TEMPERATURE CONTROL SYSTEM AND METHOD OF CONTROLLING TEMPERATURE CONTROL SYSTEM

ABSTRACT

A temperature control system includes a tank, a cooling mechanism, an outflow flow path, an inflow flow path, and a pump. The tank is configured to store a gaseous temperature control medium at normal temperature and normal pressure. The cooling mechanism is configured to liquefy the temperature control medium stored in the tank. The outflow flow path is connected to an outflow port of the tank and is configured such that the temperature control medium flows out to a temperature control unit that cools members by heat exchange using the temperature control medium. The inflow flow path is connected to the inflow port of the tank and is configured such that the temperature control medium after heat exchange flows in from the temperature control unit. The pump is provided in the outflow flow path and is configured to send the temperature control medium stored in the tank.

Figure 1