

LOW ENERGY CONSUMPTION
AND LOW CO₂ FOOTPRINT SYSTEMS
TREATING INDUSTRIAL WASTEWATER.



TECHNICAL PERFORMANCES

PC F SERIE:

Heat pump vacuum evaporators with forced circulation and external shell and tube heat exchanger

NOMINAL PRODUCTION OF DISTILLATE	From 0,7 to 24 tons/day
EVAPORATION CONDITIONS	Absolute pressure from 6-9 kPa. Temperature 30-47°C (86-116°F)
ELECTRICAL SPECIFIC CONSUMPTION PER LITER OF DISTILLATE	From 180 to 135 [Wh/l] ± 10%

PC R SERIE:

Heat pump vacuum evaporators with a scraped system and a heating jacket exchanger

NOMINAL PRODUCTION OF DISTILLATE	From 0.1 to 2 tons/day
EVAPORATION CONDITIONS	Absolute pressure from 3-9 kPa. Temperature 25-50°C (77-122°F)
ELECTRICAL SPECIFIC CONSUMPTION PER LITER OF DISTILLATE	From 380 to 130 [Wh/l] ± 10%

AC F SERIE:

Hot/cold water evaporators with forced circulation and external shell and tube heat exchanger

NOMINAL PRODUCTION OF DISTILLATE	From 30 to 60 tons/day
EVAPORATION CONDITIONS	Absolute pressure from 4-30 kPa. Temperature 30-70°C (86-158°F)
ELECTRICAL SPECIFIC CONSUMPTION PER LITER OF DISTILLATE	From 17 to 12 [Wh/l] ± 10%

AC R SERIE:

Hot/cold water evaporators with scraped heating jacket

NOMINAL PRODUCTION OF DISTILLATE	From 3 to 12 tons/day
EVAPORATION CONDITIONS	Absolute pressure from 4-30 kPa. Temperature 35-70°C (95-158°F)
ELECTRICAL SPECIFIC CONSUMPTION PER LITER OF DISTILLATE	From 60 to 21 [Wh/l] ± 10%

RV F SERIE:

Forced circulation MVR evaporators

NOMINAL PRODUCTION OF DISTILLATE	From 10 to 120 tons/day
EVAPORATION CONDITIONS	Absolute pressure from 70 kPa. Temperature 90°C (194°F)
ELECTRICAL SPECIFIC CONSUMPTION PER LITER OF DISTILLATE	From 55 to 40 [Wh/l] ± 10%

RV N SERIE:

Natural circulation MVR evaporators

NOMINAL PRODUCTION OF DISTILLATE	From 3 to 6 tons/day
EVAPORATION CONDITIONS	Absolute pressure from 60 kPa. Temperature 87°C (188°F)
ELECTRICAL SPECIFIC CONSUMPTION PER LITER OF DISTILLATE	From 55 to 47 [Wh/l] ± 10%

RV C SERIE:

Falling film MVR evaporators

NOMINAL PRODUCTION OF DISTILLATE	200 tons/day
EVAPORATION CONDITIONS	Absolute pressure 60-70 kPa Temperature 80-90°C (176-194°F)
ELECTRICAL SPECIFIC CONSUMPTION PER LITER OF DISTILLATE	26 [Wh/l] ± 10%

In compliance with standards: (CE marking) | Machinery Directive | Electromagnetic compatibility | Electrical safety | PED Pressure machinery equipment



FEATURES & BENEFITS

- Three different evaporation technologies to fit any water treatment need:
- PC series: Heat pump - Flexibility, low energy consumption
 - AC series: Hot/cold water - When heat surplus is available (cogeneration)
 - RV series: Mechanical vapor recompression
- For large flow rates and operational costs minimization.

Flow rates
0,7 to 200 tons/day

APPLICATIONS

FOOD & BEV	PULP & PAPER	MINING	POWER	COSMETICS	PHARMA
WW	WW	WW	WW	WW	WW

DW: Drinking Water - PW : Process Water - WW: Wastewater

BENEFITS

- Modular and flexible
- Skid mounted
- Standard units
- Short delivery time
- Fully automatic
- Low maintenance
- High quality distillate
- High yield and ZLD

RELATED SERVICES

Local after-sales service and support teams offer preventative and corrective maintenance programs to ensure a long-term and efficient operation.

