

Company name : Fuji Clean Co., Ltd. Representative name : HIDEAKI KIMURA / Mr.

Business Field:
Production and sales of small, medium and large-sized *jokaso* (combined wastewater treatment tank)

Area of Specialty:
Technologies related to treatment of domestic wastewater

Technology / Product / Service PR Item

【Category / name】 On-site wastewater treatment equipment

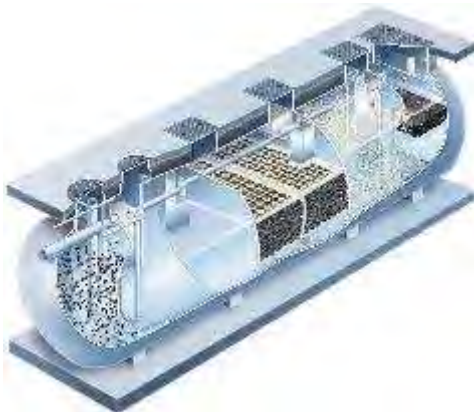
【Characteristics, performance and applicable areas】

Jokaso is a piece of wastewater treatment equipment, originally developed in Japan, that can treat not only sewage from toilets but also domestic wastewater from kitchens and baths. The quality of treated water is quite high, with BOD being less than 20 mg/L, in general, and some models possess a higher level treatment capability equivalent to that of sewerage facilities. It consists of several portions partitioned within a tank, and wastewater is treated with a combination of anaerobic and aerobic treatment.

Small-sized *jokaso*, CE-model



Large-sized *jokaso*, PCN-model



• Wastewater treatment capacity			
1.0~6.0 m ³ /day			
• Quality of treated wastewater			
	Quality of influent	→	Quality of effluent
BOD:	200		20
SS:	160		20
T-N:	50		20
• Can be loaded in a marine container (2 to 10 units depending on the tank size)			

• Wastewater treatment capacity			
10~60 m ³ /day			
• Quality of treated wastewater			
	Quality of influent	→	Quality of effluent
BOD:	200		15
SS:	160		10
T-N:	50		20
• One unit can be loaded in a marine container (40'HC)			

【Appeal Points】

In Southeast Asian countries, including Indonesia, where remarkable economic development is being achieved, how to treat wastewater properly has become a very important issue. In solving this problem, Japanese-made *jokaso* can contribute greatly. One can not only install a unit more economically in a shorter period compared to a sewerage facility, but also achieve a treatment capability equivalent to or even better than that of a sewerage facility. In short, *jokaso* is a very efficient piece of equipment. Fuji Clean cooperates with its customers by providing support to building-up of a maintenance system for its products that have been installed and puts emphasis on providing training and follow-up activities for maintenance.

● Strong points of Fuji Clean's *jokaso*

- High-levels of wastewater treatment capabilities
- Compact and light-weight units made of FRP
- Installable economically in a short period of time
- Japanese-made products whose quality can be trusted
- Stable quality of treated water realizable through proper maintenance

No. 1 market share in the Japanese market

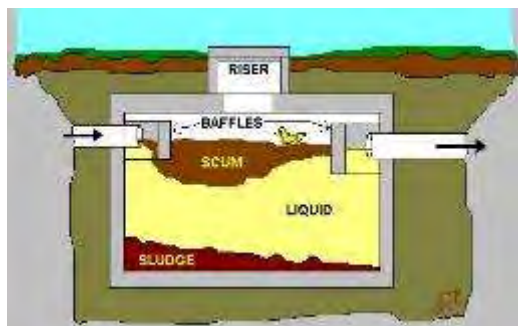
● Difference compared with septic tanks

◇ What is achievable with a septic tank?

