

Abstract

An intermediate fluid type vaporizer 10 is equipped with: an intermediate fluid evaporator E1 that evaporates at least a part of a liquid intermediate fluid M through heat exchange between seawater and the intermediate fluid M; and an LNG evaporator E2 that vaporizes LNG by condensing the intermediate fluid evaporated by the intermediate fluid evaporator E1 and causes vaporized NG to flow out. The LNG evaporator E2 is configured by a stack-type heat exchanger having a stacked body which is formed with a first flow channel that is a channel for the flow of the intermediate fluid M and a second flow channel that is a channel for the flow of the LNG. The stack-type heat exchanger is installed in a posture where the first flow channels extend in an up-and-down direction or in a direction tilted relative to the up-and-down direction so that the intermediate fluid M flows down in the first flow channels due to gravity.