

ELECTRODEIONIZATION APPARATUS AND PURE WATER PRODUCING APPARATUS**Abstract**

The electrodeionization apparatus improves the removal rate of weakly - ionized species including silica and boron, and which species including silica and boron, and is useful for a primary pure water system and a reclaim system. The apparatus for producing purified water produces the product water of high quality including the resistivity of equal to or more than $18.0 \text{ M}\Omega \cdot \text{cm}$ can be provided. The electrodeionization apparatus 3A has a plurality of cation exchange membrane and plurality of anion exchange membrane alternately arranged between electrodes in such a manner as to alternately form diluting compartments and concentrating compartments. The diluting compartments are filled with an ion exchanger. The product water having pH exceeding pH of the feed water by 1.0 or more when the feed water having pH of equal to or less than 8.5 is treated without adding alkaline agents. The apparatus for producing purified water has plural electrodeionization apparatuses 3A, 3B connected each other so that the feed water flows through the electrodeionization apparatuses.

(Fig. 1)



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