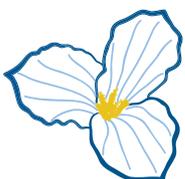
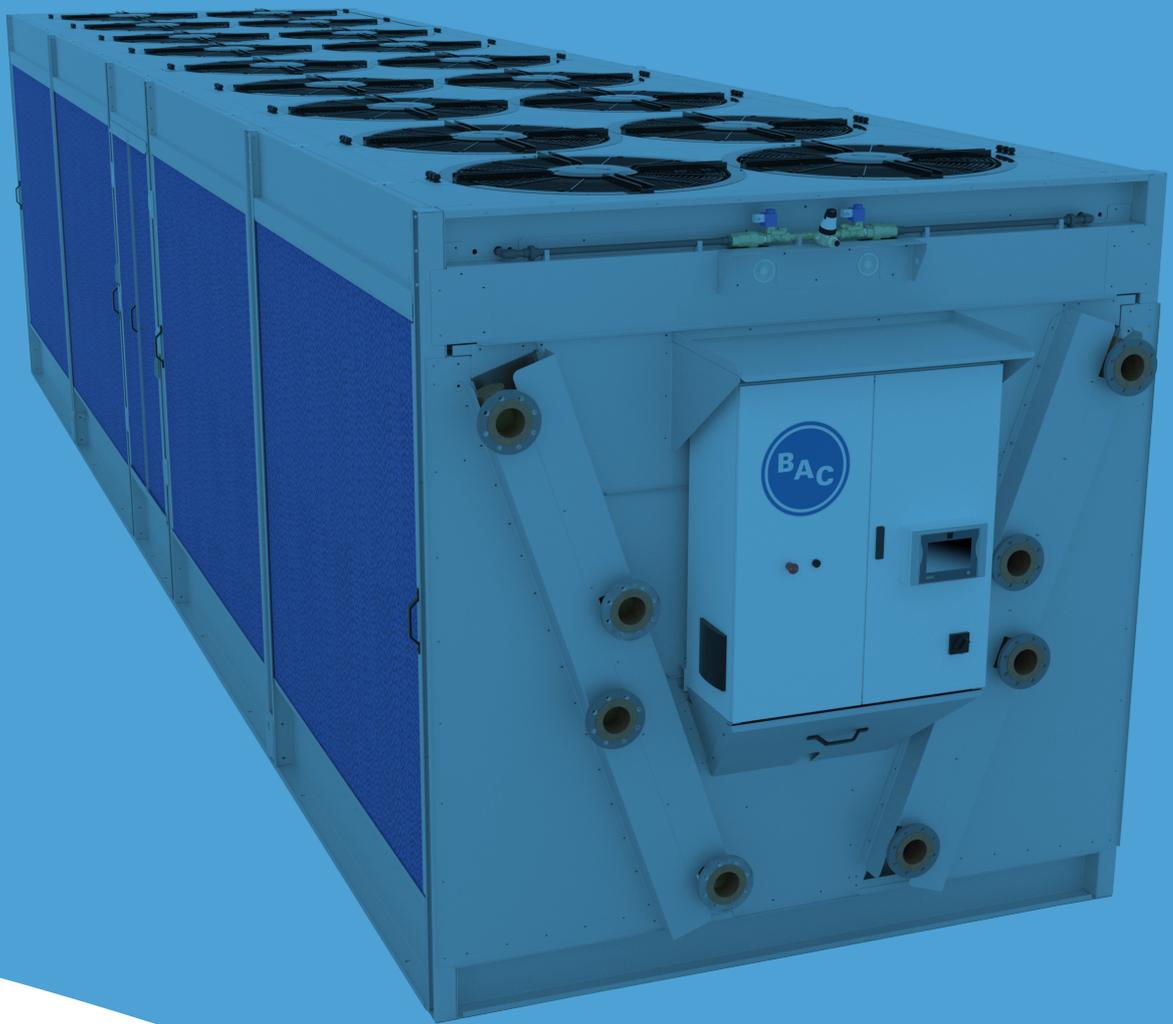




# Optimized for trouble-free industrial operation



**TrilliumSeries™**  
— Adiabatic Cooler  
model **TRF**



## REDUNDANCY

### UNMATCHED DEGREE OF BACKUP CAPACITY

Large amount of fans that provide an unmatched degree of backup capacity and guaranteed redundancy.

★ Optional **internal partitioning panels** create individual air intake ducts for each fan, which eliminates thermal performance loss due to air bypassing the coil through an idle fan.

★ **Pre-cooler pump recirculation system** provides backup guarantee in case of pump failure.

