EVALED RV C is a range of high capacity mechanical vapor recompression evaporators designed with a falling film heat exchanger to maximize thermal recovery.

The RV C line is designed to obtain:
- water separation and possible reuse from water-based solutions at medium concentration
- concentration of heat sensitive liquids with possible product recovery
- disposal cost reduction
- pre-concentration before crystallization

High quality of recovered water, suitable for reuse
Minimum energy consumption
Suitable for heat sensitive products
Skid mounted, modular and flexible, short delivery time
Large capacity with a small footprint
Fully automatic, minimal manpower
Constant monitoring by remote control
User-friendly (intuitive HMI)

Veolia Water Technologies Italia
Via Pra’ di Risi, 3 • 33080 Zoppola (PN) • Italy
tel. +(39) 0434 516311 • fax +(39) 0434 516310
www.evaled.com
Process diagram
How does EVALED RV C work?

High efficiency heat transfer with a falling film heat exchanger allow to concentrate low scaling and even heat sensitive solutions thanks to the short residence time in the heating zone.

Minimum energy consumption and operating with mechanical vapour recompression technology.

Wastewater is constantly treated: distillate and concentrate are separated in continuous and then simply discharged through a pump after cooling down for heat exchange with the entering wastewater.

Electrical specific consumption: 26 - 30 kWh/ton

Available models
Daily capacities

| RV C 200 | 150-200 ton/day | 45000-65000 ton/year |

The RV C line is available in different materials to treat different effluents containing dissolved salts, organic compounds. It is ideal as a pre-concentration step in ZLD projects. Typical application sectors:

- Chemical
- Food & Beverage
- Waste (Collectors, Incinerators, Landfills)
- Power
- Mining & Primary Metals

Service Optional

**EVA life**

Your technology. Always powerful.
The program which makes your unit perfectly performing for its entire life.

- **EVA Clean**
  Automatic Washing System
- **EVA Link**
  Remote Control
- **EVA Lab**
  Analysis
- **EVA Heart**
  Maintenance