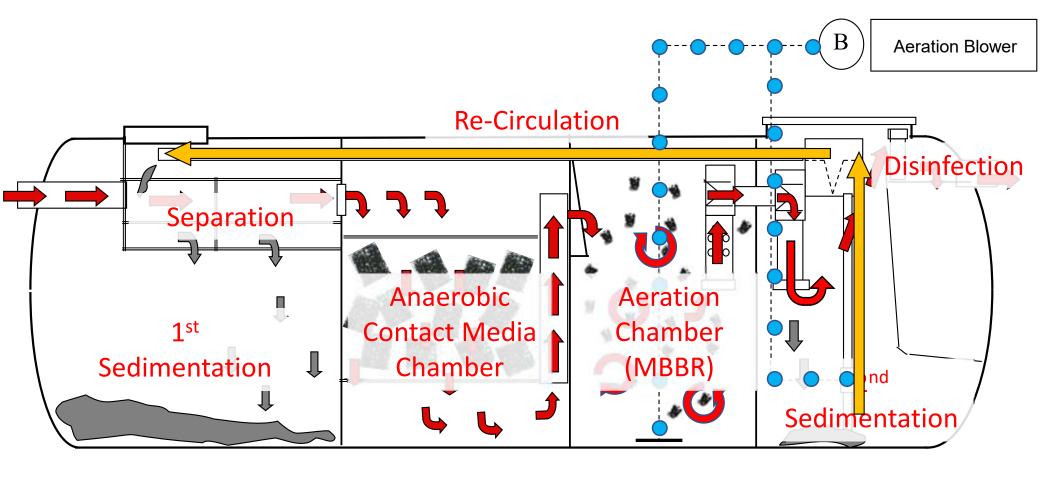
Technical explanation for Johkasou-STP

Image of inside & function of each chamber

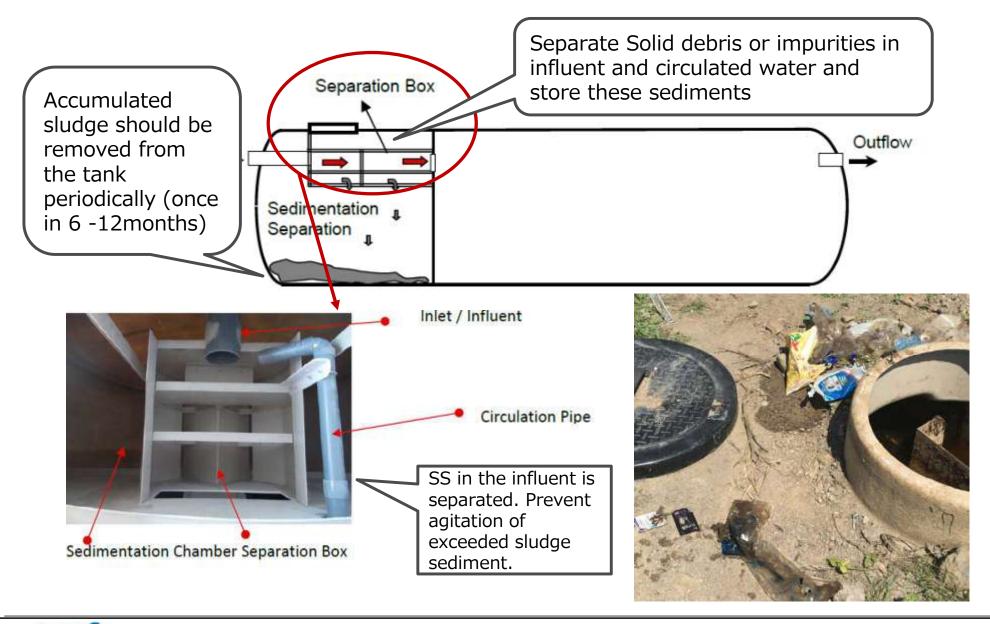
■ By gravity flow & only small blower air, always water flow inside Johkasou, and treat again and again





