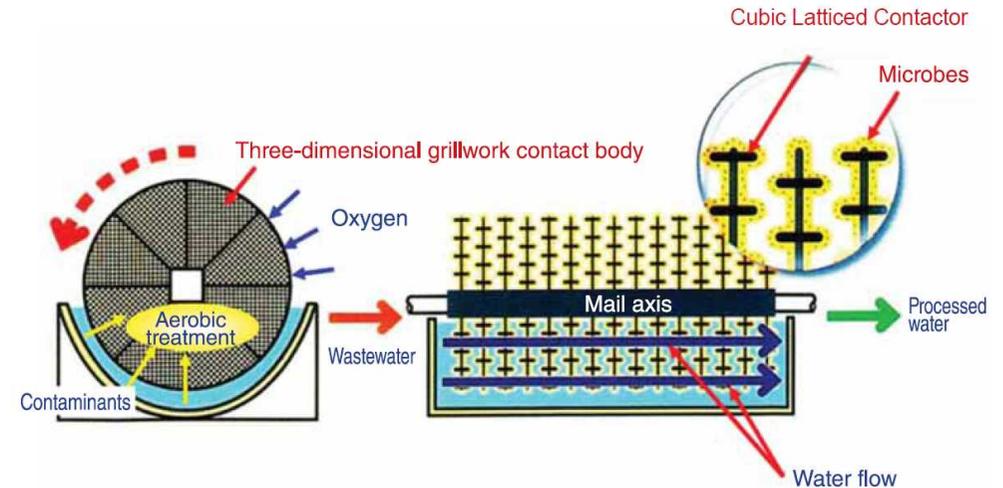




Cubic Latticed Contactor ESROTAE

SEKISUI AQUA SYSTEMS Co., Ltd.

Suitable for processing organic wastewater, simple and conventional maintenance and management through energy efficient mechanism and a 50% reduction of sludge



Features

- Consumes approx 40% lower power than conventional wastewater treatment equipment using activated sludge.
- Generates less than half the quantity of sludge generated from equipment using activated sludge.
- Withstands inflow load changes and ensures ease of use and maintenance.

Overview (Technical principles, actions, etc.)

The ESROTAE is wastewater treatment equipment that uses the microbe film on the cubic latticed contactor. The contactor rotates slowly while approximately 40% of the contact body is immersed in wastewater, takes in oxygen from the air, adsorbs contaminants from the wastewater, and breaks down the contaminants aerobically with the work of microbes. The microbes proliferate in process of wastewater decomposition, and those that loose activity fall off and they are separated in the sedimentation layer of the equipment.

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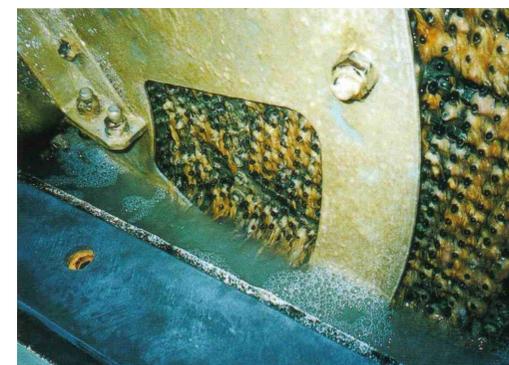
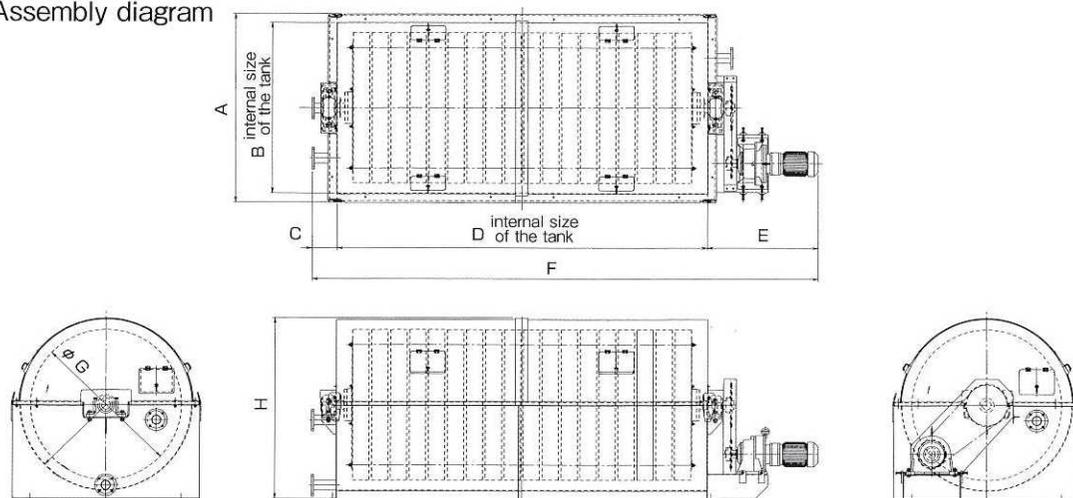
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Performance /specifications of technology / product

- Assembly diagram



Cubic Latticed Contactor

Type	A	B	C	D	E	F	G	H	motion power	water tank volume	empty weight	operating weight
TYPE I	1538	1360	200	2950	662	3812	1200	1486	1.5kW	1.78m ³	1.6t	4.3t
TYPE II	2500	2250	205	3552	953	4710	2000	2557	2.2kW	6.50m ³	4.5t	13.9t

Usage examples / result

- In Japan : More than 200 units (model type I and type II) have been delivered mainly for the wastewater treatment of food processing factories and chemical factories.
- Examples overseas :
 1. China: Domestic wastewater treatment (type I / II , about 70 units)
 2. Indonesia: Domestic wastewater treatment (type I , 2 locations)
 3. Bahrain: Domestic wastewater treatment (type II , 1 unit) etc.

