ABSTRACT

There is provided a technique that includes: a flow rate controller configured to control a flow rate of fluid flowing in a pipe; an adjuster configured to supply an adjustment gas to at least a downstream side of the flow rate controller; and a controller configured to be capable of suppressing a phase change of the fluid, which is caused by a temperature drop due to adiabatic expansion, by supplying the adjustment gas from the adjuster according to a difference between an internal pressure of the flow rate controller and a pressure on the downstream side of the flow rate controller.

FIG. 3