KV 80

Short - Path Evaporator

Short-path evaporator is apparatus for lab-scale or pilot operation. Suited for laboratory or pilot operation. The pilot operation data and experimental values can be transferred to bigger systems. The standard thin-film evaporators use PTFE rolling wiper elements. Other wiper elements are available.

Short Path Evaporators are used for the production and processing of macro-molecular substances. Because of the thermal sensitiveness of products, this separation method is applicable. Sample to be distilled is exposed only for a very short time. to the heating substances because the film, 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.

Evaporators in borosilicate glass 3.3 are available with heat exchange areas 0.02…0.8 m².

Stainless steel short-path evaporator can be heated to higher temperatures with more heat transfer area for higher throughputs.

Specifications	
Material	Borosilicate glass
Evaporator surface	5 dm², short path
Operating temperature	up to 250°C C
Operating pressure	1.0 up to 0.001 mbar
Throughput	Approx. 0.5-10 l/h
Power requirements	208-250 V, 50 Hz (60 Hz upon request)
Weight	9 kg
Dimensions	120 x 180 x 60 cm

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