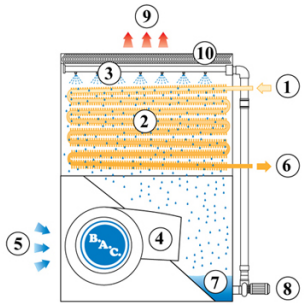
Principle of operation

Refrigerant condensers

Principle of operation

Vapor (1) enters through a **evaporative condensing coil (2)** and gets water sprayed on by the **spray system (3)** at the top of the condenser. At the same time the **centrifugal fan (4)**, located at the bottom of the unit, blows ambient **air (5)** upwards through the condenser. 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 condensed vapor then **exits the unit (6)**. The **sump (7)** or basin collects the water. The spray water **pump (8)** recirculates the water up to the water spray system. The warm saturated **air (9)** leaves the condenser through the drift **eliminators (10)** , which remove water droplets from the air.



Interested in the VXC condenser? Contact your local BAC representative for more information.