

EVALED®

Mechanical vapor
recompression (MVR)
natural circulation
evaporators

RV N

3

6



CO₂
footprint



Low running costs

low energy consumption
and minimum
maintenance.

Treatment of oily effluents

specifically designed to treat
oily wastewater.

Benefits

EVALED RV N is a new range of energy efficient MVR natural circulation evaporators dedicated to oily wastewater minimization and water recycling.

Designed for oily wastewater treatment in the mechanical and surface treatments segments, these evaporators can easily separate water from non aggressive wastewater containing oil, heavy metals and dissolved salts.

- High quality of recovered water suitable for reuse
- Very low energy consumption
- Modular and flexible
- Short delivery time
- Skid mounted (small footprint) and ready to use (plug & play)
- Fully automatic
- Minimal manpower
- Constant monitoring by remote control
- User-friendly (intuitive HMI)

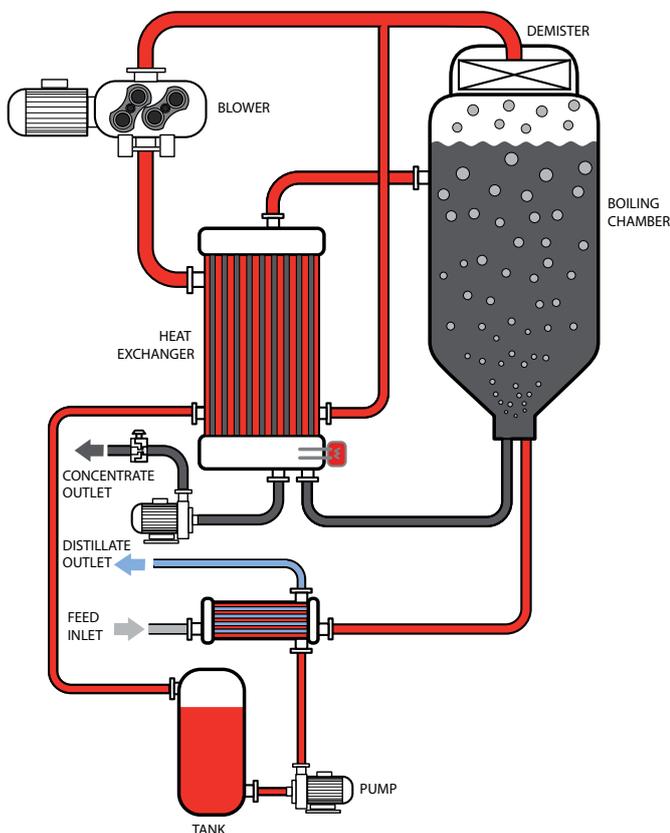
Process diagram

How does EVALED RV N work?

High efficiency heat exchanger with vertical tubes and natural circulation.

Low energy consumption and operating in batch mode: the wastewater is treated in continuous, as well as the distillate is continuously separated and discharged. As soon as the final concentration is achieved, the residue is completely discharged. Wastewater is refilled and a new treatment cycle starts.

Electrical specific consumption:
45 - 50 kWh/m³ (0.17 - 0.19 kWh/gal)



Available models

Distillate production capacities

RV N 3	2-3 m ³ /day	0.4 - 0.5 gpm
RV N 6	5-6 m ³ /day	0.9 - 1.1 gpm

This new product is targeted to a specific industry:

Mechanical & Surface Treatments

Automotive, Aviation, Furniture, Appliances,
Medical Devices, Micromechanics,
Other Mechanical Parts Manufacturing.

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

Hydrex

In case of foaming effluent, Ehaled evaporators are designed to be operated with Hydrex antifoams.