately to get the equipment back in operation. EVAPCO employs fully staffed field service groups at each domestic facility, offering a service team that can react to critical warranty timelines.

Deployed a CPA retrofit program for aging equipment

EVAPCO has been manufacturing critical process air handlers (CPAs) since 2000. As the equipment begins to age, we have developed a retrofit program to bring these units back to their original condition. Our Minnesota office and Lake View, IA facility will dispatch a field service technician who specializes in rooftop equipment to visit the jobsite, walk the roof, and develop a full analysis/report of the equipment in question. The report can then be used to purchase parts which, either a contractor can install, or EVAPCO will handle supplying and installing replacement components to bring the unit back to like-new condition.

Stocked aftermarket parts inventory

EVAPCO takes pride in maintaining a large inventory of parts for all products to provide support in the event of an urgent need. In addition to supplying parts for EVAPCO equipment, customers can also procure parts for non-EVAPCO equipment, all of which include a warranty on purchased parts. Whether during the warranty period or beyond, EVAPCO after-sales support is available for the lifetime of the equipment, helping ensure it is properly maintained and continues to deliver EVAPCO quality for many years.

The EVAPCO Experience!

EVAPCO's commitment to customer service is another attribute to be highlighted as it pertains to overall quality. EVAPCO makes it a point to ensure the highest level of customer satisfaction, not just with the quality of the product, but with the overall customer experience. By expecting more than most people think is normal, and caring more than most people think is reasonable, all EVAPCO employees play a critical role in ensuring a quality customer experience.

'Excellence in Action' is a guiding principle shared by all EVAPCO employees. Our mission is to be the team our customers can rely on for a lifetime, founded on the core value of treating people right. At EVAPCO, we are driven by a culture of excellence and a commitment to delivering the highest quality products and an exceptional customer experience. Through the dedication of our employees, EVAPCO has built a reputation for uncompromising quality and fanatical customer service, providing support you can count on now and for years to come.