

ABSTRACT

GAS-DISSOLVED LIQUID PRODUCING APPARATUS

A gas-dissolved liquid producing apparatus capable of increasing a gas dissolution efficiency and enhancing stability of the concentration of gas-dissolved liquid is provided.

The gas-dissolved producing apparatus 1 includes an ozone gas supply unit 2 for supplying ozone gas, a pure water supply unit 3 for supplying pure water, and an ozonated water generator 4 for dissolving ozone gas in supplied pure water to generate ozonated water. The generator 4 includes a first nozzle 10 having a first optimum flow rate, a second nozzle 11 having a second optimum flow rate different from the first optimum flow rate, a flow rate detector 15 for detecting the flow rate of the supplied pure water, and a controller 16 for controlling which one of the first nozzle and the second nozzle should be supplied with the supplied gas, based on the flow rate of the pure water detected by the detector 15.

Fig. 1