★ The **fans** remain operational even in the event of loss of PLC signal.



## OPTIMIZED DESIGN

### DECADES OF EXPERIENCE

Short gutter sections with diamond pattern holes and with centre pump ensure an **optimal water distribution**.

Easy access to the operational parameters on a large touchscreen so the **main electrical panel can remain closed**.

Low sound and low electrical power consumption with specifically selected **fans**.



## LOWEST MAINTENANCE AND EASY INSPECTION

### MINIMAL AND EASY MAINTENANCE

★ All **critical components are easily accessible from the outside** during operation.

★ **Pump maintenance** is possible during adiabatic operation.

**Fan motors** can be replaced in all safety with the optional **motor davit**. There is no risk of damage to critical components such as heat exchangers and bottom panels.

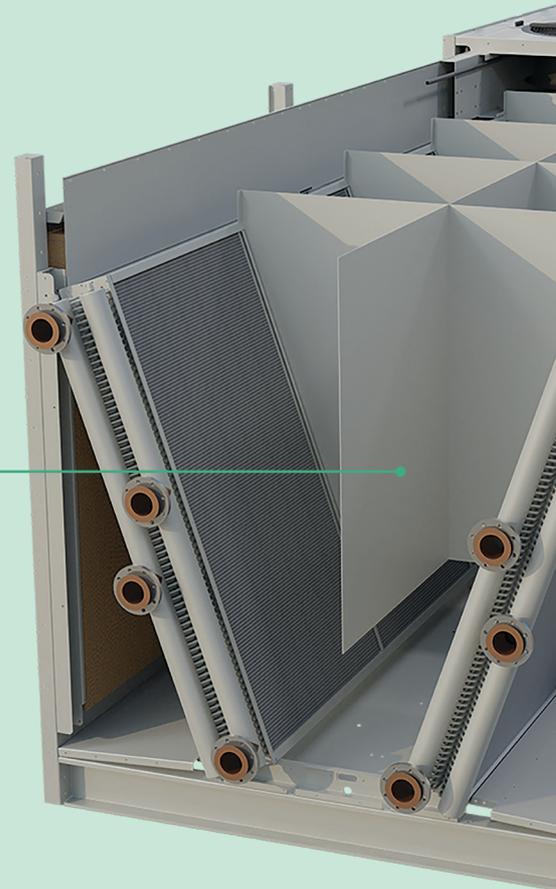
It is easy to clean the **water distribution system** from the light weight mobile work platform.



# TrilliumSeries™ Adiabatic Cooler, model TRF

### Optimized for trouble-free industrial operation

The TrilliumSeries™ Adiabatic Cooler - model TRF has been developed to achieve maximum adiabatic cooling. They are designed to offer year round reliable industrial operation meeting the highest degree of redundancy. Users can reduce the process fluid return temperature with 10°C vs. traditional air-cooled products and achieve efficiencies similar to systems operating with evaporative cooling equipment.



Optional **internal partitioning panels** for individual air intake

Optional **sealed bottom** to capture fluids, guiding them towards the unit sump with drain connection



All structural elements are protected with **Baltibond® hybrid coating**

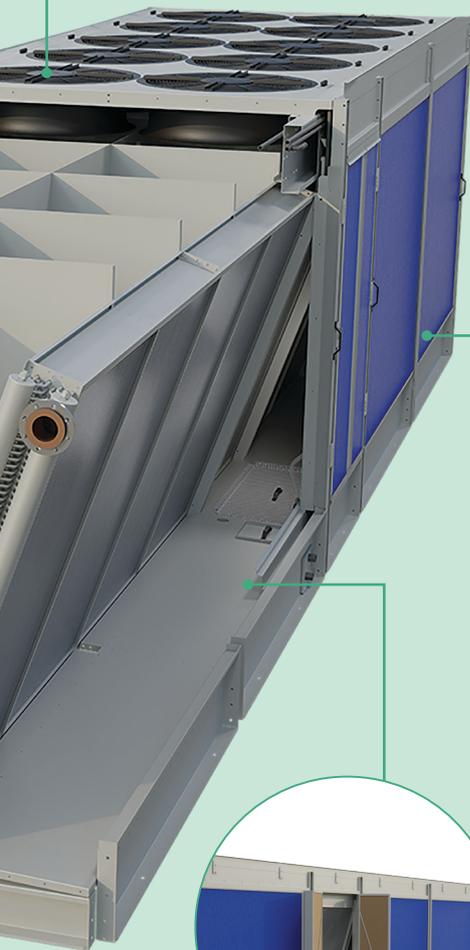
Units with pump recirculation on the adiabatic pre-coolers have water supply at the top of the pads, providing guaranteed back-up in case of pump failure



