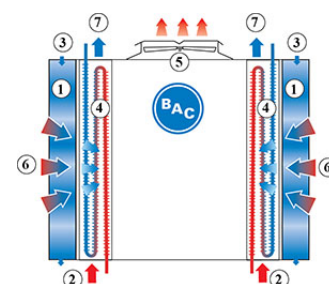


# Principle of operation

Previous generation products

## 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.