

Thin Film Molecular Distillation System

This thin film molecular distillation system features three molecular distillation units for separating volatile components. Constructed from stainless steel, the system is designed for continuous operation and efficient separation based on molecular weight.



Product Overview

High-Efficiency Thin Film Molecular Distillation

This thin film evaporation system features three molecular distillation units designed for the precise separation of volatile components from less volatile materials. Constructed from high-grade stainless steel, the equipment is engineered for continuous operation in demanding chemical and pharmaceutical environments. The system utilizes molecular weight and boiling point differentials to ensure efficient and high-purity separation of complex mixtures.

Technical Configuration

Operation Mode

Continuous Operation • Automated Process

Distillation Stages

3

Primary Material

Stainless Steel

Process Capabilities

Separation Principle

- Molecular weight differentiation
- Boiling point separation
- Thin film evaporation

Target Industries

Chemical Processing, Pharmaceuticals, Material Purification

System Design

System Components

- Interconnected piping network
- Multiple distillation vessels
- Supporting structural frame
- Integrated evaporation units