

Abstract

EVAPORATOR

An object is to improve heat-exchange efficiency of a heat exchange tube group. An evaporator (10) includes a pressure vessel (11) that has a coolant outlet tube (16) for discharging evaporated coolant, a liquid film heat exchange tube group (15) that is accommodated in the pressure vessel (11) and that has a plurality of liquid film heat exchange tubes (15a) through which water to be cooled flows, a coolant tray (13) that supplies coolant in a liquid phase to the liquid film heat exchange tube group (15) from above, a baffle plate (17) that covers the liquid film heat exchange tube group (15) from a side, and a blow-up prevention plate (18) that covers the liquid film heat exchange tube group (15) from above. A gap (G) is formed between the baffle plate (17) and the blow-up prevention plate (18).

Fig.2