

ABSTRACT

The invention relates to an arrangement for a latent-heat exchanger chamber, usable in distillation devices, which comprises an evaporator in a capillary evaporation regime on the inner face thereof and a condenser in a capillary condensation regime on the outer face thereof, with a system for the dosed supply of liquid into microgrooves or micro undulations of the inner evaporator face, preventing the formation of thin films of water on the evaporator face, the arrangement achieving high latent-heat transfer coefficients.

Fig. 1