



NIXIE
ENGINEERS PVT. LTD.

COMPLETE WATER SOLUTIONS



FBTecTM





- FBTec is one of Sewage treatment process of removing contaminants from wastewater, primarily from domestic sewage. Essentially this system is a hybrid reactor where attached growth and suspended growth activity takes place simultaneously.
- This process uses fixed media to retain an active biomass to reduce the influent BOD Levels. Tubular diffusers are used with the fixed media giving a good air dispersal.
- Small foot print, stable process, lesser sludge production and modular installations are the key features of this process.

Typical power consumption, treatment cost, footprint and sludge production

Model No	Capacity (Unit) KLD	Electricity Consumption per Day, kW	Treatment Cost* per Day, kW	Area Required for Plant, ft2	Sludge Produced per day, kg	Number of Users per Model		
						Residential	Office	Education
FBTec - 5	5	8.16	0.0108	25	.5	33	62	100
FBTec - 10	10	21.53	0.0142	50	.9	66	125	200
FBTec - 20	20	31.03	0.0102	250	1.5	133	250	250
FBTec - 50	50	73.3	0.0097	400	3.9	333	625	625
FBTec - 100	100	130.5	0.0086	700	7.8	700	1300	1300
FBTec - 200	200	212.7	0.0071	1200	15.6	1300	2500	2500

References :

- KLE Hospital Yellur Road, Belgaum 200 KLD
- Athani School, Karnataka 10 KLD
- Dharwad School, Karnataka 20 KLD



FB Tec Media

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