

EVAPORATORS MODEL ECOCR



Evaporation systems with heat pump type scraped



APPLICATIONS

Surface Treatment
Die Casting
Oily emulsions
Landfill leachate treatment
Zero liquid discharge

INTRODUCTION

The ECOCR equipment is an evapo-concentrator scraped with heating jacket for the treatment of water based liquids. The scraped heating jacket allows the transition from the

evaporation to the crystallization phase.

EVAPORATION

Evaporation is a process that starts from a diluted solution and produces distillate water and a concentrate solution. The evaporation process produces clean water from any water solution. The distillate

water has a low conductivity that generally can be reused in production processes. The concentrated solution can be reuse in production processes, if permitted, or disposed as concentrated waste.

CRYSTALLIZATION

The ECOCR equipment is designed to exceed the solubility limit, with the possibility to obtain the crystallization due to external heating and the cleaning system, scraping type, of the warming surface.

TREATMENT FOAM

The foam is handled automatically by the sensor that activates the defoamer dosing.

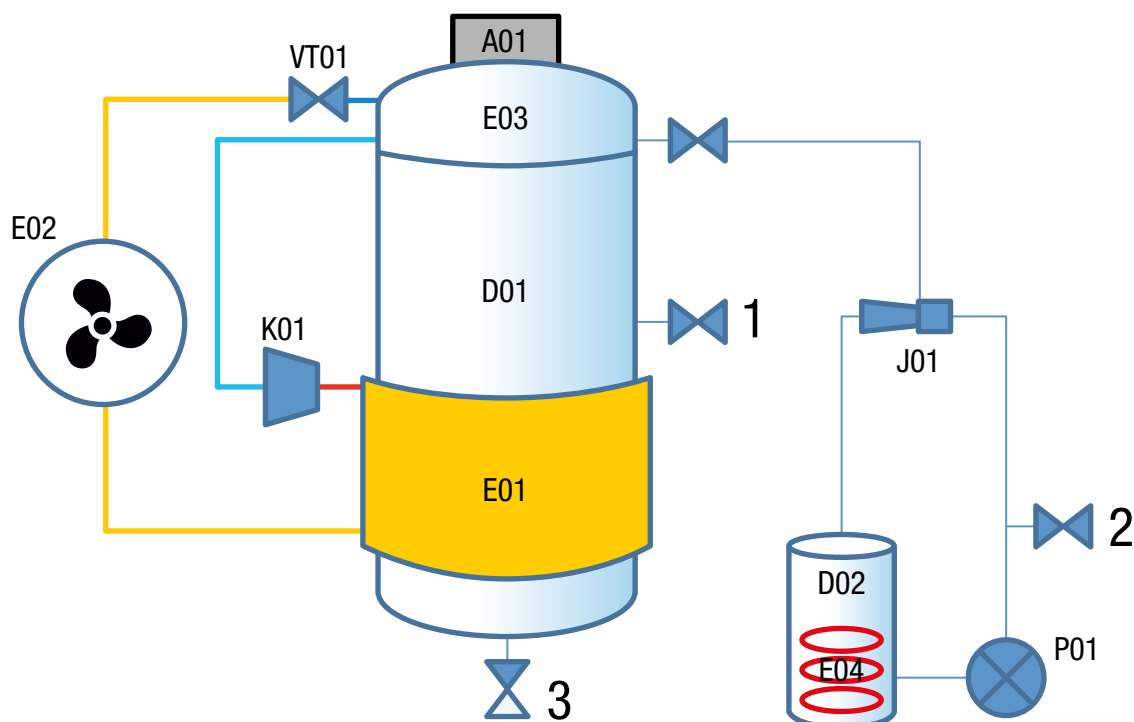
OPERATING COST

ECOCR uses electrical energy, the specific energy needed is 200-220 watts / liter.



MODEL	DAILY PRODUCTION [l/day]	HOUR PRODUCTION [l/h]	POWER [kW]
ECO-CR-150	150	7 (24h/24)	2.5
ECO-CR-500	500	20 (24h/24)	6
ECO-CR-750	750	32 (24h/24)	8
ECO-CR-1000	1.000	41 (24h/24)	10
ECO-CR-1500	1.500	60 (24h/24)	25
ECO-CR-2000	2.000	80 (24h/24)	15

* Specific technical information on demand



ACCESSORIES

- Foam control system
- Antifoam dosing system
- Density control system
- Refrigeration Control
- Concentrate transfer system
- Salt filtration system
- Internet link

CONSTRUCTION MATERIALS

- AISI 316 L/Ti
- Special

