

Baltimore Aircoil

Reliably serving your cooling process ...



 **SpartiumCooler**
one of the TrilliumSeries

Dry Coolers SP
with adiabatic pre-cooling



Baltimore Aircoil

... because temperature matters™

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one of the TrilliumSeries

Dry Coolers with adiabatic pre-cooling

Baltimore Aircoil is a worldwide leading manufacturer of heat rejection equipment for a wide range of applications. In its constant search for improvement in design and performance BAC has developed and perfected many features which have become the standard of excellence for cooling throughout the world.

The SpartiumCooler has been developed to achieve maximum adiabatic pre-cooling of the air while eliminating the risk of uncontrolled growth of algae, slimes and other micro-organisms such as legionella. SpartiumCoolers come standard with electrical panel with VFD, supporting all common communication protocols.

Single cell capacity 10 - 35 l/s,
30 % EG at 40/35/25°C



Axial fan
Direct drive with
integrated motor

Heavy duty construction
Structure and casing heavy gauge
hot-dip galvanized steel panels Z275

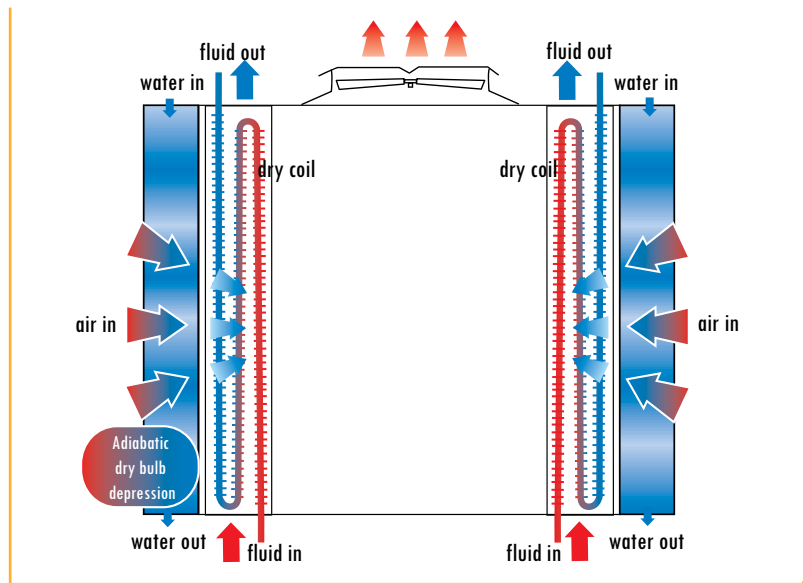
Electrical panel
with VFD

Adiabatic pre-cooler
with evaporative
cooling pads

Pre-cooler
solenoid valves
and water filter

Seamless copper tubes
with pre-coated
aluminium fins

Sloping drain



high thermal performance

- Air pre-cooling to temperatures approaching wet bulb temperature
- Up to 40% increased capacity compared to dry cooling
- Reduced energy consumption
- Low process temperatures

water saving

- More than 80% annual water saving compared to cooling towers
- Short and limited periods of adiabatic operation



operational safety

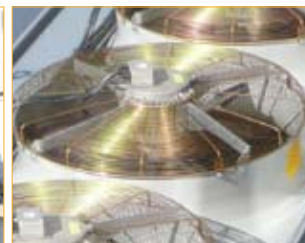
- No water recirculation
- No stagnant water conditions
- No aerosol generation
- No water carry-over



easy access coils



controls



low energy axial fans



standard truck width



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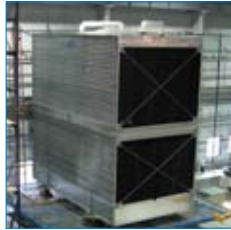
more than 70 years of experience and know-how

With thousands of successfully operating installations worldwide Baltimore Aircoil has the **application and system experience** to assist you in the design, installation and operation of your cooling equipment. Ongoing investment in research, combined with an advanced **R&D** laboratory facility, enables BAC to consistently offer new technologies and products to meet developing industry demands.

Baltimore Aircoil has a **network of highly qualified sales representatives** backed up by an experienced technical staff to ensure that each customer project is a success.



3D-design software



5000 m² R&D-test centre



selection and simulation software



testing



high quality manufacturing



on site services

With the extended product range available from Baltimore Aircoil, BAC is able to offer the most appropriate product for your particular application. Your BAC Baltimore representative is available to assist you in this evaluation.

In order to select the right solution for a specific application, a number of important parameters should be considered. Listed below are questions, which should be answered when making your choice.

about the application

- What are the design conditions (temperature, flow rate,...)?
- What are the site limitations (physical, acoustical, ...)?
- How much water can be used for cooling?
- How is maintenance and cleaning achieved and how often, in order to guarantee safe and hygienic operation?
- How much efficiency can be gained by lowering the process temperatures?

about the supplier

- What is the level of the manufacturer's service and access to original spare parts?
- Does the manufacturer have the knowledge and experience to understand my application and offer a solution considering all the needs?
- Can the manufacturer demonstrate compliance with directives and regulations?
- Who is my contact person for technical and commercial assistance?

For more information visit our website at www.BaltimoreAircoil.com or contact your BAC representative to assist you with the selection, operation and maintenance of your installation, to ensure continuous efficiency of your process.

www.BaltimoreAircoil.com
info@BaltimoreAircoil.be



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Your local contact :