

## Principle of operation

## Refrigerant condensers

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The CXVE combines the use of an evaporative condensing coil with an intergrated fill pack for cooling down the recirculating spray water. The vapour (1) circulates through a condensing coil (2), which is wetted by a spray system (3). In parallel with the water spray flow, an axial fan (4) draws air (5) over the coil. The evaporation process condenses the vapour into liquid (6). The spray water falls onto a fill pack (7) where it is cooled before falling into the sloping water basin (8) or sump. The spray pump (9) recirculates the cooled water to the top of the unit. The warm saturated air (10) leaves the tower through the drift eliminators (11) which remove water droplets from the air.

You want to use the CXVE condenser to cool your process fluid? Contact your BAC representative or use the <u>information request</u> form and tell us how we can help you.

