

# EVALED RV N

## Mechanical vapor recompression (MVR) natural circulation evaporators

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.

This new product is targeted to a specific industry:

### Mechanical & Surface Treatments:

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

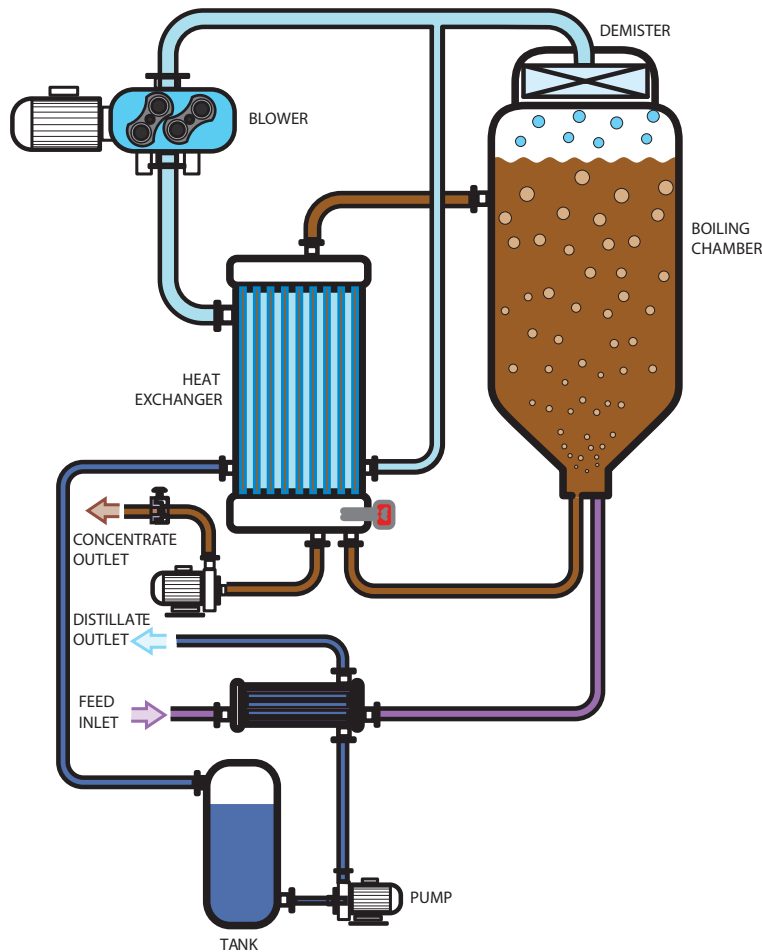
## BENEFITS

- 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
- Complete necessary instrumentation and remote control
- User-friendly (intuitive HMI)

**Low running costs  
allow a return on  
investment often  
measured in months.**



## Process Diagram. How does RV N work?



High efficiency heat exchanger with vertical tubes and natural circulation.

Low energy consumption 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/ton**

## AVAILABLE MODELS

- |          |             |                      |
|----------|-------------|----------------------|
| • RV N 3 | 2-3 ton/day | 800-1000 ton / year  |
| • RV N 6 | 5-6 ton/day | 1500-2000 ton / year |

## EVA-life

**Your technology. Always powerful.**

The program which makes your unit perfectly performing for its entire life.



### EVA-Clean Automatic Washing System

The integrated chemical cleaning system allows a considerable reduction of maintenance and a complete reliability of the unit.



### EVA-Link Remote Control

The remote control access allows immediate support and troubleshooting, periodical unit check-up, report and parameters optimization, periodical back-up of the unit data and software modification.



### EVA-Lab Analysis

Inlet effluents analysis allows the client to be aware of effluent changes, if any, and to optimize the results by resetting the unit.



### EVA-Hearth Maintenance

Blower replacement and quick interventions to keep the unit at the top of its performances, reducing downtime and optimizing time schedules for maintenance.

**Hydrex**

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

SERVICE OPTIONAL