



www.BaltimoreAircoil.com

TRF cooling tower

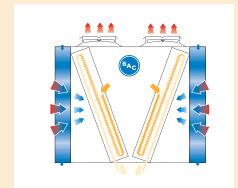
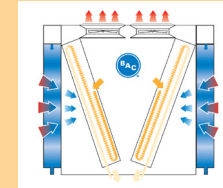
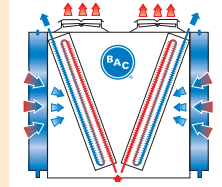
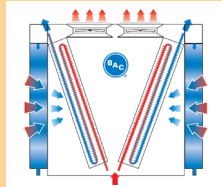
TVFC cooling tower

TRC condenser

TVC condenser



Principle of operation



Capacity

350 - 1600 kW

250 - 2000 kW

430 - 1990 kW

340 - 1030 kW

Configuration

Counterflow

Counterflow

Counterflow

Counterflow

Air entry

Axial fan
Induced draft

Axial fan
Induced draft

Axial fan
Induced draft

Axial fan
Induced draft

Maximum entering fluid temperature

60°C

60°C

Consult factory

60°C

Low sound



Energy efficiency



Easy maintenance



Operational safety (hygiene)



Water saving



Tab ADIAV11 EN © 2023 Baltimore Aircoil International nv



Adiabatic cooling products

Pioneer in adiabatic cooling technology and products

Baltimore Aircoil Company is producing and successfully installing adiabatic cooling products since 2005.

We continually lead the industry in delivering advanced, safer and better cooling technologies. Back in **2005** we pioneered launching the **first adiabatic cooler with pre-cooler pads** that guarantees high thermal efficiency and safe operation, which was immediately awarded for its innovation. Our 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**.



In Europe alone, already more than 1500 successfully installed adiabatic installations:



Adiabatic products

Adiabatic products are air-cooled coolers or condensers with adiabatic **pre-coolers**. Before the fan draws the ambient air through the finned coil, the air is pre-cooled adiabatically when traversing an **humidification pad**. This evaporates the water in the air, thus boosting the cooling capacity.

Key benefits

- low process temperatures
- saves more than 80% on annual water compared to cooling towers
- up to 40% increased capacity compared to dry cooling (air temperatures approaching wet bulb temperature)
- reduced energy consumption
- operational safety: no water recirculation, no stagnant water, no aerosol generation, no water carry-over

