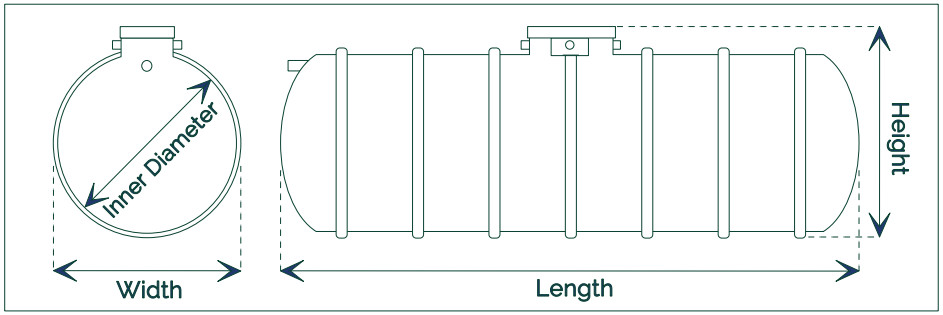
Sl.No	No. of users	Capacity in Liters	Inner Diameter in mm	Length		Width		Height	
				mm	feet	mm	Feet	mm	Feet
1	8	1200	1000	1600	5.2	1000	3.3	1100	3.6
2	10	1500	1000	2100	6.9	1000	3.3	1100	3.6
3	13	2000	1000	2745	9.0	1000	3.3	1100	3.6
4	20	3000	1200	2880	9.4	1200	3.9	1300	4.3
5	27	4000	1500	2600	8.5	1500	4.9	1650	5.4
6	33	5000	1500	3150	10.3	1500	4.9	1650	5.4
7	40	6000	1500	3650	12.0	1500	4.9	1650	5.4
8	53	8000	1800	3500	11.5	1800	5.9	1945	6.4
9	67	10000	1800	4300	14.1	1875	5.9	1995	6.5
10	80	12000	1800	5100	16.7	1875	6.2	1980	6.5
11	100	15000	1800	6200	20.3	1875	6.2	1990	6.5
12	133	20000	2200	5700	18.7	2275	7.5	2390	7.8
13	167	25000	2200	7000	23.0	2275	7.5	2390	7.8
14	200	30000	2200	8300	27.2	2275	7.5	2390	7.8
15	233	35000	2200	9600	31.5	2275	7.5	2390	7.8
16	267	40000	2200	10900	35.8	2275	7.5	2390	7.8
17	300	45000	2400	10400	34.1	2550	8.4	2625	8.6
18	333	50000	2400	11500	37.7	2550	8.4	2625	8.6



HEXAPURE

6 Chambered Advanced Bio Septic Tank





HEXAPURE

Edaiyanvillai,Santhaiyadi Post
Kanyakumari District- 629703
Tel : +91 8903488003
Email : Hexapure@gmail.com
Website : www.Hexapure.com

Hexapure

Advanced Technology: Utilizes advanced biological treatment technology for effective wastewater treatment.

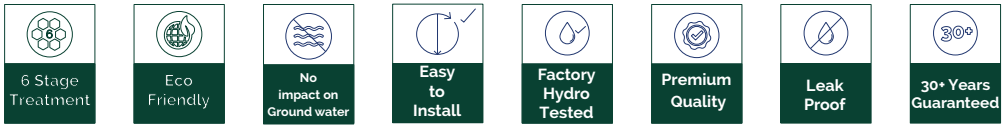
Enhanced Microorganism Growth: Features fill pack media and polygrass lining to promote improved microorganism growth.

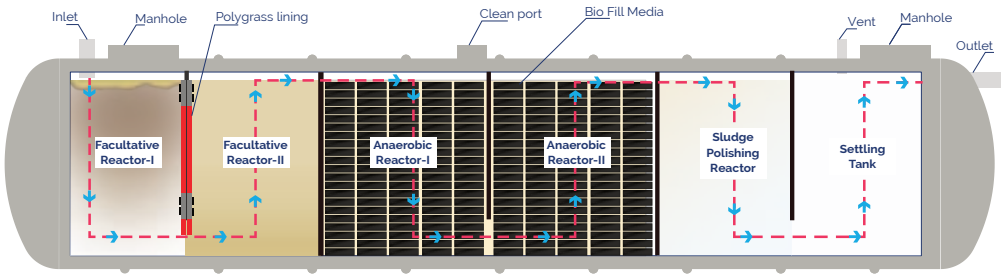
TexturaTough Microbial Habitat: The tank's partitions and interior feature a rough finish and corrugated design, promoting an increased surface area. This optimizes conditions for enhanced bacterial growth and improved water quality.