1st Chamber_ Separation & 1st Sedimentation RT: 3 to 4 hrs

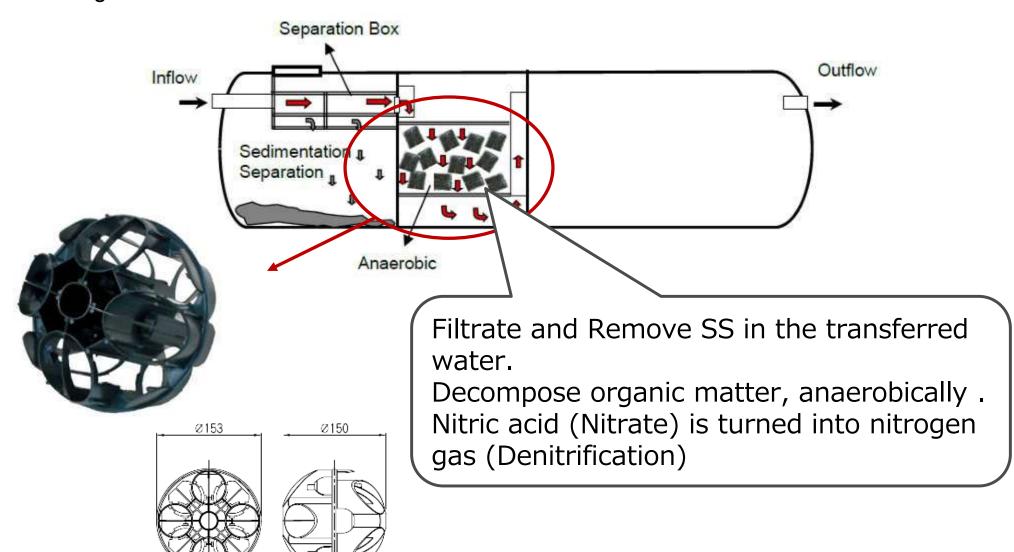
Separating solid waste and liquid waste based on their gravity





2nd Chamber_ Anaerobic Contact Media Chamber RT: 5.5 to 7.3 hrs

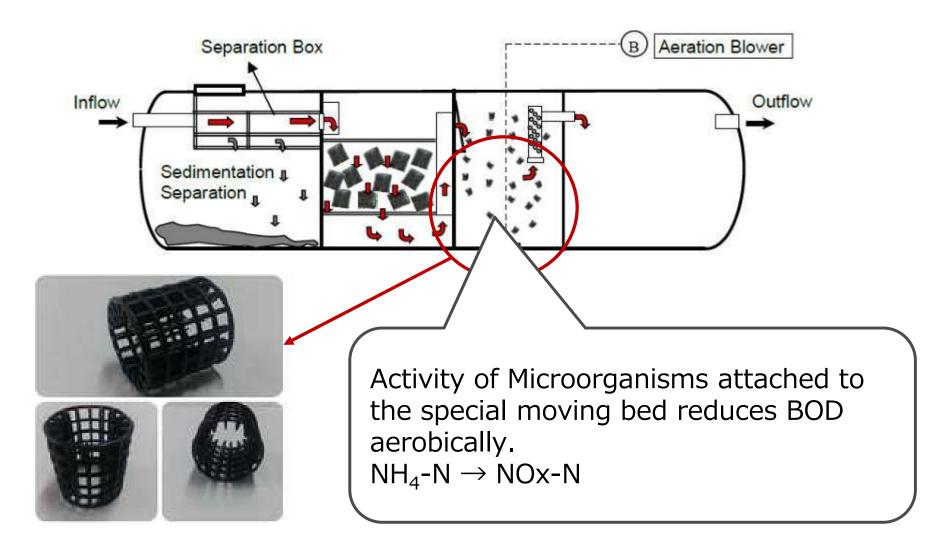
Anaerobic media is the place where microorganism is growing up to decompose organic material contained in domestic waste water





3rd Chamber_ Aeration Chamber: MBBR RT: 6 to 8 hrs

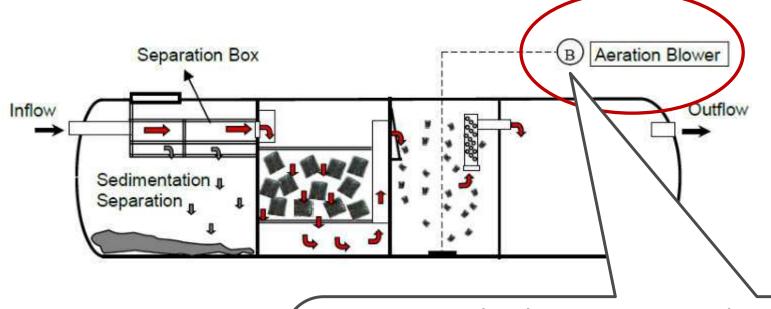
Moving bed chamber filled by Moving Bed Media that move by blower aeration This Chamber fill this up with 40-50% of the volume





