

ABSTRACT

DESALINATION SYSTEM

A desalination system includes: a pressurized vessel which
5 generates concentrate water and permeate water by causing treatment
target water to pass through a reverse osmosis membrane element built
in the pressurized vessel; an energy recovery device which is located
on a discharge channel so as to discharge the permeate water, and
recovers energy of the permeate water; a bypass discharge channel
10 which branches off from the discharge channel and is located between
the pressurized vessel and the energy recovery device, and which
discharges the permeate water; and a bypass control mechanism which
is located on the bypass discharge channel and controls a discharge
volume of the permeate water.

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[Figure 1]