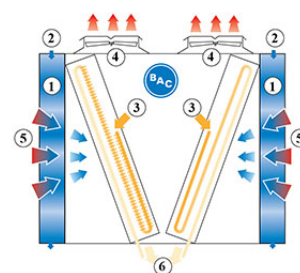


# Principle of Operation

## Adiabatic cooling

### Principle of Operation

The TVC is a V-shaped condenser with **adiabatic pre-coolers (1)**. **Water flows (2)** evenly over the pads located in front of the **dry finned coil (3)**. At the same time **axial fans (4)** draw **air (5)** through the pads where a portion of the water evaporates and cools down the saturated air. This increases the cooling capacity of the incoming air and condenses efficiently the **vapour (6) into liquid** inside the coil.



**Interested in the TVC TrilliumSeries condenser for your refrigeration project?** Contact your local [BAC representative](#) for more information.