

AEROBIC BIOFILM TREATMENT METHOD AND DEVICE

ABSTRACT

Provided are an aerobic biofilm processing method and device which supply raw water to an aeration tank 2 to subject a target substance to be removed in the raw water to aerobic biological treatment by a biofilm-holding carrier C or granule filled in the aeration tank 2, the method and device being characterized by: setting in advance a relation between a raw water biofilm load, which is a load of raw water per biofilm holding carrier or granule, and a corresponding DO target value and/or a corresponding aeration intensity setting value; adjusting, on the basis of the relation, the DO target value and/or the aeration intensity setting value in accordance with the variation of the measurement value of the raw water biofilm load; and controlling an aeration device such that DO becomes the target value or the set aeration intensity setting value.

Figure 1