

Model	EBT-2.5	EBT-5	EBT-7.5	EBT-10	EBT-12.5	EBT-15	EBT-20
Average capacity (Lit/day)	2500	5000	7500	10000	12500	15000	20000
BOD load (g/day)	875	1750	2625	3500	4375	5250	7000
Dimension	Diameter (m)	1.4	1.6	1.8	1.6	1.8	2
	Height (m)	2	2	2	2.5	2.5	2.5
Weight (Kg)	200	250	300	350	400	450	500
Blower	Air flow (Lit/hour)	75	150	225	300	375	500
	Pressure (mbar)	200	200	200	250	250	250
	Power consumption (Kw)	100	100	200	200	300	300
Pump	Flowrate (Lit/hour)	105	210	315	420	525	630
	Head (m)	5 ~ 7					
	Power consumption (Kw)	0.750 ~ 1.150					
Power source	AC440Vx60Hzx3p / AC415,400,380Vx50Hzx3p						
Material	tank body	Coretube P.E. / ST37					
	Piping	P.E. / P.V.C.					

Features

- Super small type and easy maintenance.
- High Capabilities

Reviewing the bio-filter method from the start and pursuing the method treatment efficiency to the limit have realized a new sewage treatment plant which meets the new standards, though it is a small plant.

- Fully Automatic Integrated Type

A pump and a blower are mounted on the device. Therefore, piping and wiring works are simplified.

These devices are fully automatic except a few maintenance and control, such as removal of sludge and filling disinfectant, etc.

- UV Sterilizer

UV and chlorine allows achievement of more proper sterilization and, at the same time, the effect of neutralization of residual chlorine by UV Sterilizer reduces the concentration of the residual chlorine in the treated water to a very low level

- The stability period is shorten.



Engineers Brothers

“Solution pollution”

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Product Description

The "EBT Series" are compact sized sewage treatment plant with superior performance capabilities, designed exclusively for residential sites, and which were developed by Engineers brothers company with high technology of many years experience in wastewater treatment. These plants can be installed in all smaller residential housing groups or tourist accommodation sites.

Structure

The Bio-Filter Method is a processing sewage by utilizing a biological film. Packing media are placed in the tank and liquid sewage is circulated around it by means of aeration. The sewage contacts the biological film causing growth of bacteria on the surface of packing media and organic matter (BOD source) is treated by biochemical oxidation.

1. Bio Filter Tank

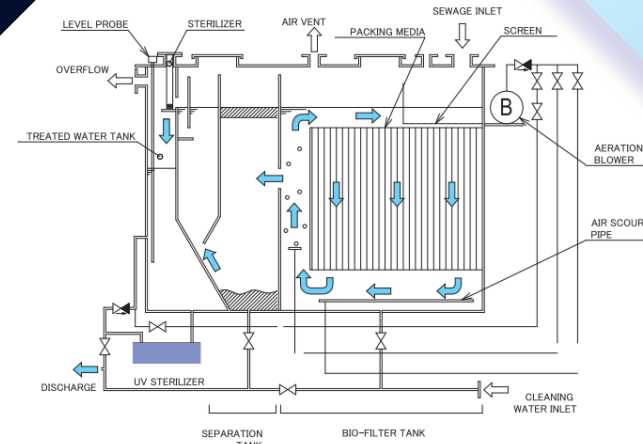
Sewage from toilets flows into the Bio-filter Tank. Foreign objects which could obstruct operation of the plant are held by a screen. Air from a blower causes circulation of the liquid and breaks up the solids. It also supplies oxygen to the microorganisms attached to the packing media.

2. Separation Tank

This tank allows static deposition of the Suspended Solid (SS) content included in the treated water after organic matter has been resolved in the bio-filter tank, a floating scum is also resolved.

3. Treated Water Tank

The treated water from which SS constituents have been removed in the separation tank overflows, is mixed with the chlorine which has been dissolved out of the sterilizer, and then accumulates in the treated water tank, where it is sufficiently sterilized by chlorine and the UV sterilizer (by circulation). And then it is automatically discharged.



The "EBT Series" are typically installed in ground after a septic tank. The septic tank should be supplied locally from one of many standard suppliers. Alternatively it can be casted on site in concrete.