



IWE Industrial Water Evaporators

HIGH-EFFICIENCY VACUUM ADVANCED EVAPORATORS CONCENTRATORS

#CostReduction

#SaveWater

#ReuseWater



PAYBACK
even less than
1 YEAR

EASY CLEANING

Lab
IWE Service & Testing Session



- **WASTE REDUCTION OF UP TO 99%**
- **SIGNIFICANT SAVINGS ON DISPOSAL COSTS**
- **QUICK AND EASY MAINTENANCE**
- **COMPLEX WASTE TREATMENT**



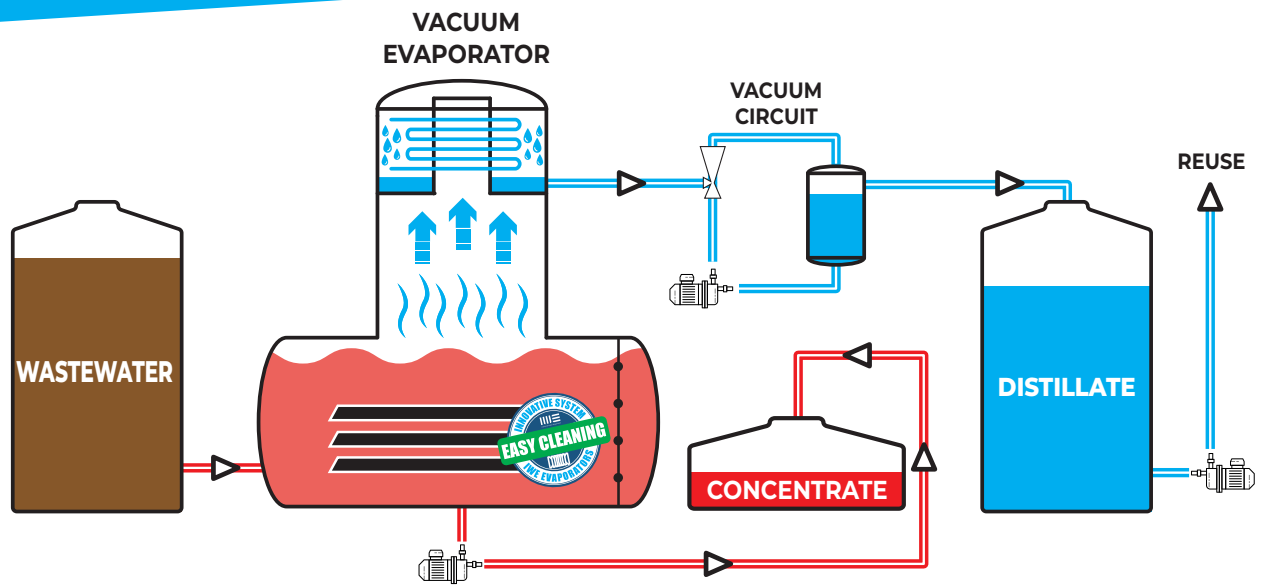
IWE Industrial Waters Evaporators designs and manufactures systems for the evaporation and concentration of water-based solutions, including ATEX versions, and bases its creations on the experience of its technicians, who have been producing and installing energy-efficient evaporators and vacuum concentrators since 1982, for use in a wide range of industrial sectors.



MAXIMUM PERFORMANCE WITH LIMITED ENERGY COSTS AND MINIMAL OPERATING COSTS

- HIGH CHEMICAL RESISTANCE
- MAXIMUM RELIABILITY
- INNOVATIVE INTERNAL CLEANING SYSTEM
- EASY OPENING

- CONCENTRATION
- SEPARATION BY EVAPORATION
- PRODUCT VALORISATION
- RECOVERY OF AQUEOUS SOLUTIONS



WASTEWATER REDUCTION UP TO 99%

With advanced IWE vacuum evaporators, the amount of waste can be drastically reduced (by up to 99%) compared to the original volume, resulting in significant savings on disposal costs.



MULTIPLE ADVANTAGES

HIGH RESISTANCE TO CHEMICALS

EXCLUSIVE SYSTEM FOR AUTOMATIC CLEANING

INNOVATIVE HEAT EXCHANGERS

EASY ACCESS TO THE BOILING SECTION



SOME FIELDS OF APPLICATION

DIGESTATE	MECHANICAL	GALVANIC	REVERSE OSMOSIS
DIECASTING	LANDFILL LEACHATES	THERMAL TREATMENTS	CHEMICAL AND PHARMACEUTICAL
FOOD	NATURAL FLAVOUR CONCENTRATION	INDUSTRIAL PAINTING	RUBBER VULCANISATION



- **REDUCTION OF HIGH SALT CONTENT WASTEWATER**
- **TESTING WITH PILOT PLANTS**
- **REMOTE CONTROL PLC**

The risk of heat exchanger fouling is a real and recurring problem caused by the deposit of substances with limited solubility.

Traditional immersed coil or tube bundle heat exchangers, due to the extremely small space between the exchange surfaces, do not allow for easy removal of deposits and create considerable inconvenience in cleaning and maintenance activities.

IWE, on the other hand, has designed innovative heat exchangers with an 'immersed plate' system characterised by large spaces between the plates and a special opening in the evaporation boiler via a quick-opening door instead of the traditional flanged closure.

This makes cleaning the exchangers extremely easy and quick, drastically reducing machine downtime to restore maximum efficiency.



TYPE OF PLANTS

ELECTRIC ENERGY



HEAT PUMP

Advanced vacuum evaporation plants with exclusively electrical power supply.

TREATMENT CAPACITY
from 5 to 4.000 litres/hour

ENERGY REQUIREMENTS
Mono-effect Double-effect
140 Wh_{el}/l **95 Wh_{el}/l**

THERMAL ENERGY

HOT WATER or STEAM

Advanced vacuum evaporation plants with exclusively thermal power supply (also from heat recovery or cogenerators)

TREATMENT CAPACITY
from 100 to 12.000 litres/hour

ENERGY REQUIREMENTS
Mono-effect Doppio-effect Triplo-effect
600 Kcal/l **300 Kcal/l** **200 Kcal/l**



SPECIAL VERSIONS

EVAPORATORS EQUIPPED WITH AUTOMATIC REMOVAL OF DEPOSITS



EVAPORATORS EQUIPPED WITH CASING FOR OUTDOOR INSTALLATIONS



EVAPORATORS EQUIPPED WITH SILICON CARBIDE EXCHANGERS FOR EXTREMELY CORROSIVE LIQUIDS



IWE S.r.l.

Via A. Gramsci, 44
20048 Pantigliate (Milan · ITALY)
T. +39.02.9535.8377
info@iwe-evaporators.com
www.iwe-evaporators.com



Certificate Number 39062253/IT