Unique Design of Air Blowers

■ Air Blower unique features are

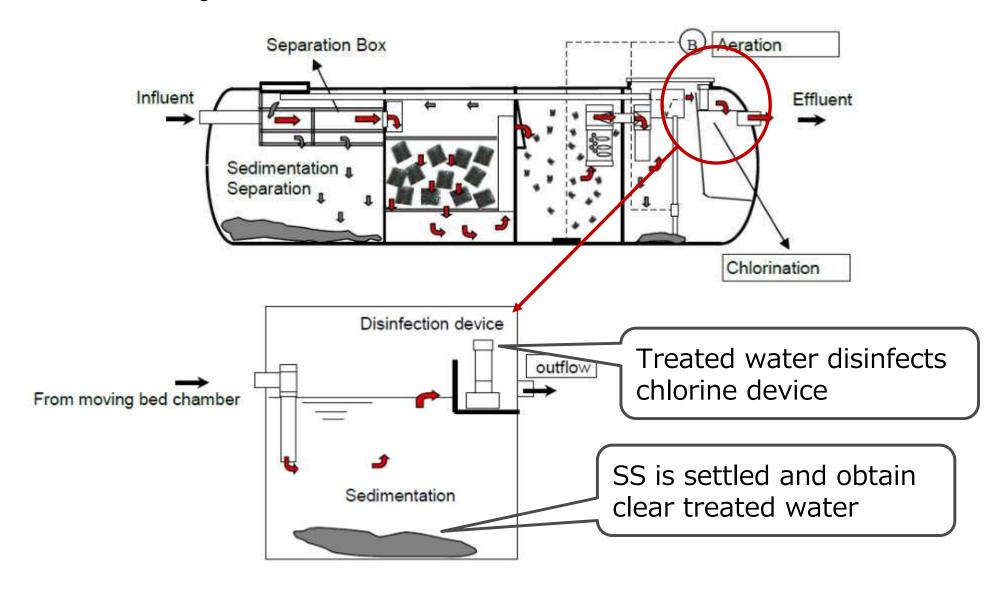


- 1. Magnetic diaphragm operated Blower
- 2. Noise level < 48 DB
- 3. Less space is require
- 4. Single phase connection
- 5. Maintenance free only filters need to clean once in a month.



4th Chamber_ 2nd Sedimentation & Disinfection RT: 2 to 2.7 hrs

Disinfectant as a sterilization agent pathogenic microorganisms in the treated water before discharged into the environment





Most important function_ Re-Circulation system

■ This part is Sedimentation and Circulation Chamber for re-treatment those water Water treat again & again. And go to 2nd Anaerobic for De-nitrification.

