SINCE 1975
Sintex PSTP TANKS

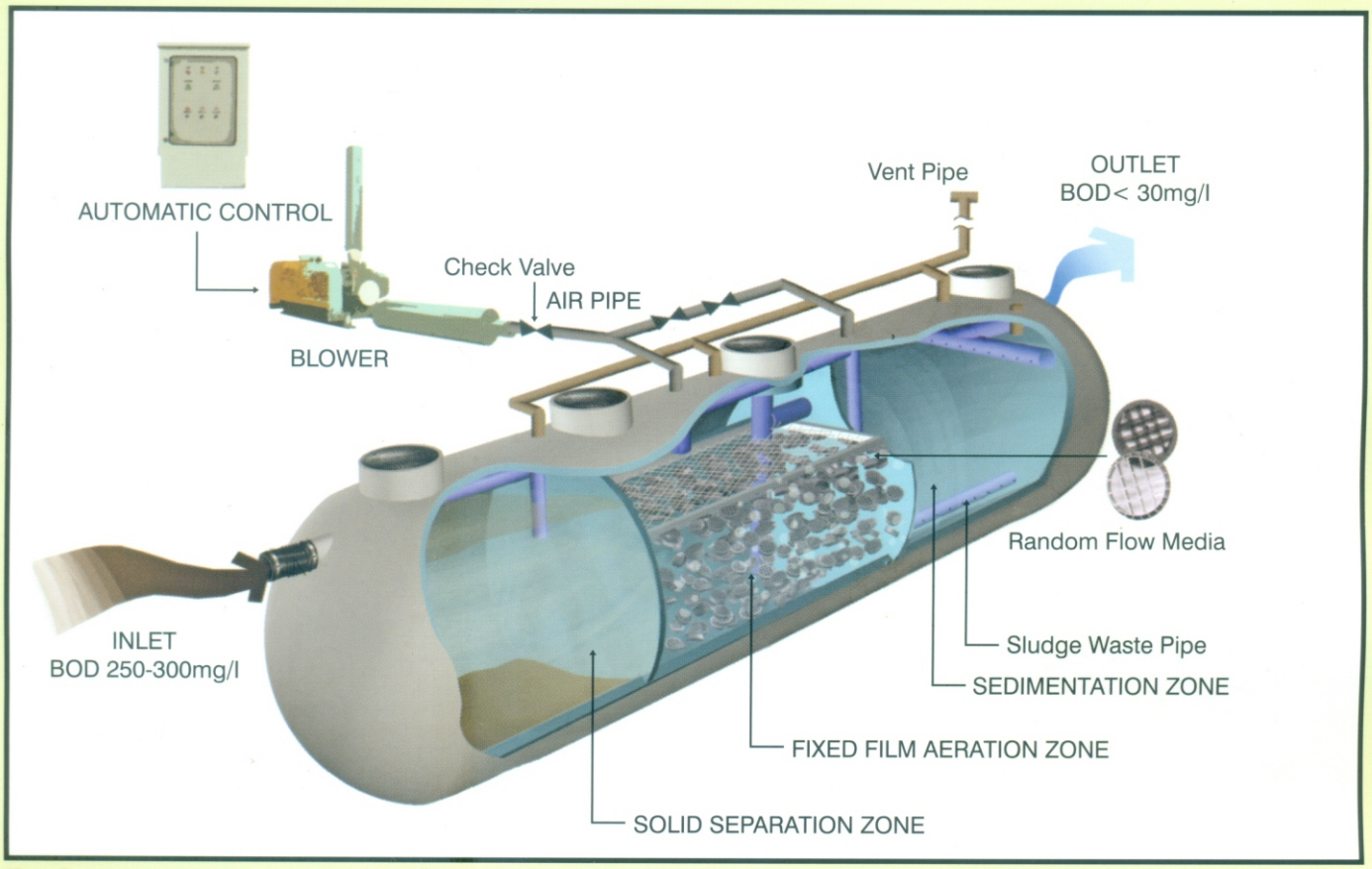
Package Sewage Treatment Plants



SINTEX
ACTIVE THINKING

TOLL FREE NO.: 1800-121-2764

NBF series for Medium and Large applications



For Communities / Institutions

No. of Users	Specification	Model															
		NBF-10	NBF-15	NBF-20	NBF-25	NBF-30	NBF-35	NBF-40	NBF-45	NBF-50	NBF-60	NBF-70	NBF-80	NBF-90	NBF-100	NBF-120	NBF-150
	Residential (150 lpcd)	67	100	133	167	200	223	267	300	333	400	467	533	600	667	800	1000
	Office (80 lpcd)	125	187	250	312	375	437	500	562	625	750	875	1000	1125	1250	1500	1875
	Toilet (50lpcd)	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2400	3000
	Educational Institutions (80 lpcd)	125	187	250	312	375	437	500	562	625	750	875	1000	1125	1250	1500	1875

lpcd: litres per capita per day.

