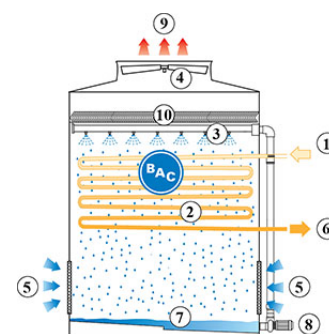


# Principle of operation

## Refrigerant condensers

### Principle of operation

The **vapour (1)** circulates through a **condensing coil (2)**, which is wetted by a **spray system (3)**. An **axial fan (4)** draws **air (5)** over the coil. The evaporation process condenses the vapour into **liquid (6)**. The spray water falls into the sloping **water basin (7)** or sump. The **spray pump (8)** recirculates the water to the top of the unit. The **warm saturated air (9)** leaves the condenser through the **drift eliminators (10)** which remove water droplets from the air.



Interested in the PCE condenser? Contact your local [BAC representative](#) for more information.