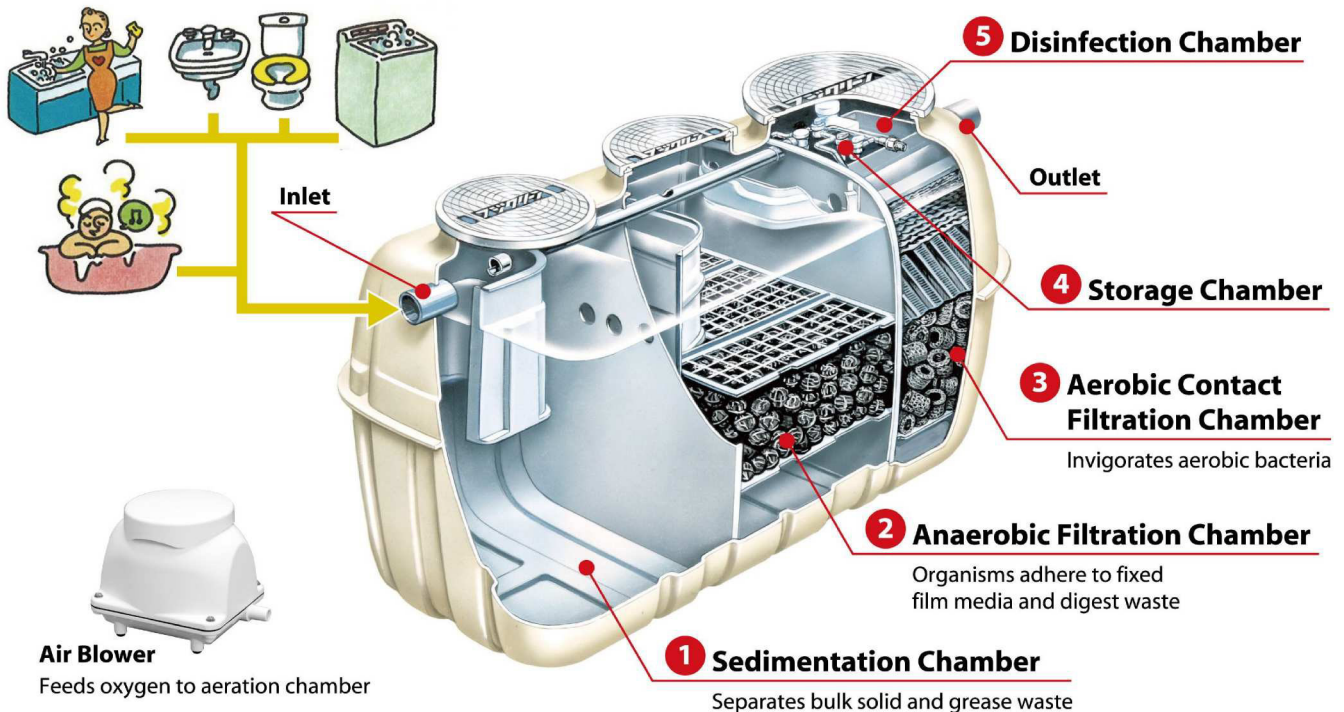


JAPANESE ONSITE WASTEWATER TREATMENT SYSTEM

Fuji Clean CE MODEL



Do you know about *Jokaso*?

- "Jokaso" literally means purification tank in Japanese. In Japan, all household wastewater goes directly into Jokaso which is usually installed underground as a single compact tank. There are basically five functional chambers (sedimentation, anaerobic, aeration, storage and disinfection) in a tank. Such an anaerobic and aerobic combined biological process with high efficiency has been commonly employed as an onsite wastewater treatment system for **over 30 years** in Japan.

FEATURES

Proven Product in Japan

Fuji Clean launched the **CE Model** in 2006 and obtained a very good reputation nationwide in terms of easy maintenance and operation!

Single Blower

Only one blower is necessary for CE model; Simple wiring and piping, and low power consumption!

