

EVALED® EVAPORATION TECHNOLOGY

PROVEN TO REDUCE WATER COSTS OF UP TO 99%



Evaporation technology:
the valuable and natural solution.

WATER TECHNOLOGIES

Evaporation Solutions for Industrial Water & Wastewater Treatment

Backed by the **PRAB Difference**



EVALED EVAPORATION TECHNOLOGY

REDUCE WASHWATER & DETERGENT COST UP TO 75%

Evaporation is not only a natural phenomenon, but also a clean separation technology that has been recognized as a Best Available Technique in several wastewater treatment processes.



EVALED® Evaporators are Industrial Systems that Accelerate the Natural Evaporation Process

Evaled evaporators are fully automatized, standardized, modular units that are low in energy consumption and have a low CO2 footprint. Capacities range from 1 to 200 tons per day (43-53,000 gpd) of distillate from wastewater treatment.

These highly reliable evaporators are effective in reducing wastewater volume and producing a high quality, reusable distillate (ZLD). They are an effective solution for concentrating and removing salts, heavy metals and a variety of hazardous components. All evaporators undergo a Factory Acceptance Test (FAT) with water before shipment.

In the past 2 years PRAB has provided equipment that saved customers nearly \$2.6 million annually by repurposing their wastewater for reuse or sending to sewer.

Benefits of EVALED®

- Disposal cost reduction
- Wastewater volume reduction
- Water recycling and reuse
- Valuable components recovery
- High outlet quality
- ZLD (Zero Liquid Discharge)
- High level of automation
- Option for remote control
- Quality certification (ISO 9001/2008)

Contact us to **request a quote** today

Phone: 1-800-968-7722 | Email: sales@prab.com | Website: prab.com

EVALED EVAPORATION TECHNOLOGY

NO AIR EMISSIONS—EVER

Evaled Range & Models

Three different evaporation technologies can be adapted to suit our clients' water treatment needs.

PC heat pump	AC hot cold water	RV mechanical vapour recom- pression
<ul style="list-style-type: none">- Energy sources: electricity- Vacuum condition- Low boiling temperature- Recovery of heat-sensitive products- Good distillate quality<ul style="list-style-type: none">- Low fouling- Low corrosion- Low capacity	<ul style="list-style-type: none">- Useful when thermal energy and cold water are available at a low cost (cogeneration)	<ul style="list-style-type: none">- Energy source: electricity- Useful to treat high volume of wastewaters- High energy savings
MODELS: F 0.7, F 1.4, F 2.4, F 4, F 6, F 8, F 12, F 24 R 0.1, R 0.5, R 1, R 2	MODELS: F 20, F 40, F 60-2 R 3, R 6, R 12	MODELS: F 15, F 40, F 60, F 120 N 3, N 6 C 200



See Proven Results at prab.com

Phone: 1-800-968-7722 | Email: sales@prab.com | Website: prab.com



FULL SPECTRUM INDUSTRIAL WATER & WASTEWATER TREATMENT SYSTEMS

More Than 3,000 Units Installed Worldwide

Markets & Applications:

- Mechanical & surface treatments (automotive, aviation, appliances, parts for furniture)
- Healthcare (pharma, cosmetics)
- Chemical
- Waste, biogas, biofuels
- Photovoltaic & microelectronics
- Food & beverage
- Graphic arts
- Power
- Oil & gas
- Mining & primary metals
- Other industrial processes



Materials

Evaled is designed with the most suitable materials in order to safely treat aggressive liquids. Resistance to corrosion is a primary feature of every Evaled evaporator, essential when dealing with extremely concentrated liquids.

Austenitic Stainless Steel

Uses: alkaline liquids, acidic liquids (pH>4) with a low percentage of chlorides, oil emulsions, liquids from flexographic printing.

Nickel Alloy

Uses: very acidic liquids (pH>2) with high content of chlorides, fluorides and metal, anodizing wastewater, special applications.

Superduplex Stainless Steel

Uses: acidic liquids (pH>3) with high chlorides and metals content, galvanic wastewater, landfill leachate.

Silicon Carbide (SiC) – PC Type Only (KT-Series)

Uses: pickling wastewater, chromic acid recovery, aggressive liquids.



A true performance guarantee ensuring your PRAB equipment achieves the specific results it was designed and manufactured to deliver. And if you need technical support, call us. We are available 24/7.

Contact us to **request a quote** today

5801 East N Avenue, Kalamazoo, MI 49048

Phone: 1-800-968-7722 | Email: sales@prab.com | Website: prab.com

