Advanced Sewage Treatment System Using the Soil Microbial Membrane Treatment Technology



Sofil

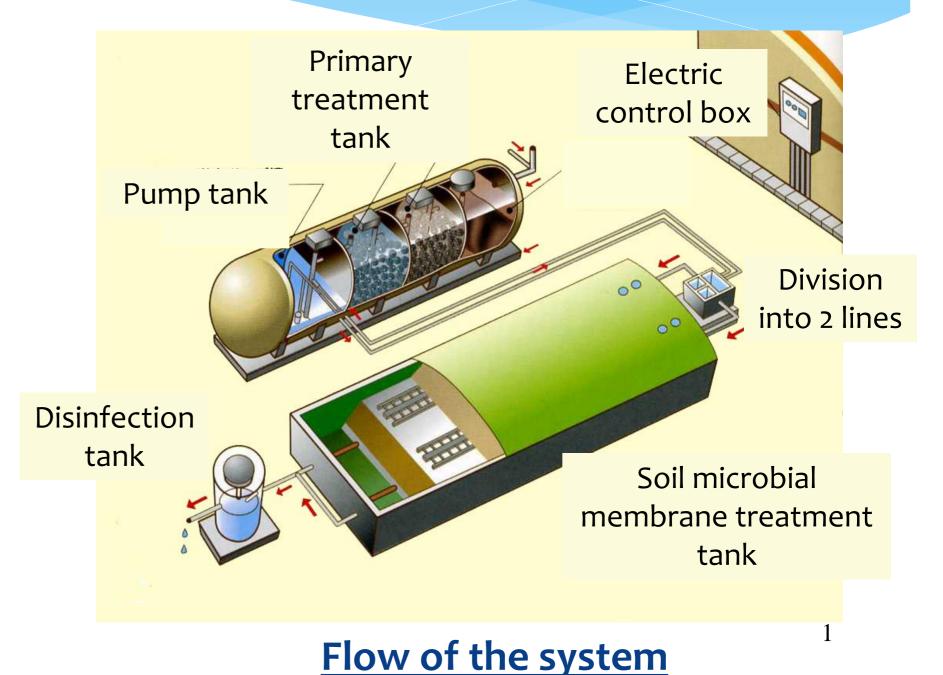


"Sofil": Eco-friendly System of Sewage Treatment

"Sofil" acquired a general authorization from the Minister of Land, Infrastructure, Transport and Tourism of Japan

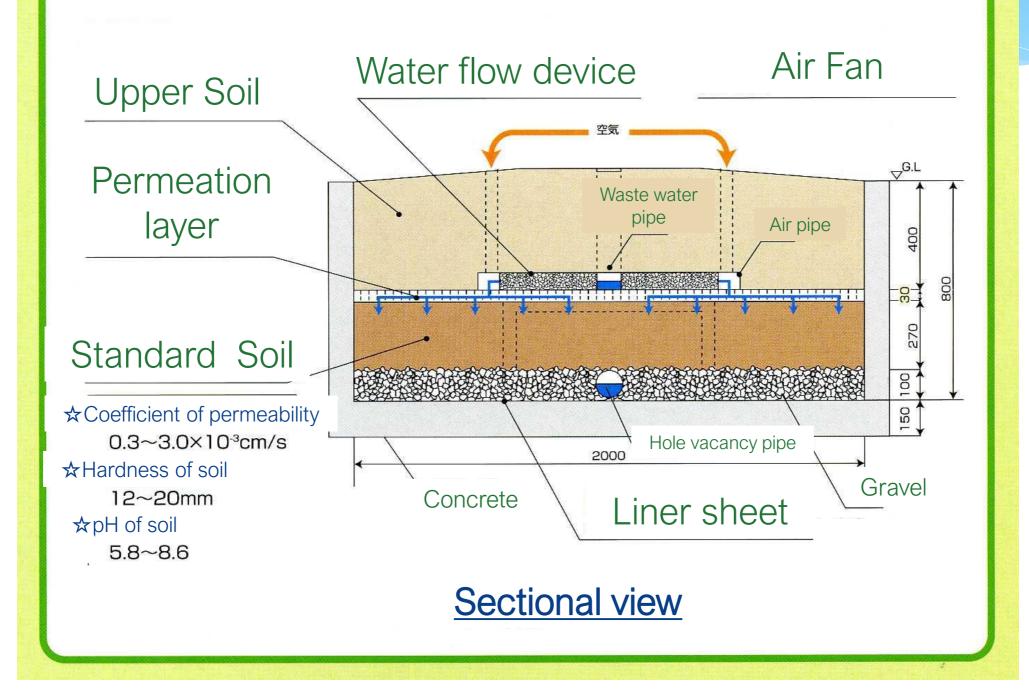
Average volume of sewage treatment:
2~100 m³/day

Treated water quality:
BOD 10 mg/L or less
SS 10 mg/L or less



Structure of Soil Microbial Membrane Treatment Tank

\cancel{x} Long and stable operation is possible.



