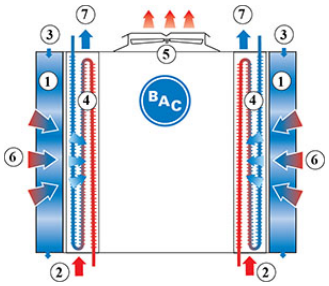
Principle of operation

Adiabatic cooling

Principle of operation

The SP SpartiumCooler is a dry cooler equipped with **adiabatic pre-coolers (1)** that cool the warm **process fluid (2)** by sensible heat transfer. **Water flows (3)** evenly over evaporative cooling pads located in front of the **dry finned coil (4)**. At the same time **axial (5) fans** draw **air (6)** through the pads where a portion of the water evaporates and cools down the saturated air. This increases the cooling capacity of the incoming air for cooling the process **fluid (7)** inside the coil.



View the animated principle of operation of the TrilliumSeries

Want to use the SpartiumCooler to cool your process fluid? Contact your local BAC representative for more information.

This file has been generated from the BAC website on: 01/02/2021
For more up to date information, visit: https://www.baltimoreaircoil.eu/en/products/SP-principle-of-operation