





Technology

Evaled vacuum evaporators are an effective fluid waste management solution for concentrating wastewater volumes, removing pollutant substances and producing high quality, reusable distillate (ZLD).

This industrial evaporation system is fully automatized. Modular units are low in energy consumption with low CO2 footprint.



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For more information visit our website www.evaled.com

Benefits

disposal cost reduction wastewater volume reduction high quality outlet for recycling and reuse by-products recovery ZLD (Zero Liquid Discharge)

Specifications

skid-mounted modular units highly automated, 24/7 operation ready to use (Plug & Play) monitoring by remote control minimum maintenance quality certification ISO 9001/2015

Reliability

All evaporators undergo a Factory Acceptance Test (FAT) with water before shipment.

EVALED[®] Evaporation Leadership since 1978

An effective ready-to-market solution for concentrating and removing salts, heavy metals and a variety of hazardous components.





KEYWORDS

Reliability, effectiveness in wastewater volume reduction, high quality distillate, water reuse (ZLD).

EVALED_®

Three different evaporation technologies operating in under vacuum close loop systems to meet your water treatment needs.

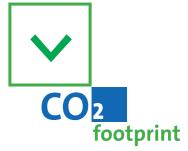
Wastewater treatment units with distillate production capacities from 0.1 to 200 m3/day (0.02 - 37 gpm).

SERIES		specifications	MODE	MODELS m3/day								
Heat pump	EVALED	Designed to offer flexibility and superior reliability · low boiling temperature · recovery of heat- sensitive products	F	0.7	1.4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		6	8	12	24	
		 good distillate quality low fouling and scaling 	R	0.1	0.5	1	2					
Hot/cold water		Ideal when waste thermal energy and cold water are available on site (cogeneration) • high concentration levels • available in single and multiple effect • engineered to work in either continuous or batch mode	F	20	40	60						
			R	3	6	12						
Mechanical vapour recompression		Engineered for the treatment of large wastewater flowrates • very low energy consumption • high efficiency	F	10	15			60				
			N	3	6							

EVALED_®

Industries and applications

Healthcare (Pharma, Cosmetics) Chemicals & Detergents Waste (Incineration, Landfill, Collectors) Biogas & Biofuels
Chemicals & Detergents Waste (Incineration, Landfill, Collectors)
Waste (Incineration, Landfill, Collectors)
Piogas & Diofuels
diugas & divineis
Photovoltaic & Microelectronics
Food & Beverage
Graphic Arts
Power
Oil & Gas
Mining & Primary Metals
Other industrial processes (Textile, Pulp & Paper, etc.)



Veolia Water Technologies Italia has a firm commitment to reduce the CO₂ emissions of its technological offer. Careful analysis enable to calculate the CO₂ emissions of EVALED solutions.

Contact us for a customized Carbon Footprint Assessment. www.evaled.com

Service Optional **EVA life**

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

EVA Clean Automatic Washing System
EVA Lab Analysis
EVA Time Warranty Extension
EVA Link Remote Monitoring
EVA Heart Blower Maintenance
EVA Parts Spare parts ready from stock
EVA Maintenance Regular Service Pack
EVA Top Full Service Pack

Fit-for-purpose materials

	The ultimate manufacturing materials to treat even the most aggressive effluents	Veolia has worked toge centers in order to sele treat aggressive liquid Resistance to corrosion evaporator, essential w concentrated liquids.						
	Austenic stainless steel	Austenic weakly bound st The low percentage of ca of intergranular corrosio Uses: alkaline liquids, act of chlorides (e.g., oil emu						
	Superduplex stainless steel	Austenic-ferritic structure The high percentage of c to localized corrosion. Uses: acidic liquids (pH> (e.g., galvanic wastewate						
	Nickel alloy	High flexibility Cr-Ni-Mo The low carbon content of of carbides when zones a It has excellent resistance and reducing environme Uses: very acid liquids (p and metal (e.g., anodizin						
	Silicon Carbide (SiC) PC type only (KT-Series)	Chemically inert material It is usually matched wit a fluoride co-polymer use of the boiling chamber. Uses: aggressive liquids recovery).						

Evaporation Leadership since 1978

together with renowned materials research select the most suitable materials to safely juids. sion is a strong feature of every Evaled al when dealing with extremely ds. nd structure, non-hardening, non-magnetic. of carbon in this alloy reduces the risk osion at high temperatures. s, acid liquids (pH>5) with a low percentage emulsions, liquids from flexographic printing). cture, magnetic. of chromium gives excellent resistance pH>4) with high chlorides and metals content water, landfill leachate). -Mo steel. ent ensures resistance to the formation nes are exposed to thermal variation. tance to localized corrosion, both in oxidizing nments, even at high temperatures. ds (pH<3) with high content of chlorides, fluorides dizing wastewater, special applications). terial resistant to almost all agressive substances. with another chemically inert material, PTFE, er used for coating the inner surfaces

uids (e.g., pickling wastewater, chromic acid

Resourcing the world

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