



Falling Film Evaporator

Highly Efficient Entrainment
Separator & Distribution System

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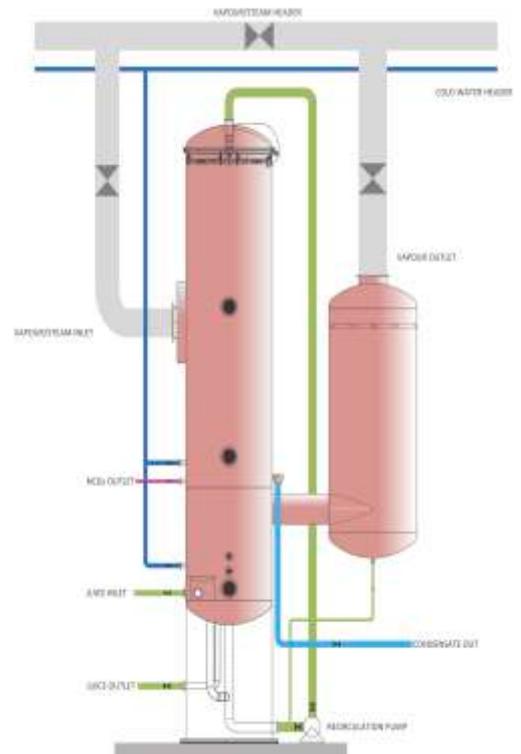
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SUSTAINABLE ENVIRONMENT DEVELOPERS
(Formerly Spray Engineering Devices)

Falling Film Evaporator

Distinct Features

- Low ΔT (4 – 6 °C) operation.
- Optimized Design for high-heat transfer rate (upto 3500 W/m²K).
- Total Residence time not more than 15 seconds.
- Uniform Liquid distribution, thereby ensuring less wetting rate to maintain heat transfer efficiency without dry patch or incursions.
- Efficient entrainment separator (More than 90% removal of upto 5 μ m size particles).
- Top cover with hinge assembly for easy maintenance and distributor alignment.
- Intelligent process control with fully automated system.
- Self-supporting structure with less foot print area.
- Ability of single unit with heating surface area upto 10000 m².
- Easy to clean and maintain.
- Patented and improved distribution system.



Performance Parameters

Particulars	Values
Operating range (Pressure / temp.)	300 kPa / 150 °C (Max.)
ΔT	4 – 6 °C
Heat Transfer Coefficient (HTC)	1500 – 3500 W/m ² K
Wetting Rate	16 – 16.5 l/min./cm
Mounting	Skirt
Manufacturing range	500 – 10000 m ²
Tube Length	10 – 15 m