

Multiple-Effect Liquid Evaporator

This industrial evaporator efficiently concentrates liquids through multiple evaporation stages, reducing energy consumption. The system, made of stainless steel, is suitable for chemical, food, and wastewater processing.



Overview

Industrial Evaporation Solution

This multiple-effect evaporation device is engineered for highly efficient liquid concentration across diverse industrial sectors. By utilizing a series of interconnected evaporation stages, the system significantly reduces overall energy consumption compared to single-stage units. Constructed from durable stainless steel, it is designed for reliability in demanding environments such as chemical processing, food production, and wastewater treatment.

Design & Construction

Material

Stainless Steel

System Components

- Vertical cylindrical vessels
- Interconnecting vapor piping
- Maintenance platforms
- Access ladders

Applications

Suitable Industries

Chemical Processing, Food Processing, Wastewater Treatment

Performance

Efficiency Strategy

Multi-stage vapor transfer to reduce energy consumption