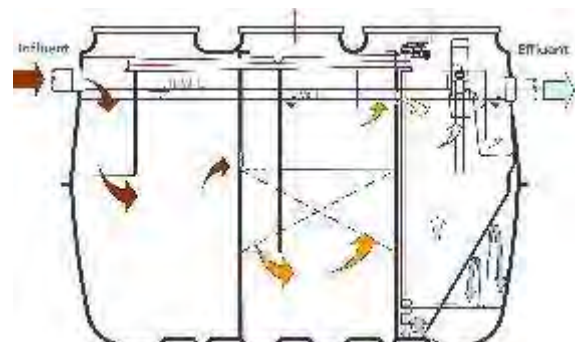
With septic tanks generally used, outside Japan, as domestic wastewater treatment equipment, only anaerobic treatment is carried out after separating solids from liquids, and intermediately treated water is simply extracted from them. Their treatment capabilities are generally merely around 100 mg/L in terms of BOD of treated water, becoming a cause of environmental contamination.

◇ Difference between septic tanks and *jokaso*

Structures are fundamentally different between septic tanks and *jokaso*. While only separation of solids from liquids and anaerobic treatment are carried out in a septic tank, a higher level of treatment of wastewater is achieved in *jokaso* by combining anaerobic and aerobic treatment. As a result, *jokaso* can treat wastewater not only for BOD reduction but also for T-N reduction.



Septic tank



Jokaso

【Types of businesses interested in Indonesia in the future】

- A: Export and sale of products
- B: Local manufacturing of products (at its own factory, factory of cooperating company or other)
- C: Seeking business partners for technical matters, etc. (including joint research)
- D: Seeking information sources (local business coordinator/advisor)
- E: Other (description required)

【Detailed description of business expecting to the potentials in Indonesia】

Seeking companies that are to carry out market researches and sales agents that can help make Japanese-style *jokaso* adopted widely in Indonesia

【Business type/line of company/organization that are targeted as possible business partner(s)】

Developers, construction companies, Japanese-affiliated housing companies, companies saddled with difficulties of domestic wastewater treatment, etc.

【Record of Installation / Actual Performance】 (Use Application)

【In Japan】

- Sales and installation of many units all over Japan (No. 1 market share)
- Top-class research & development system in the industry (development of world's first combined wastewater treatment tank and development of a wastewater treatment tank whose nitrogen-removing capability was certified)



General way of installing *jokaso*



Maintenance training session for *jokaso*

【Overseas】

Our product installed in a kindergarten in Vietnam making use of a supporting program of the Japanese government



Many installation results in Australia and US after setting up a local corporation



Other Special Mentions concerning business activities in Indonesia

Since our *jokaso* is a Japanese-made product, Indonesians can import the product with no import duties, making use of the economic partnership agreement between Indonesia and Japan. We can issue a Certificate of Specific Origin as necessary.

Company Profile

Company name (in English): Fuji Clean Co., Ltd. (in Japanese):フジクリーン工業株式会社

Website: <http://www.fujiclean.co.jp/fujiclean/english/>

Address: 〒464-8613 4-1-4 Imaiike, Chikusa-Ku, Nagoya, Aichi

Tel: +81- (52)-733-0863

Fax : +81-(52)-733-0238

Email: fujiclean@gmail.com

Whether direct contacts from Indonesian companies can be made or not:

Tel: Yes (language to be used Japanese English) · Bahasa Indonesia · Other (specify) · No

Mail: Yes (language to be used Japanese English) · Bahasa Indonesia · Other (specify) · No

Department to contact Overseas Business Division (Title) (Name)
Masaru Kasazaki / Mr.

Tel: +81- (52)-733-0863

Fax: +81-(52)-733-0238

E-mail: fujiclean@gmail.com

Main proprietary patents Many patents have been granted in Japan

Business activities that have been conducted in Indonesia: (Launching Date: Sep, 2010)

A: Export and sale of products B: Local manufacturing of products (at its own factory, factory of cooperating company or other)

C: Seeking a business partner for technological matters, etc. (including joint research)

D: Seeking an information source (local business coordinator/advisor) E: Other (description required) F: None

Space for describing other business: