

ABSTRACT

SUBMERGED TYPE MEMBRANE SEPARATION SYSTEM FOR ADVANCED SEWAGE AND WASTE WATER TREATMENT

The present invention relates to a submerged type membrane separation system. One of objects of the present invention is to prevent deleterious particles from being concentrated therein. To achieve the objects, there is provided a submerged type membrane separation system for filtering and treating sewage and wastewater, which comprises a grit bath, a screen bath, a flow control bath, a microfiltration screen, a treatment tank and a sludge thickening underflow bath, includes: an anaerobic bath installed outside of the microfiltration screen; a membrane separation aerobic bath installed outside the anaerobic bath; an oxygen-free bath installed outside the membrane separation aerobic bath; a distribution line connected to the microfiltration screen; and a transfer line connected to the transfer pump in the oxygen-free bath.

(Figure 3)