



Water

Membrane Separation Wastewater Treatment System

Domestic Wastewater from cooking, laundry, and other household life contains organic substances, nitrogen and phosphorus which cause eutrophication when they flow into rivers and lakes. Eutrophic condition makes excessive growth of phytoplankton, causing red tide and water-bloom, and finally brings about the death of fish, algae, etc.

Kubota's Membrane separation wastewater treatment system, which won the Environmental Agency's "Director General Prize",

treats the wastewater from housing complex and community by submerged membrane units, removing not only the organic pollutants like BOD but also nitrogen and phosphorus at extremely high level. The treated water is of sufficiently high quality to be used as recycling water and for sprinkling systems. In addition, because of its compact design and easy maintenance, the submersed membrane unit is now the focus of considerable attention as a system to protect nearby aquatic environments.

Dioxin decomposition units

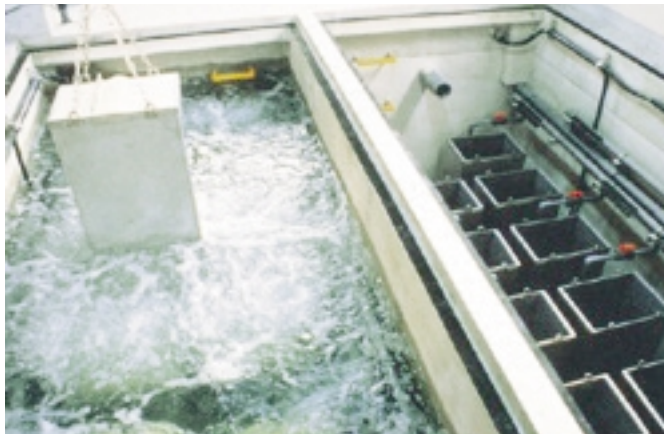
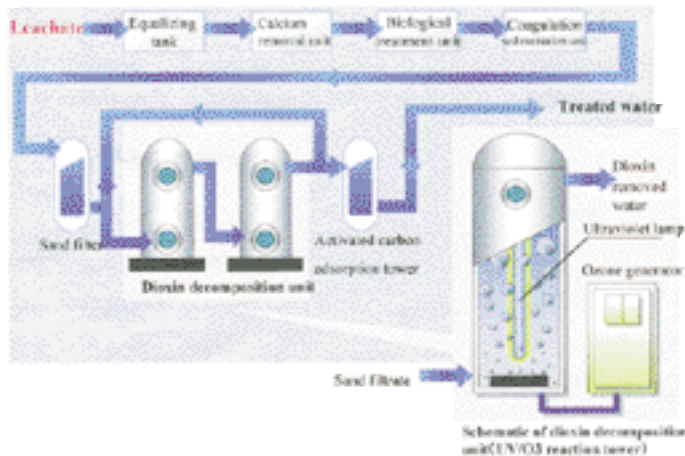
In recent years, dioxin problems have been a great deal of concern in Japan.

Kubota Corp. developed unique dioxin decomposition units, which reduce dioxin concentration in water to the minimum limit of determination using ozone in combination with ultraviolet radiation. (PAT.2874126). Our dioxin decomposition units treat dioxins in water under ordinary temperature and atmospheric pressure condition. Therefore this units have simple structure and cost-effectiveness. All water (leachate, pond, groundwater, industrial wastewater, etc.) which contains dioxin can be treated with this equipment.

Our dioxin decomposition unit is acclaimed for its originality and its excellence, then won following two prestigious awards.

- The Nikkei Outstanding Product/Service Price and the Nikkei Shimbun Price of Excellence (1998)
- The Japan Industrial Machinery Association 25th Chairperson's Award for Outstanding Environmental Devices (1999)

Application example of the dioxin decomposition unit



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Schematic of dioxin decomposition unit