

ABSTRACT

A guide plate 22A, 22B having depressed portions 22 is provided between an array of heat exchanger tubes 21 arranged side by side in a horizontal direction and a next lower array of heat exchanger tubes 21 arranged side by side in the horizontal direction, and is positioned with the lowest parts of the depression portions 22a disposed near crest portions of the respective lower heat exchanger tubes 21. Thus, the guide plate is configured to convey a liquid D flowing down on outer surfaces of the respective upper heat exchanger tubes 21 onto the lower heat exchanger tubes 21 having one-to-one correspondences to the upper heat exchanger tubes 21 even when an inclination in a right-and-left direction of the heat exchanger tubes 21 occurs. Having this configuration, a falling film heat exchanger installed in a ship, an offshore structure, an underwater offshore structure or the like can avoid reduction in heat exchange performance, even when the ship or the like inclines and swings, by substantially evenly distributing and dropping a liquid such as a coolant or absorber onto the crests of the heat exchanger tubes and causing the liquid dropped from the heat exchanger tubes located in an upper array to surely fall onto the heat exchanger tubes located in the next lower array.