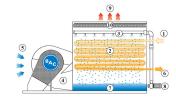


## Principle of operation

## 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) blows ambient air upwards (5) 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 (6) then exits the unit. The tower 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 tower through the drift eliminators (10), which remove water droplets from the air.



**Interested in the VCL condenser?** Contact your local <u>BAC representative</u> for more information.