Commercial Application

Larger CE model is also available for commercial application up to 18m³/day by connecting three units! Easy, quick, and environmental solution!



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SPECIFICATIONS

Model Name		CE 5	CE 7	CE 10	CE 14	CE 18	CE 21	CE 25	CE 30
Equivalent Person (EP)		5	7	10	14	18	21	25	30
Design Hydraulic Loading(m³/day)		1.0	1.4	2.0	2.8	3.6	4.2	5.0	6.0
Capacity (m³)	Sedimentation Chamber	0.749	1.048	1.502	2.113	2.725	3.169	3.767	4.520
	Anaerobic Filtration Chamber	0.751	1.052	1.498	2.106	2.719	3.177	3.757	4.511
	Aerobic Contact Filtration Chamber	0.380	0.482	0.687	0.939	1.214	1.431	1.676	2.006
	Storage Chamber	0.168	0.237	0.339	0.470	0.604	0.703	0.858	1.009
	Disinfection Chamber	0.015		0.021	0.044			0.064	
	Total Volume	2.063	2.834	4.047	5.672	7.306	8.524	10.122	12.110
Dimension (mm)	Max Width : W	1,110	1,250	1,440	1,750	1,840		1,990	
	Max Length : L	2,160	2,430	2,510	3,020	3,385	3,880	3,960	4,665
	Max Height : H	1,570	1,670	1,870	1,965	2,065		2,215	
	Inlet Invert : A	310			400				
	Outlet Invert : B	360			450				
	Inlet and outlet Pipe Size	dia. 100			dia. 125				
	Access cover(m1)	dia. 450							
	Access cover(m2)	dia. 450							
	Access cover(m3)	dia. 450	dia. 600						
Total Weight (kg)		180	210	320	420	480	530	600	700
Correspondent Blower Type		MAC60		MAC80	MAC100	MAC120	MAC135	MAC150	MAC200
Container type		40'	40'	40'	40'	40'	40'	40'	40'HR
Qty to be put into a container		10	4	4	4	3	3	3	2