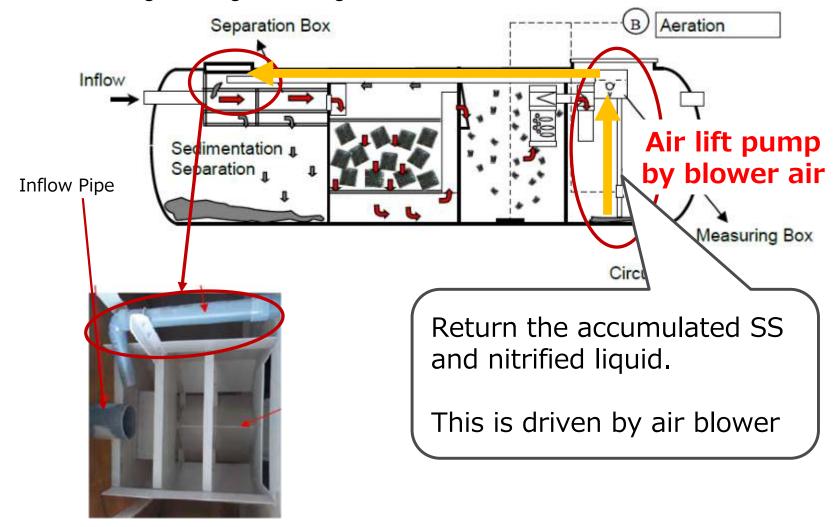
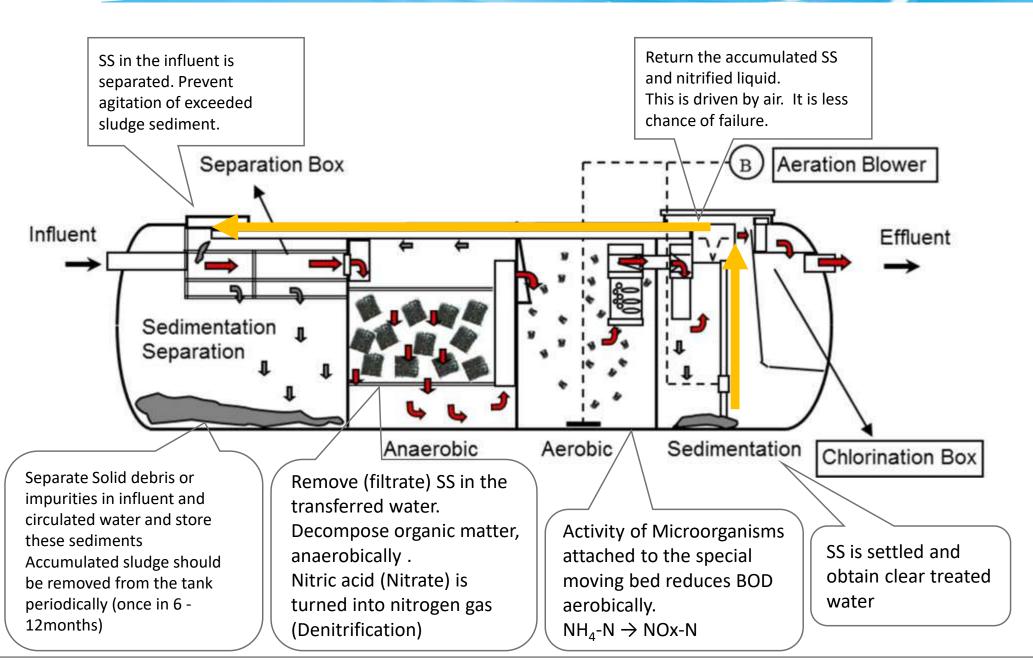




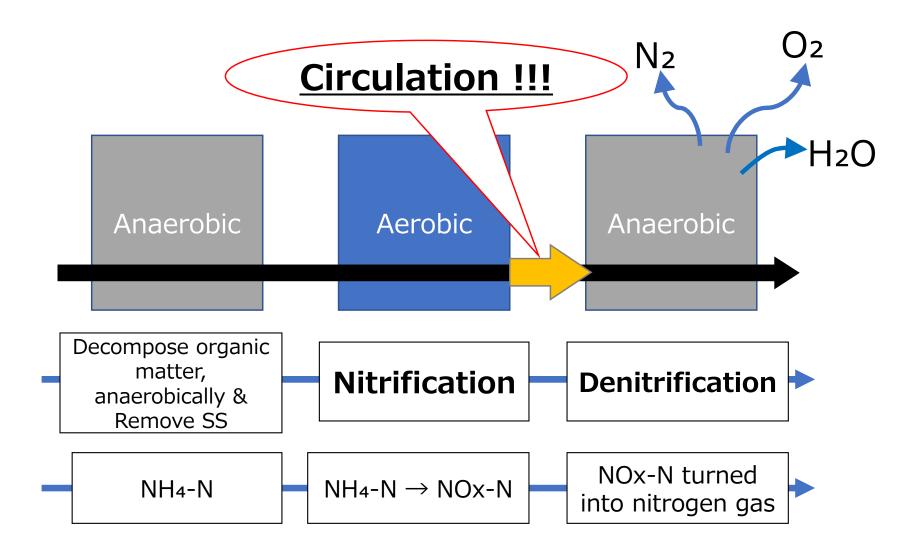
Image of inside & function of each chamber





Key point for the Treatment

Key point for the treatment is to react 'Nitrification' and 'De-nitrification' continuously in succession





Comparison table by products

Compare than house use treatment system, Johkasou is compact and high performance of treatment

