WHAT IS CLAIMED IS:

1. An ultrafine bubble-containing liquid producing method comprising:

a dissolving step of dissolving a predetermined gas into a liquid;

an ultrafine bubble generating step of generating ultrafine bubbles with a diameter of less than 1.0 μm in the liquid in which the predetermined gas is dissolved; and

a circulation controlling step of controlling circulation of a liquid so as to

circulate a liquid under a first condition that defines a state of the liquid to be circulated, through a circulation route in which the dissolving step is executable, in a case of executing the dissolving step in the circulation route, and

circulate a liquid under a second condition different from the first condition through a circulation route in which the ultrafine bubble generating step is executable, in a case of executing the ultrafine bubble generating step in the circulation route,

wherein the circulation controlling step includes

circulating a liquid under the first condition through a circulation route in which the dissolving step and the ultrafine bubble generating step are both executable, in a case of performing the dissolving step and not performing the ultrafine bubble generating step in the circulation route, and

circulating a liquid under the second condition through the circulation route in a case of not performing the dissolving step and performing the ultrafine bubble generating step in the circulation route.

2. An ultrafine bubble-containing liquid producing method comprising:

a dissolving step of dissolving a predetermined gas into a liquid;

an ultrafine bubble generating step of generating ultrafine bubbles with a diameter of less than 1.0 μm in the liquid in which the predetermined gas is dissolved; and

a circulation controlling step of controlling circulation of a liquid so as to

circulate a liquid under a first condition that defines a state of the liquid to be circulated, through a circulation route in which the dissolving step is executable, in a case of executing the dissolving step in the circulation route, and

circulate a liquid under a second condition different from the first condition through a circulation route in which the ultrafine bubble generating step is executable, in a case of executing the ultrafine bubble generating step in the circulation route,

wherein the circulation controlling step includes

circulating a liquid under the first condition through a first circulation route in which the dissolving step is executable and the ultrafine bubble generating step is not executable, in a case of performing the dissolving step in the first circulation route, and

circulating a liquid under the second condition through a second circulation route in which the dissolving step is not executable and the ultrafine bubble generating step is executable, in a case of performing the ultrafine bubble generating step in the second circulation route.

3. The ultrafine bubble-containing liquid producing method according to claim 1 or 2, further comprising:

a liquid supplying step of supplying a yet-to-be circulated liquid to a storing chamber for storing a liquid; and

a discharging step of discharging a circulated liquid from the storing chamber.

4. An ultrafine bubble-containing liquid producing method comprising:

a dissolving step of dissolving a predetermined gas into a liquid;

an ultrafine bubble generating step of generating ultrafine bubbles with a diameter of less than 1.0 μm in the liquid in which the predetermined gas is dissolved;

a circulation controlling step of controlling circulation of a liquid so as to

circulate a liquid under a first condition that defines a state of the liquid to be circulated, through a circulation route in which the dissolving step is executable, in a case of executing the dissolving step in the circulation route, and

circulate a liquid under a second condition different from the first condition through a circulation route in which the ultrafine bubble generating step is executable, in a case of executing the ultrafine bubble generating step in the circulation route, and

a supplying step of supplying a liquid from a first storing chamber for storing a liquid to a second storing chamber for storing a liquid,

wherein the circulation controlling step includes

circulating a liquid under the first condition through a first circulation route through which a liquid is led out from the first storing chamber and returned to the first storing chamber and in which the dissolving step is executable and the ultrafine bubble generating step is not executable, in a case of performing the dissolving step in the first circulation route, and

circulating a liquid under the second condition through a second circulation route through which a liquid is led out from the second storing chamber and returned to the second storing chamber and in which the dissolving step is not executable and the ultrafine bubble generating step is executable, in a case of performing the ultrafine bubble generating step in the second circulation route.

5. The ultrafine bubble-containing liquid producing method according to claim 4, further comprising supplying a liquid in which ultrafine bubbles are generated by the

ultrafine bubble generating step from the second storing chamber to the first storing chamber.