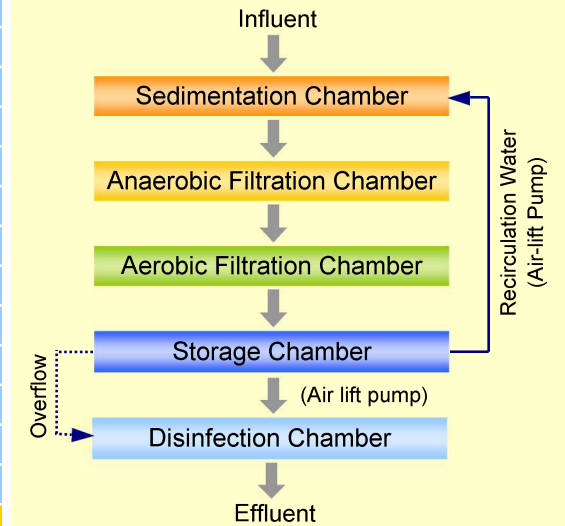
Design Effluent Quality

BOD: equal or less than **20mg/L**

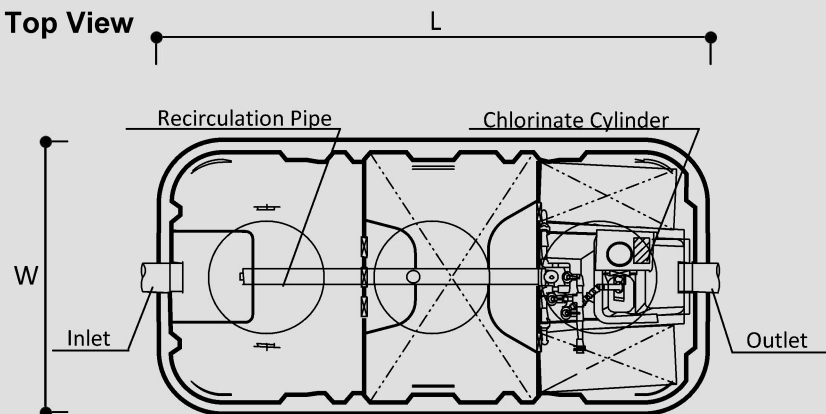
SS: equal or less than **20mg/L**

T-N: equal or less than **20mg/L**

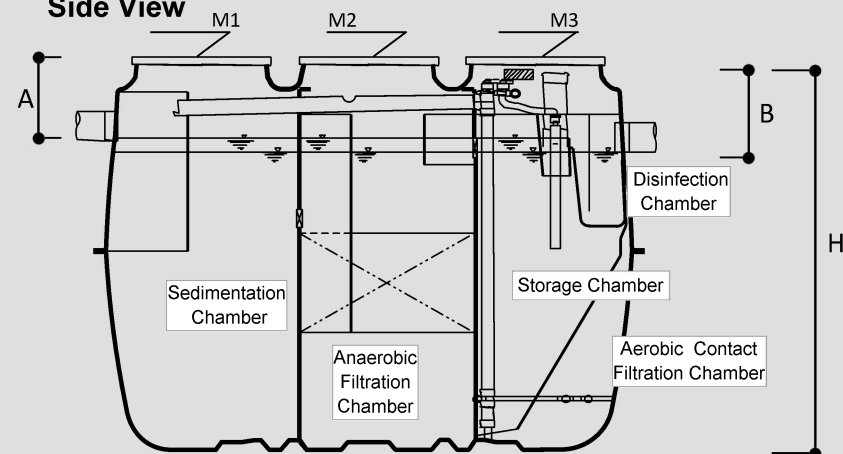
Multi-stage Integrated Unit



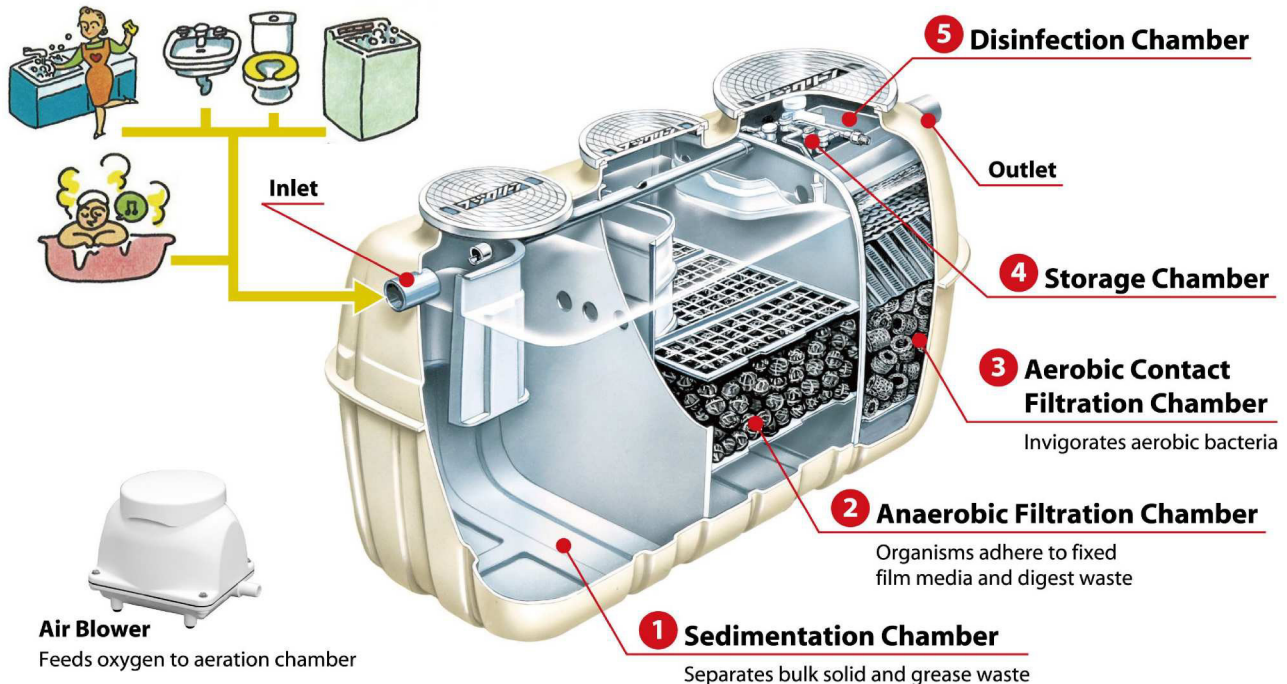
Top View



Side View



Fuji Clean **CE Model**



What is Jokaso?

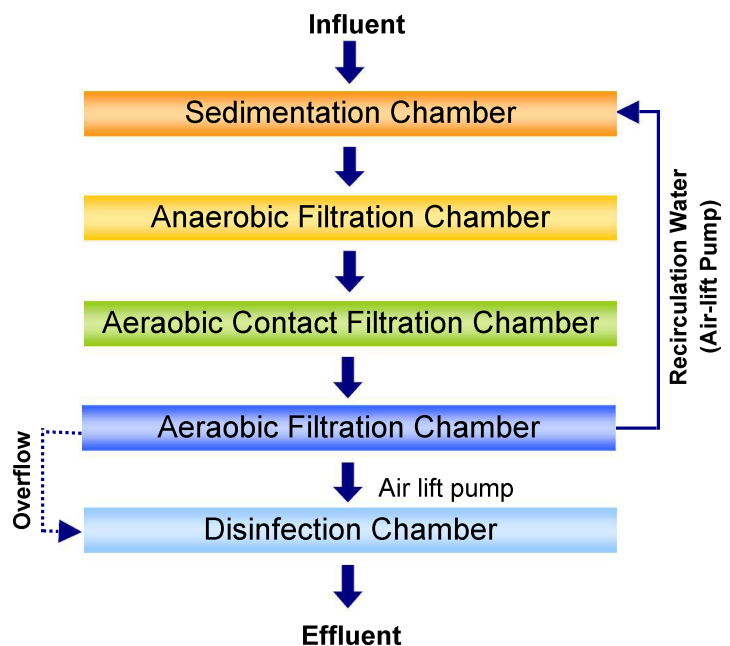
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Various types and sizes are available from small residential units (total numbers in Japanese market are 200,000 units annually and 9 million units up to now) to large commercial units (200 m³/day). Now such residential units are also available in USA and Australian markets from FUJI CLEAN.

Design Effluent Quality

BOD: equal or less than 20mg/L
 SS: equal or less than 20mg/L
 T-N: equal or less than 20mg/L
 Thermotolerant coliforms: less than 200cfu/100mg/L



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Disinfection Chamber	0.015	0.015	0.021
Total Volume	2.063	2.834	4.047
Dimension (mm)			
Max Width : W	1,110	1,250	1,440
Max Length : L	2,160	2,430	2,510
Max Height : H	1,570	1,670	1,870
Influent Invert	310		
Effluent Invert	360		
Influent and Effluent Pipe Size	dia. 100		
Manhole lids(m1)	dia. 450	dia. 450	
Manhole lids(m2)	dia. 450	dia. 600	
Others			
Total Weight (kg)	180	210	320
Required Air Flow Volume	60L/min	80L/min	

Easy Maintenance

The "Contact Filter Bed Process" is the unique treatment method developed by Fuji Clean. The aeration pipes can be cleaned simply by inserting a brush under air or water flow. This makes maintenance work

Nitrogen Removal

Although CE model is small and compact, its performance is reliable - BOD and TSS in the effluent are less than 20mg/L and 20mg/L, respectively. In addition, nitrogen, which is one of the cause of Eutrophication, can be removed to less than 20mg/L. This is more earth-friendly unit!

