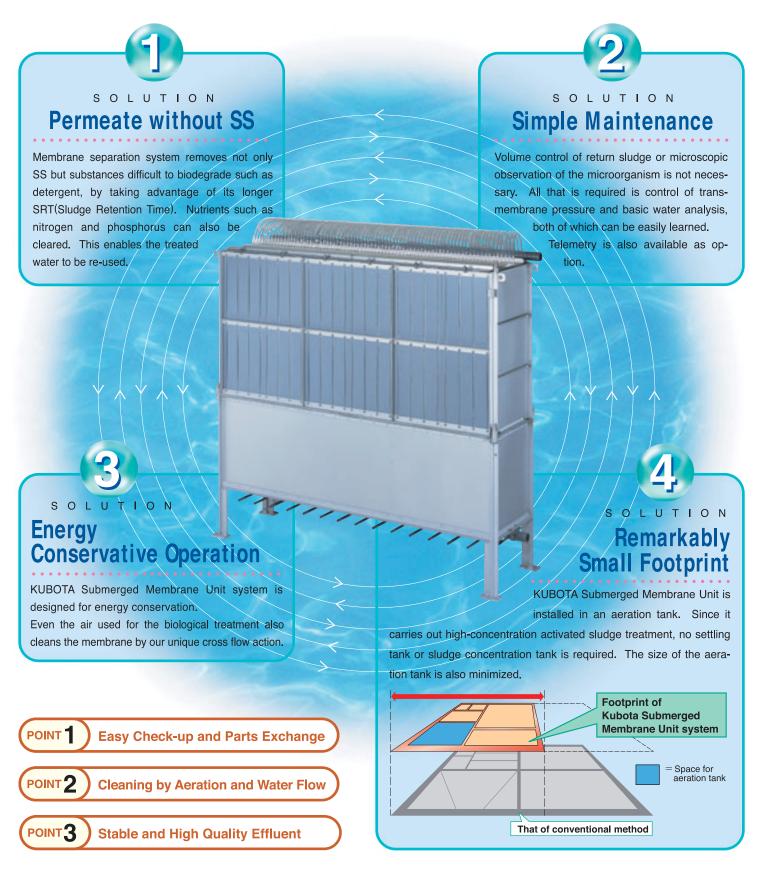
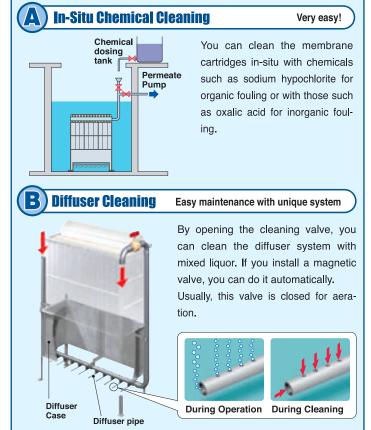
We are pleased to offer

KUBOTA Submerged Membrane Unit as the solution to various requirements in wastewater treatment

KUBOTA Submerged Membrane Unit has been developed to create environmentally-friendly treated wastewater. Basically, it is a solid-liquid separation device with micro pores. It is very compact but it enables you to get high quality effluent. The applications are various such as sewage treatment, industrial wastewater treatment and Jokaso.

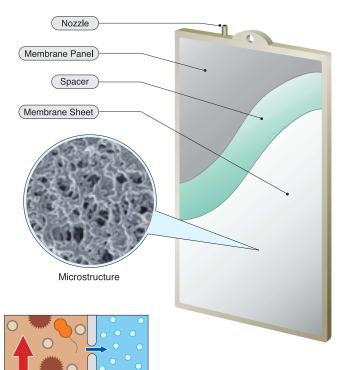


STRUCTURE 1 Structure of Membrane Unit Tube Membrane Case Membrane Cartridge Diffuser Case The Membrane Unit consists of a membrane case and a diffuser case. The membrane case incorporates multiple membrane cartridges, which are connected to a manifold with transparent tubes. The diffuser case has diffuser pipes inside. You Diffuser Pipe can pick out each membrane cartridge for maintenance.



STRUCTURE 2 Structure of Membrane Cartridge

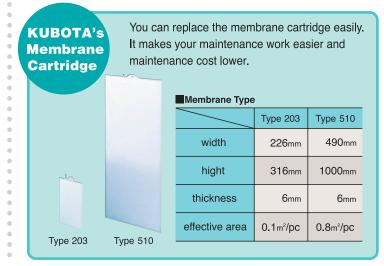
Membrane sheets are ultrasonic-welded on both surfaces of membrane panel. They are made from chlorinated polyethylene with nominal $0.4 \mu m$ pores. Permeated water goes through spacers and comes out by the nozzle.



◀◀【Cross Flow Filtration

Mixed liquor flows parallel to the membrane surface, while water permeates through the membrane.

Cross flow prevents the membrane surface from fouling.



Sample Applications of

KUBOTA Submerged Membrane Unit System

Application into the RC tank

Necessary number of Kubota Submerged Membrane Units are laid out in the RC tank. Installation of the guide rail system will enable the easy lift up & down of the units during maintenance.



In this sample, Double-Decker System is adopted.

Double-Decker Application

Double-Decker System has achieved savings on:

- (1) Footprint for installation
- (2) Air volume for cross flow cleaning

Application into the FRP tank



Package Model incorporating KUBOTA Submerged Membrane Units into the FRP tank. It is widely used for Jokaso and industrial wastewater. Smaller size tank compared with that of the conventional method reduces the construction cost.

Kubota

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Membrane System Dept.

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