Waste Water Treatment by the Soil Power



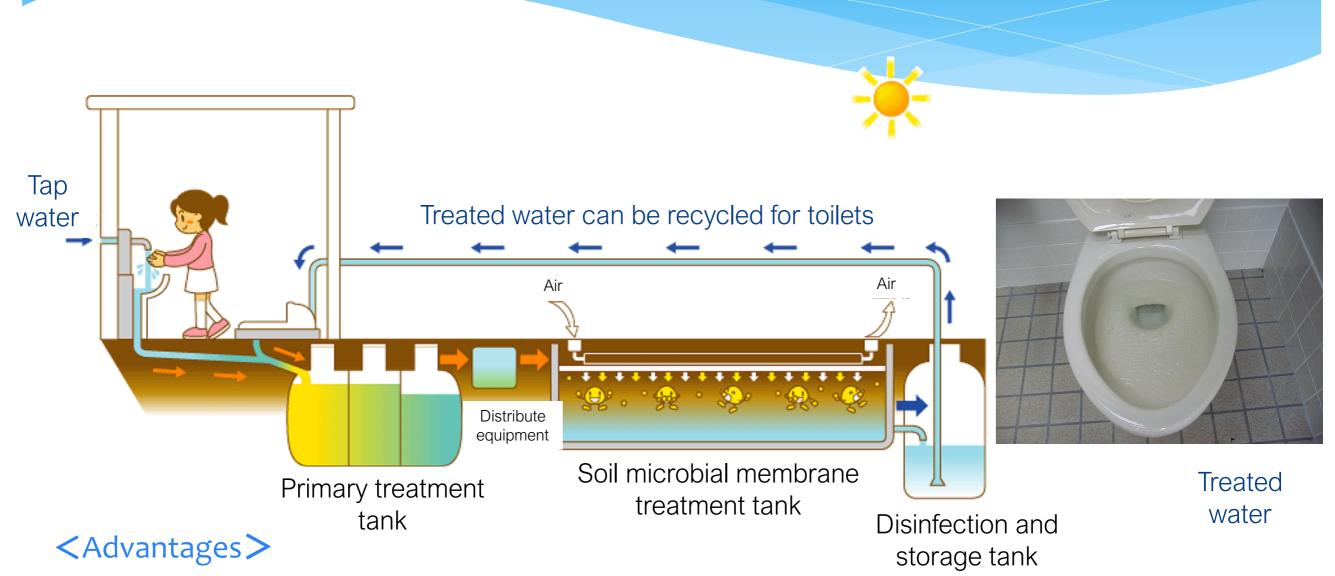
Features of "Sofil"

- Advanced sewage treatment system using the soil microbial membrane treatment technology.
 Quantity of bacteria: 10⁷~10⁸/gram of soil
- Advanced processing with small power consumption.
- Phosphorus in the wastewater can be removed almost completely.
- Treated water can be recycled for toilet and planting.



Aggregated structure of soil

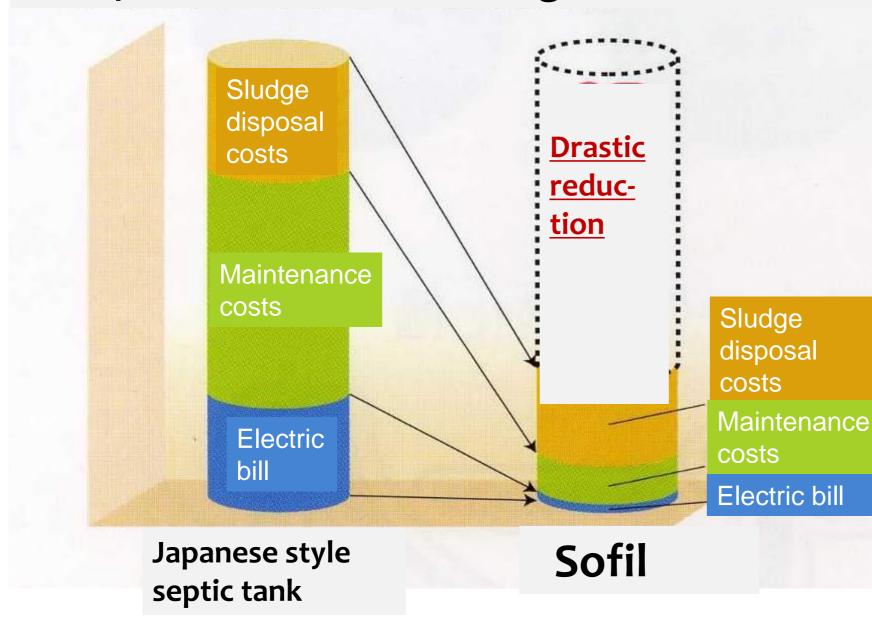
Treated water can be recycled for toilets.



- Significant reduction in tap water bill
- Reduced pollution to the rivers, lakes and sea
- Toilet can be used even when there is no water, such as after disaster.

Low Running Costs

Comparison of the running costs





Delivery Records in Japan (1997~)

World Geopark "Island of Oki" World Heritage "Bonin Islands" (西 /島) (父島) 200 locations Public toilets, schools, factories, campgrounds, etc.

(黒島)