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;

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

a diffusion member that is disposed on a lower side 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, and

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, wherein

the method for washing the hollow fiber membrane module, comprises performing

a bubbling wash in which gas is injected from the diffusion member, and

a water backwash in which backwash water is supplied from the treated water outlet into the hollow fiber membranes after the bubbling wash, the water backwash being performed at a time after or at the same time when air or the air and the raw water are supplied from the water conduit.

[Claim 2]

The method for washing the hollow fiber membrane module according to claim 1, wherein the water backwash is performed at a time after or at the same time when air or the air and the raw water are supplied from the water conduit.

[Claim 3]

The method for washing the hollow fiber membrane module according to claim 2, wherein drainage from the drainage port is performed at a time after the air or the air and the raw water are supplied from the water conduit or at a time after the water backwash is performed.

[Claim 4]

The method for washing the hollow fiber membrane module according to any one of claims 1 to 3, wherein a chemical is added to the backwash water.

[Claim 5]

The method for washing the hollow fiber membrane module

according to any one of claims 1 to 4, wherein the hollow fiber membranes are fixed by only the upper end fixing member.

[Claim 6]

The method for washing the hollow fiber membrane module according to any one of claims 1 to 5, wherein

the water conduit is provided so as to penetrate a bottom portion of the vessel and extend in the vessel, and

the plurality of ejection holes are provided on the water conduit.