CLAIMS

[Claim 1]

A method for washing a hollow fiber membrane module, the hollow fiber membrane module comprising:

a vessel that comprises a treated water outlet and a concentrated water outlet;

a water conduit through which raw water is supplied into the vessel;

a plurality of hollow fiber membranes each of which separates the raw water into permeated water and concentrated water, each of the hollow fiber membranes being vertically disposed in the vessel;

an upper end fixing member that fixes upper end parts of the hollow fiber membranes, the upper end fixing member being disposed at an upper part in the vessel; and

a permeated water chamber that is formed on an upper side of the upper end fixing member, the permeated water chamber communicating with an interior of each of the hollow fiber membranes, wherein

the water conduit vertically extends on a lower side of the upper end fixing member, and a plurality of ejection holes are provided on a side peripheral surface, each of the ejection holes being a hole through which the raw water is ejected,

a drainage port is provided at a lower part of the vessel, the drainage port being a drainage port through

which wash drainage water is drained, the wash drainage water being wash drainage water at time of performing a bubbling wash in which gas is injected from the plurality of ejection holes, wherein

the bubbling wash in which the gas is injected from the plurality of ejection holes is performed, and the wash drainage water is drained from the drainage port and wherein

the wash drainage water is drained from the concentrated water outlet provided at an upper part of the vessel, before or after the wash drainage water is drained from the drainage port.

[Claim 2]

The method for washing the hollow fiber membrane module according to claim 1, wherein the hollow fiber membrane is fixed by only the upper end fixing member.

[Claim 3]

The method for washing the hollow fiber membrane module according to claim 1 or 2, wherein the water conduit is provided so as to penetrate a bottom portion of the vessel and extend in the vessel.

[Claim 4]

The method for washing the hollow fiber membrane module according to claim 3, wherein the drainage port is provided at a periphery of the water conduit.

[Claim 5]

The method for washing the hollow fiber membrane module according to any one of claims 1 to 4, wherein backwash in which backwash water is supplied from the treated water outlet is performed concurrently with the bubbling wash.

[Claim 6]

The method for washing the hollow fiber membrane module according to claim 5, wherein a chemical is added to the backwash water.

[Claim 7]

The method for washing the hollow fiber membrane module according to any one of claims 1 to 6, wherein a flow rate of the gas to pass through the water conduit is 100 to 300 NL/min.