

DS 50

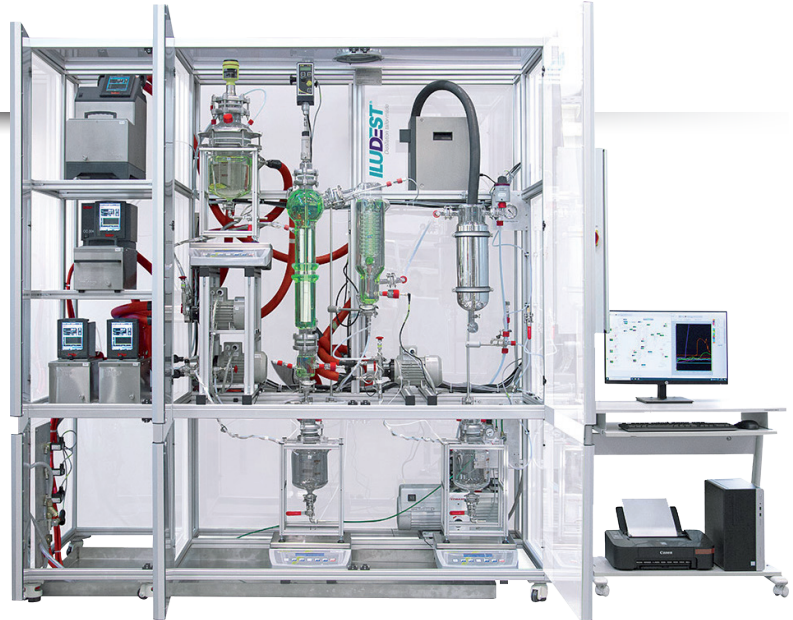
Thin Film Evaporator

Thin Film Evaporator is used in chemical industry for the production and processing of low-molecular as well as macro-molecular substances. Because of the thermal sensitiveness of products, this separation method is applicable. The medium which is to be distilled is exposed only for a very short time to the heating substances because the film, which is created by the wiper, can evaporate very quickly. The residence time of medium on the heating surface is only seconds. Evaporated product has to pass a "short path" to the condenser. Condenser is located in the middle of the evaporator.

Rotary thin film evaporator with thermostat mantle and internal condenser for continuous shortpath distillation.

Universal lab-scale apparatus for short-path evaporation.

- Rotary thin-film evaporator with thermostat mantle and internal condenser for continuous shortpath distillation or gentle concentration of thermally sensible products.
- Suited for laboratory or pilot operation.
- The pilot operation data and experimental values can be transferred to bigger systems.
- The standard system uses glass wiper elements. Other wiper elements are available.
- Mobile table to accommodate system and accessories can be ordered optionally.



Specifications

Temperature range	50 - 1000 ml / h
Evaporator material	Borosilicate glass
Feed - vessel	250 ml
Product receivers	250 ml
Evaporator surface	200 cm ² , short path
Operating temperature	max. 450°C
Operating pressure	0.001 - 1000 mbar
Power supply	208 – 250 V, 50 Hz (60 Hz upon request)

