

SUNSSSE

MEFFE

Multi-Effect Falling Film Evaporator

Energy recovery and **Evaporation optimization** are Sunsse's specialties.

Each Sunsse evaporator system is carefully configured, and through precise calculations and careful design every time, we strive to provide customers with the most reliable performance and economical consumption of evaporation solutions

Falling Film

A Multi-Effect Falling Film Evaporator (MEFFE) is an advanced type of falling film evaporator system that uses multiple stages (or “effects”) in series to maximize energy efficiency during the evaporation process. It is widely used in industries such as food, pharmaceuticals, sugar, starch, and chemicals.

One of the **EARLIEST EVAPORATOR** manufacturer in **China**

Major Features of Multi-Effect Falling Film Evaporators:

Energy Efficiency

Reuses vapor energy across multiple effects, significantly reducing steam use.

Low Residence Time

Short contact time between liquid and heat, ideal for heat-sensitive products.

Low Temperature Difference

Efficient operation with minimal thermal degradation.

Thin Film Operation

Liquid flows as a thin film down tubes, promoting rapid and uniform evaporation.

Low Pressure Operation

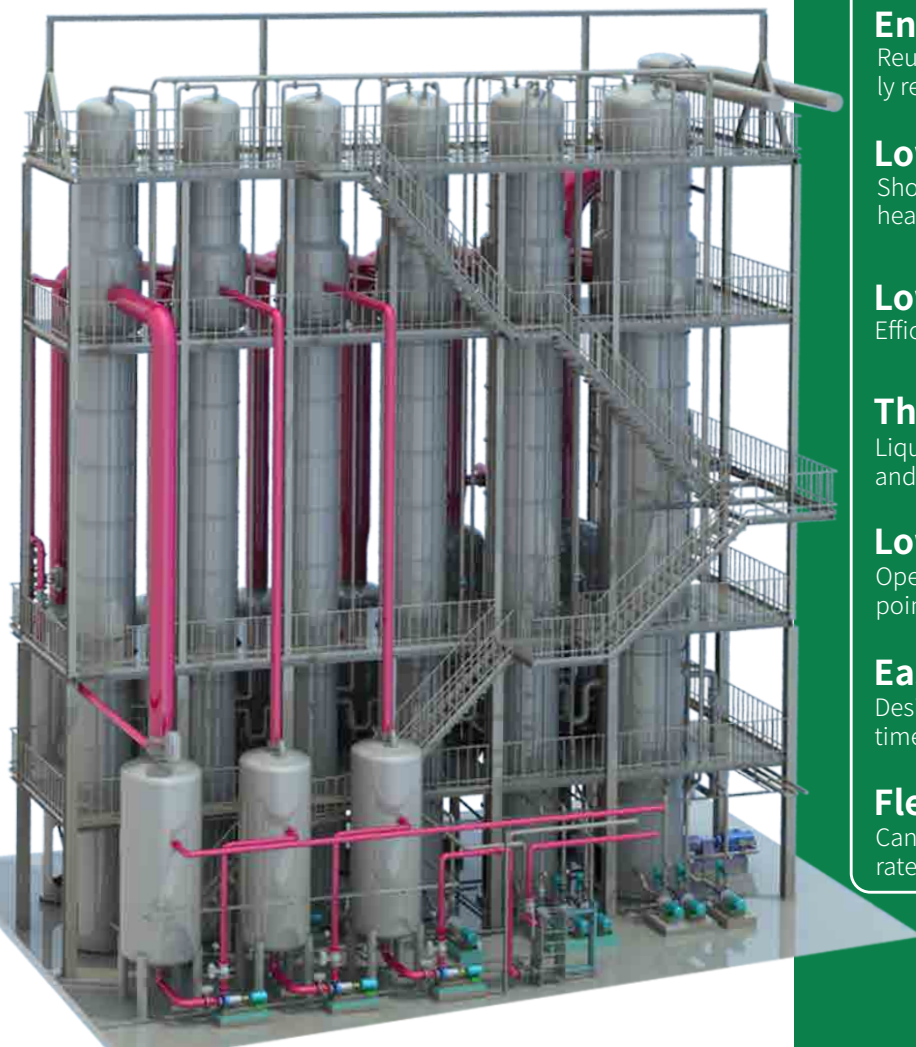
Operates under vacuum in later effects to lower boiling points.

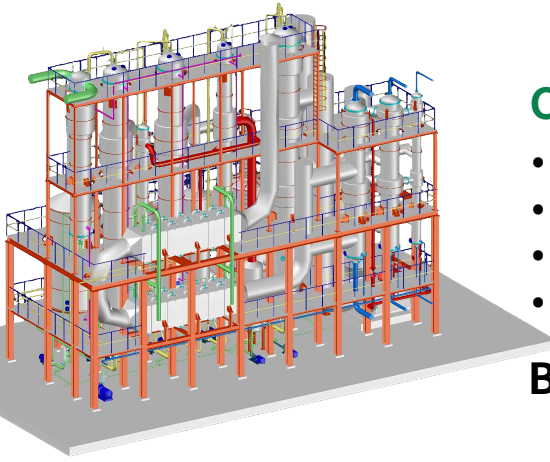
Easy Cleaning (CIP)

Designed for clean-in-place systems, reducing down-time.

Flexible Operation

Can handle wide ranges of feed concentrations and flow rates.





CSL WASTE HEAT EVAPORATOR

- Low evaporation temperature
- Not easy to scale
- Long cleaning cycle
- Stable and convenient operation

BETTER CSL PERFORMANCE



LEIS

(LIQUEFACTION & EVAPORATION INTEGRATED SYSTEM)

- Low evaporation temperature
- Not easy to scale
- Long cleaning cycle
- Stable and convenient operation

