

Scraper Film Evaporator for Viscous Materials

Scraper film evaporators are engineered for efficient heat transfer and separation of volatile components from viscous or heat-sensitive materials. These evaporators employ a rotating scraper system to continuously wipe a heated cylinder's inner surface, forming a thin liquid film for rapid evaporation.



Overview

Efficient Scraper Film Evaporator

The Scraper Film Evaporator is engineered for the efficient heat transfer and separation of volatile components from viscous or heat-sensitive materials. By utilizing a rotating scraper system, it continuously wipes the inner surface of a heated cylinder to create a thin, rapidly evaporating liquid film. This design significantly minimizes residence time and prevents fouling, ensuring high operational reliability and ease of maintenance in demanding industrial environments.

Technical Features

Key Features

- High heat transfer coefficients
- Compact design
- Adaptable to various feed materials
- Robust construction
- Rotating scraper system

Application & Suitability

Suitable Applications

Concentrating solutions, Solvent recovery, Polymer processing, Viscous materials, Heat-sensitive materials