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 <u>BAC</u> <u>representative</u> for more information.