Fans remain operational even in the event of loss of PLC signal

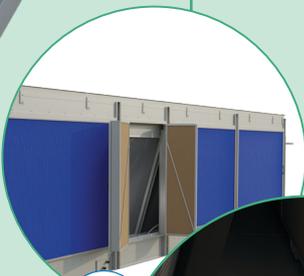


All site specific parameters are factory set and tested



Special anti-abrasive protection on the pads ensures their durability

Critical components fully accessible from the outside during operation



Pump maintenance possible during adiabatic operation



## UNRIVALLED RELIABILITY

### MAXIMUM UPTIME AND LONGEVITY

All structural elements are protected with **Baltibond® hybrid coating**, offering the same reliable life expectancy as stainless steel 304L.

**Special anti-abrasive protection on the pads** ensures their durability under harsh conditions.

**Epoxy coating (optional) on the coils** increases the resistance against a humid environment, high chlorides and other corrosive agents.

Incoming air is cooled **without transferring water to the finned block heat exchangers** - preventing uncontrolled fouling, algae and corrosion - optimizing the thermal capacity at all times.



## SUPERB HYGIENE

### CONTROLLING THE RISK

**No aerosol formation**, TrilliumSeries™ Adiabatic Coolers - model TRF minimize the Legionella distribution risk.

All parts that come into contact with water are fully drainable, no water is stored in the unit during dry operation, minimizing the uninhibited Legionella bacterial growth: **no continuously wet parts**.



## PLUG AND PLAY

### FACTORY SET CUSTOM CONTROLS

Already for more than a decade we provide **proven controls**.

All site specific **parameters are factory set and tested** before the unit is shipped.

**Multiple control strategies** allow to match any process needs at minimal operating costs.

**More info?**  
**Contact your local**  
**BAC representative.**



# PIIONEER IN ADIABATIC HEAT REJECTION TECHNOLOGY AND PRODUCTS

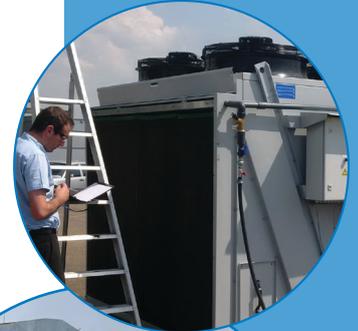
BAC continually leads the industry in delivering advanced, safer and better cooling technologies. Back in **2005** BAC pioneered launching the **first adiabatic unit with pre-cooler pads** that guarantee high thermal efficiency and safe operation, which was immediately awarded for its innovation. BAC's adiabatic product development was taken a step further and exceeded adiabatic cooling expectations in terms of **thermal performance, sound, safety, hygiene, water and energy usage.**



## INNOVATING TOGETHER

Today, BAC still invests time and resources into the design, testing and the efficiency of the adiabatic product range, in close collaboration with customers. Since 2005, the R&D team continuously makes design improvements, which are integrated in the actual range of adiabatic products. As a result **BAC's adiabatic products have a unique and optimized design which is not and has never been comparable to simple air-cooled products extended with pre-coolers** in terms of efficiency and reliability.

Performance and sound testing



## SUPPORT IN EVERY STAGE OF YOUR PROJECT

We have **expert engineers** that are driven to help and support you with one common goal in mind: developing and delivering adiabatic cooling products that **fully meet your needs**. We use specialised software for selecting the most appropriate evaporative and adiabatic cooling equipment and are able to make calculations of the investment and **annual operating costs**.



## RELIABILITY

BAC has over **4000 adiabatic products** reliably operating worldwide, all locally supported. That is the result of more than 15 years of adiabatic cooling R&D efforts and independent thermal performance testing. We run an **inhouse adiabatic production line**, which includes manufacturing of all critical components such as finned block heat exchangers. This ensures a reliable supply chain and a flexible production capacity that meets the needs of any project size. With over 80 years of evaporative cooling expertise and 10 manufacturing plants worldwide, we have the know-how and **production capacity** available to quickly meet all your cooling needs.

When engaging with BAC as partner for your adiabatic solutions, you are assured of the **most efficient and innovative technology**. It's **reliable operation** helps **reduce your overall environmental impact** and **total cost of ownership** of your installation.



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[www.BacSustainability.com](http://www.BacSustainability.com)  
[europe@BaltimoreAircoil.com](mailto:europe@BaltimoreAircoil.com)



**BALTIMORE AIRCOIL COMPANY**

**BLUE by nature  
GREEN at heart**

