

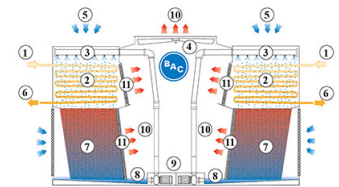
# Principle of operation

## Refrigerant condensers

### Principle of operation

The CXV-D combines the use of evaporative condensing coil with integrated fill packs for cooling down the recirculating spray water.

The **vapour (1)** circulates on both sides of the unit through a **condensing coil (2)**, which is wetted by a **spray system (3)**. In parallel with the water spray flow, **axial fans (4)** draw **air (5)** over the coils. The evaporation process condenses the vapour into **liquid (6)**. The spray water falls onto **fill packs (7)** where it is cooled before falling into the sloping **water basins (8)** or sumps. The **spray pumps (9)** recirculate the cooled water to the top of the unit. The **warm saturated air (10)** leaves the tower through the **drift eliminators (11)**.



**Interested in the CXV-D condenser?** Contact your local [BAC representative](#) for more information.

## Downloads

- [Combined Flow Technology](#)