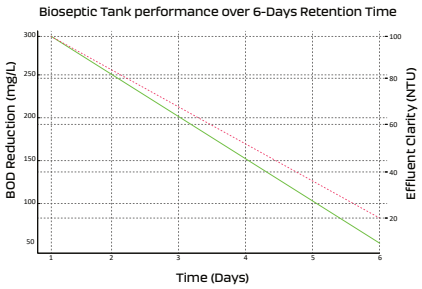
High Pollution Removal: Achieves over 98% pollution removal, ensuring a high standard of septic water treatment.

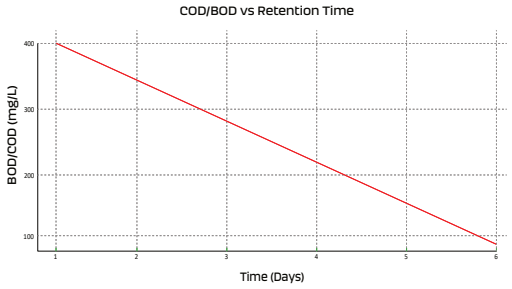
Warranty Options: Lifetime warranty offered for our Bio Septic Tank.

Stability: Represents one of the most stable processes in the market, ensuring reliability.



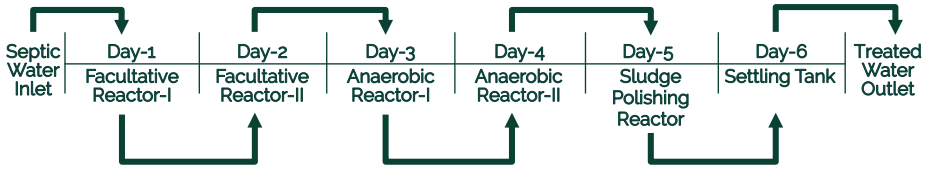






The Technology in Tank

The bioseptic tank utilizes an **anaerobic reactor system** to break down organic matter without the presence of oxygen. This advanced technology effectively treats wastewater by leveraging microbial activity to decompose waste, producing clean, treated effluent. With zero maintenance and operational costs, the bioseptic tank offers a highly cost-effective and environmentally friendly solution for wastewater treatment, ensuring minimal environmental impact while maintaining high standards of treatment.



Bio septic tank flow diagram

Facultative Reactor-I

In a facultative reactor, microbes break down waste, and solids settle to produce cleaner water. The upper section is aerobic, where organic matter is broken down with the help of oxygen, while the lower section is anaerobic, where waste is processed in the absence of oxygen.

Facultative Reactor-II

The upper chamber is aerobic, where organic matter is broken down using oxygen, while the lower chamber is anaerobic, processing waste in the absence of oxygen. The bacteria present in both chambers are capable of functioning in either environment, which enhances the overall treatment efficiency.

Anaerobic Reactor-I

The anaerobic reactor further promotes the process of anaerobic digestion, effectively assisting in the breakdown of organic matter and the reduction of harmful pathogens. This process aids in sludge treatment and contributes to the efficient operation of a bio-septic tank, improving waste management and water quality.

Anaerobic Reactor-II

Anaerobic Reactor - II efficiently treats wastewater through anaerobic digestion, promoting the breakdown of organic matter and enhancing the overall effectiveness of the system. This reactor is designed to handle higher sludge volumes and more complex waste types, improving the treatment capacity. It reduces harmful pathogens, minimizes odor, and ensures a more stable treatment process. By optimizing the anaerobic process, Reactor II contributes to better effluent quality and supports sustainable wastewater management.

Sludge Polishing Reactor

The Sludge Polishing Reactor continues anaerobic digestion, fostering the further breakdown of organic matter to ensure thorough wastewater treatment. This reactor enhances the quality of effluent by removing remaining solids and reducing residual contaminants, improving the overall efficiency of the treatment process. By providing additional treatment stages, it helps achieve higher standards of wastewater quality and supports environmental sustainability.

Settling Tank

The Settling Tank facilitates the sedimentation process, allowing solid particles to settle at the bottom, resulting in clear water in the final stage of the Bioseptic Tank process. This step effectively removes suspended solids, improving the quality of treated water before it is discharged or further processed. By ensuring the removal of residual sludge and particles, the settling tank plays a crucial role in achieving clean effluent and maintaining system efficiency.