The K°Flex combines the advantages of shell-and-tube and plate heat exchangers in a single apparatus. This makes it predestined for the most varied applications: e.g. as a condenser in the power station sector, as a plate-type falling-film evaporator in the sugar industry, as a condenser, evaporator and heat exchanger for the thermal treatment of 2-phase mixtures in the chemical and petrochemical industries as well as in the oil and gas industry.

Thanks to its customisable design it is equally successful when used as a head condenser. The plate structure enables a high output density. Efficient, turbulent heat transfer is already possible at minimal temperature differentials and varying volume flows. Even in the case of a large volume flow, the loss of pressure at the tube is minimal. In comparison with previous solutions, the effort involved in cleaning is clearly reduced.

**ADVANTAGES**

- HIGH CONDENSATION OUTPUT UP TO 200 MW
- MINIMAL PRESSURE LOSS
- VARIABLE TEMPERATURE LIMITS UP TO 650°C
- VARIABLE PRESSURE LIMITS UP TO 100 BAR
TECHNICAL FEATURES

**FROM VACUUM TO 100 BAR**

- Compact size | lower weight
- Modular design
- High heat transfer values
- Low pressure drops
- High flow rates
- Designed for high differential pressures on the wave side
- Fluids with particles can be handled

**MODULAR DESIGN**

**K°FLEX OVERHEAD CONDENSER**

- Asymmetric plates with tube and wave-shaped channels
- In the tube channels vapour mixtures can be condensed even under higher vacuum conditions
- The housing can be designed for full integration into the distillation column or as a stand-alone unit
- Very efficient thermal design based on balanced ratio between heat transfer and pressure loss.