

WATER TREATMENT APPARATUS AND WATER TREATMENT METHOD
ABSTRACT

A water treatment apparatus is provided that supplies
5 an appropriate aeration air volume depending on the
position in an aerobic tank in a bioreactor tank. The
water treatment apparatus includes, in a bioreactor tank
(1) in which treatment target water that flows in through
an inlet is aerated with air, biological reaction treatment
10 is performed, and the treatment target water is drained
through a drain port, a first aeration unit (31) and a
second aeration unit (32) that aerate the treatment target
water with the air, and aeration rate calculation units
(70) that each control the aeration rate of the first
15 aeration unit (31) and the aeration rate of the second
aeration unit (32). The first aeration unit (31) is
disposed at a position less distant from the inlet than the
second aeration unit (32) in the bioreactor tank. The
aeration rate calculation units (70) provide control to
20 produce different aeration rates for the first aeration
unit (31) and the second aeration unit (32).

Fig. 4