6. The ultrafine bubble-containing liquid producing method according to claim 5, wherein the circulation controlling step includes circulating a liquid under a condition different from the first condition and the second condition through a third circulation route including a route for supplying a liquid from the first storing chamber to the second storing chamber and a route for supplying a liquid from the second storing chamber to the first storing chamber.

7. The ultrafine bubble-containing liquid producing method according to any one of claims 4 to 6, wherein the circulation controlling step includes simultaneously performing the circulation through the first circulation route and the circulation through the second circulation route.

8. The ultrafine bubble-containing liquid producing method according to claim 7, wherein the circulation controlling step includes

circulating a liquid under the first condition through the first circulation route in a case of not performing the ultrafine bubble generating step, and

circulating a liquid under a third condition different from the first condition through the first circulation route in a case of performing the ultrafine bubble generating step.

9. The ultrafine bubble-containing liquid producing method according to any one of claims 4 to 8, wherein

a capacity of the second storing chamber is smaller than a capacity of the first storing chamber, and

the ultrafine bubble-containing liquid producing method further comprises:

a liquid supplying step of supplying a liquid to the first storing chamber; and

a discharging step of discharging a liquid from the second storing chamber.

10. The ultrafine bubble-containing liquid producing method according to any one of claims 1 to 9, wherein the first condition and the second condition each define a state being at least one of a flow rate, pressure, and temperature of a liquid.

11. The ultrafine bubble-containing liquid producing method according to claim 10, wherein the first condition defines a higher flow rate than the flow rate in the second condition.

12. The ultrafine bubble-containing liquid producing method according to claim 10 or 11, wherein the first condition defines a higher pressure than the pressure in the second condition.

13. The ultrafine bubble-containing liquid producing method according to any one of claims 10 to 12, wherein the second condition defines a lower temperature than the temperature in the first condition.

14. The ultrafine bubble-containing liquid producing method according to any one of claims 1 to 13, wherein the circulation controlling step includes circulating a liquid under the first condition and under the second condition by controlling driving of pumps disposed in the circulation routes.

15. The ultrafine bubble-containing liquid producing method according to any one of claims 1 to 14, wherein the ultrafine bubble generating step includes generating ultrafine bubbles by causing a heating element to generate heat and cause film boiling at an interface between a liquid and the heating element.

16. An ultrafine bubble-containing liquid producing method comprising:

a dissolving step of dissolving a predetermined gas into a liquid;

an ultrafine bubble generating step of generating ultrafine bubbles with a diameter of less than 1.0 μm in the liquid in which the predetermined gas is dissolved;

a circulation controlling step of controlling circulation of a liquid so as to

circulate a liquid under a first condition that defines a state of the liquid to be circulated, through a circulation route in which the dissolving step is executable, in a case of executing the dissolving step in the circulation route, and

circulate a liquid under a second condition different from the first condition through a circulation route in which the ultrafine bubble generating step is executable, in a case of executing the ultrafine bubble generating step in the circulation route, and further comprising at least one of:

a first supplying step of supplying a liquid to the ultrafine bubble generating step from a first storing chamber for storing a liquid through a second storing chamber for storing a liquid; and

a second supplying step of supplying a liquid to the first storing chamber from the ultrafine bubble generating step through a third storing chamber for storing a liquid,

wherein the circulation controlling step includes

circulating a liquid under the first condition through a first circulation route through which a liquid is led out from the first storing chamber and returned to the first storing chamber and in which the dissolving step is executable and the ultrafine

bubble generating step is not executable, in a case of performing the dissolving step in the first circulation route, and

circulating a liquid under the second condition through a second circulation route through which a liquid is led out from the first storing chamber and returned to the first storing chamber and in which the dissolving step is not executable and the ultrafine bubble generating step is executable, in a case of performing the ultrafine bubble generating step in the second circulation route.

17. The ultrafine bubble-containing liquid producing method according to claim 16, wherein

the ultrafine bubble-containing liquid producing method comprises the second supplying step,

the third storing chamber includes a filter that separates an inside of the third storing chamber into an ultrafine bubble storing chamber connected to the ultrafine bubble generating step and a liquid storing chamber connected to the first storing chamber, and

the ultrafine bubble-containing liquid producing method further comprises a discharging step of discharging a liquid from the ultrafine bubble storing chamber.