**Water Treatment (Water Purification)**

Our technology improves the safety and reliability of tap water, now and in the future.

**Water Purification Plant**

Water purification is a vital lifeline process to supply clean water reliably every day. We design a suitable water treatment plant according to changes in water quality and demand, and offer an appropriate system plan including maintenance work. We also meet the demand for advanced treatment to produce safer and more delicious water using cutting-edge technology.

**Open Siphon Filter**

The open siphon filter is a gravity type open filtration facility that uses a siphon mechanism. Automatic switching between filtration, back wash processes, and water dumping is achieved by utilizing a separate back wash storage tank and siphon. The downsizing of the large automatic valve and pump capacity makes maintenance work simpler. Open type filtration facilitates easy cleaning surveillance, ensuring safe and reliable filtration.

**Membrane System for Water Purification**

This water-purification system, which was developed by combining our advanced water-purification and membrane-filtration technology, helps reduce the number of maintenance personnel required thanks to its simple flocculation control. Open type filtration facilitates easy cleaning surveillance, ensuring safe and reliable filtration.

**Auto Siphon Filter**

This is a rapid gravity filter that enables fully automated operation with no need for automatic valve operation or flow control for filtration or back wash processes. This filter eliminates the need for a wash water pump and electric power, thus reducing maintenance work.

**Non-metallic sludge-gathering system**

All the parts which are in contact with liquid are made of high-quality plastic materials. In many sewage disposal plants, long life and maintenance-free circumstances in a corrosive environment are realized.

**Ultra membrane filtration system**

This equipment has achieved high oxygen transfer efficiency and low pressure loss by utilizing special silicon rubber with excellent durability. Stopping the air supply closes the membrane slit and prevents increased pressure loss due to clogging. This equipment is suitable for situations where the air volume fluctuates, such as when operating with low air volume during a low load period, since the institution of wastewater is imposed even when there is low air volume, or intermittent aeration, or when aeration is halted. The LCC will be less since it is possible to replace just the membranes.

**Our abundant track record creates high reliability**

Sewage treatment plant

Our wide range of technology can propose various solutions such as efficient removal of COD, removal of nitrogen or phosphate to solve the problem of eutrophication, desalination of recirculated water, energy savings etc. We have designed and supplied many sewage treatment plants and advanced wastewater treatment plants to prefectures, cities, towns, villages and housing complexes nationwide and have contributed to the improvement of community life as a reliable plant supplier.

**Efficient mixing in the tank is made possible using a specially shaped Hyperboloid mixer. As mixing near the bottom of the tank is performed by low-speed rotation, considerable energy savings are realized with minimum energy consumption. It has a simple structure where two types of mixing impellers are available; one of which is a single-body type, and the other is an eight-blade type that is easy to install even if the opening of the reaction tank is small.**

We support comfortable living with our advanced technology.