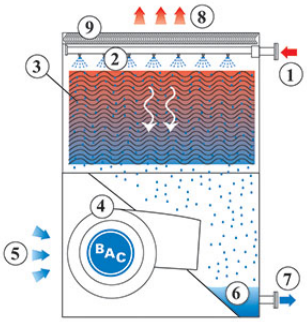
Principle of operation

Open cooling towers

Principle of operation



Warm process **water (1)** from the heat source enters the **spray system (2)** at the top of the cooling tower where it is distributed over the **fill** or heat transfer media **(3)**. At the same time, the **centrifugal fan (4)** of the air movement system, located at the bottom of the cooling tower, blows ambient **air (5)** upwards through the tower. While the warm process water contacts the cold air the latter heats up and part of the process water is evaporated resulting in an optimal heat transfer. The tower **sump (6)** or basin collects the **cooled water (7)** after which it returns to the heat source of the process. The warm saturated **air (8)** leaves the tower through **the drift eliminators (9),** which remove water droplets from the air.

Want to use the VT0/1 cooling tower to cool your process water?
Contact your local BAC representative for more information.

This file has been generated from the BAC website on: 28/03/2024
For more up to date information, visit: https://www.baltimoreaircoil.eu/en/products/VT0-1-principle-of-operation