Image

For

Process

Treatment performance

Effective Capacity

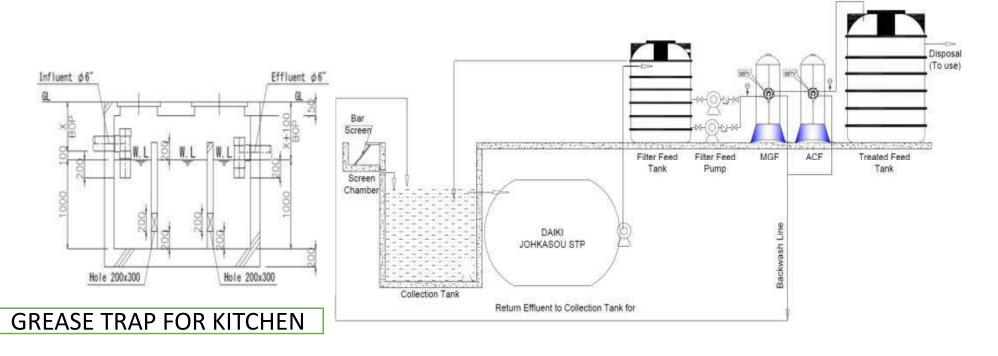
Construction (Example : 20KLD)

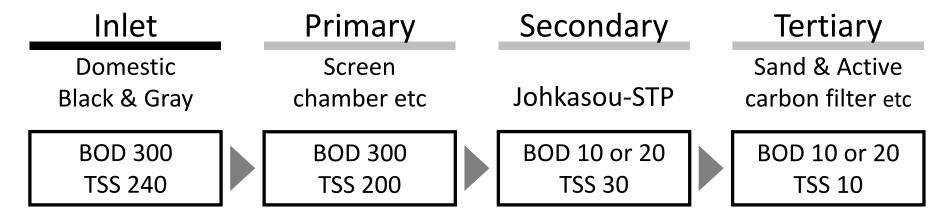
Area Space (Example : 20KLD)



Solution for type of the Wastewater Treatment

■ Daiki Axis provide suitable solution for each type of installation







Unique sales points & Features of 'Johkasou-STP'

■ Johkasou-STP solve all your problem about domestic waste water treatment

50% Save Energy Cost

No need Operator

Quick Maintenance

Nitrogen Treatment

No Leak Smell No noisy Sound No need Equalization Tank

Shock Flow Control

1 day Installation

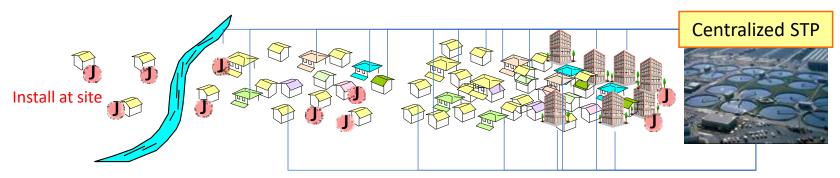
High Treatment Performance



Main concept of Johkasou-STP

'Treat at site, reuse at site' is main concept of Johkasou-STP, and most suitable concept for Indian demand & circumstances

'Treat at site, reuse at site'



Piping installation & maintenance

Johkasou STP

- Treat at site, reuse at site
- Following development speed, it can install & increase
- Building by building, block by block it can install
- > Small CAPEX

Centralized STP

- Piping cost from house to STP & STP to discharge location
- Based on Long years city development plan
- > Pipe maintenance & replacement
- Big CAPEX



Performance of JOHKASOU-STP

■ Johkasou-STP Al-type & AlJ-type are low maintenance & energy consumption model And it's approved any pollution control board regulation

Performance

Inlet	Parameter	A I-type Outflow	A I J-type Outflow
6 – 8	рН	6 – 8	6 – 8
300	BOD	20	10
400	COD	50	25
240	SS	30	20
40	Oil & Grease	10	10
50	T-N	45	10



Features_ Running Cost_ Comparison table

■ You can save the Running cost very big ratio with Johkasou-STP!

Running Cost comparison

	Johkasou STP	Conventional STP	Save the Running Cost
10KLD	0.21 Lakhs	1.29 Lakhs	1.1 Lakhs
50KLD	0.62 Lakhs	3.91 Lakhs	3.3 Lakhs
100KLD	1.63 Lakhs	7.55 Lakhs	5.9 Lakhs



We Believe Your support for considering us...



