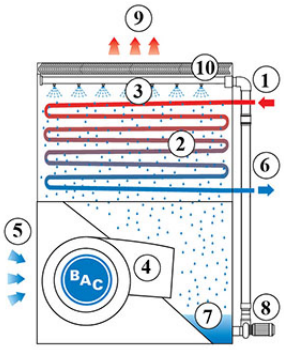
Principle of operation

Closed circuit cooling towers

Principle of operation

Warm process **fluid (1)** enters through a **heat exchange coil (2)** and gets water sprayed on by the **spray system (3)** at the top of the cooling tower. At the same time the **centrifugal fan (4)**, located at the bottom of the unit, blows ambient **air** upwards **(5)** through the tower. During operation, heat is transferred from the internal circuit coil to the water, and then to the atmosphere as a portion of the water that evaporates. The cooled down fluid then **exits the unit (6)**. The tower **sump (7)** or basin collects the remaining water. The spray water **pump (8)** recirculates the water up to the water spray system. The warm saturated **air (9)** leaves the tower through the drift **eliminators (10)** , which remove water droplets from the air.



You want to use the VXI cooling tower to cool your process fluid?
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/VXI-principle-of-operation