CLAIMS

[Claim 1]

A method for operating a desalting apparatus provided with a plurality of desalting series having a desalting unit in parallel,

the desalting apparatus is a reverse osmosis membrane apparatus, a nanofiltration membrane apparatus, a forward osmosis membrane apparatus, a membrane distillation apparatus, an electrodialysis apparatus, or an electrodeionization apparatus,

in which while producing a desalted water by passing water to be treated through a part of the desalting series, dilute water is passed through the desalting apparatus of other desalting series from a dilute water tank to dissolve a scale and perform cleaning, and cleaning drainage water containing the dissolved scale flowed out from the desalting apparatus is returned to the dilute water tank, the method comprising,

in a case where the water quality of the dilute water has a higher salt concentration than a predetermined value, discharging a part of the dilute water to be merged with the water to be treated and replenishing new dilute water,

the dilute water dissolves the scale of the desalting apparatus and having a lower salt concentration than the predetermined value.

[Claim 2]

The method for operating a desalting apparatus according to claim 1, wherein the dilute water for use in cleaning is controlled to have a pH of 3.2 or less.

[Claim 3]

The method for operating a desalting apparatus according to claim 1 or 2, wherein a desalted water of the desalting apparatus is used as the dilute water.

[Claim 4]

The method for operating a desalting apparatus according to any one of claims 1 to 3, wherein a scale preventing agent is added to the dilute water.

[Claim 5]

The method for operating a desalting apparatus according to any one of claims 1 to 4, wherein the desalting apparatus is the reverse osmosis membrane apparatus.