

{Abstract}

Deposition of scale within a capacitive de-ionization treatment device is inhibited with certainty. A de-ionization treatment device (1) of the present invention includes a capacitive de-ionization treatment unit (10, 60). In a de-ionization step before a regeneration step, the de-ionization treatment device (1) injects a scale inhibiting agent into supplied water for a period of time that is deduced from a retained water amount of a de-ionization unit (4) and a supplied water flow rate, and stops injection of the scale inhibiting agent after a predetermined period of time passes or after a predetermined ion concentration is reached. The de-ionization treatment device (1) of the present invention injects the scale inhibiting agent into supplied water at the time of stoppage of the capacitive de-ionization treatment unit (10) and stops injection of the scale inhibiting agent after a predetermined period of time passes or after a predetermined ion concentration is reached. Alternatively, at the time of stoppage of the capacitive de-ionization treatment unit (30, 60), the de-ionization treatment device (1) feeds a low ion concentration water in an amount based on the retained water amount of the de-ionization unit (4) to the capacitive de-ionization treatment unit (30, 60).

(Fig. 3)