

# More than 15 years of experience in Adiabatic Cooling

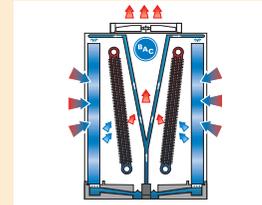
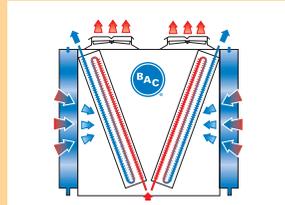
[www.BaltimoreAircoil.co.za](http://www.BaltimoreAircoil.co.za)

## TVFC cooler

## TSDC condenser



Principle of operation



Capacity

250 - 2000 kW

109 - 371 kW

Configuration

counterflow

counterflow

Air entry

axial fan induced draft

axial fan induced draft

Maximum entering fluid temperature

60°C

116,7°C

Low sound



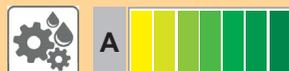
Energy efficiency



Easy maintenance



Operational safety (hygiene)



Water saving



# Adiabatic cooling products

## More than 15 years of experience in Adiabatic Cooling

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

Adiabatic products are NOT JUST air-cooled products, with an adiabatic pre-cooler in front.

Instead a properly designed, highly efficient adiabatic unit is the result of extensive testing, close cooperation with customers and multiple design improvements.

In Europe only, 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

