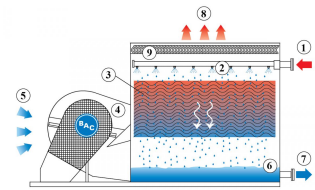


# Principle of operation

## 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)** 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 which removes the heat from the remaining water. 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 VTL-E cooling tower to cool your proces water?**

Contact your local [BAC representative](#) for more information.