First Time In India

Sintex

Package Sewage Treatment Plants



World over there is now recognition that decentralized wastewater treatment is a better alternative to a centralized wastewater treatment system from the angle of investment, energy consumption and efficiency. There are many areas within cities, towns and villages that are impossible to cover through centralized treatment system. It has, therefore, become imperative to evolve decentralized treatment systems that take care of proper treatment and disposal of sewage.

In line with our innovative past, we now bring to you Sintex Package Sewage Treatment Plants that are compact and can be used in a decentralized manner anywhere for proper treatment. To give the best solution we have tied up with world leaders in this area, M/s. Aqua Nishihara Corporation, Japan.

Sintex Package Sewage Treatment Plants are based on anaerobic and aerobic process and designed to have dual functions for efficient treatment of domestic wastewater from toilets, bathrooms, kitchen and washing area.

Available in two variants

1. Series NBF for medium and large applications like High rise Residential Apartments, Commercial Complexes, Super Malls, Hospitals, Hostels, Universities, Schools, Large Office Buildings, Factories, Institutions etc.
2. Series PWTS-AM for domestic and commercial applications such as Individual Houses, Low rise Residential Apartments, Villas, Bungalows, Row Houses, Dhabas, Restaurants, Canteens, Offices, Small Factories etc.

Advantages

- 100% eco friendly
- Rust proof
- Leak proof
- Durable
- Light weight
- Easy to install
- Excellent performance through massive reduction of BOD
- Sludge handling once in 12-18 months

Operation Principle:

1. **Solid Separation Zone:**

   First stage transforms the influent solids to settled solids while allowing scum to float on the surface. It is a primary sedimentation zone in which settled sludge is stabilized by anaerobic digestion. The treatment efficiency of the chamber is in the range of 30% BOD removal.

2. **Aeration Zone:**

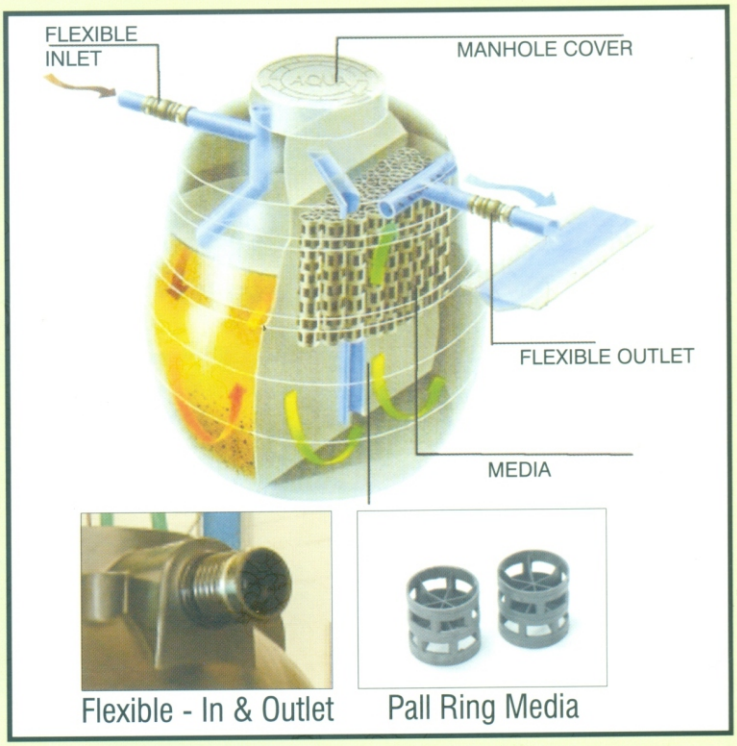
   Second stage is the aerobic zone along with plastic media inside the tank which in turn increases the surface area and retain micro-organism long enough to digest the organic substance. Clear water overflows to the next treatment chamber. Air is provided through blowers and higher contacting time with the slime on the plastic media facilitates efficient digestion. BOD removal is around 60%.

3. **Final Sedimentation Zone:**

   Final stage involves the sedimentation where organic wastes are settled in the sedimentation zone. The settled waste in the bottom of the tank is pumped back to the solid separation zone as a return sludge having active biomass (MLSS) to increase the efficiency of the system and to ensure that the effluent quality meets the stipulated PCB standards.

Anaerobic PWTS-AM series for Domestic and Semi Commercial Places

Dimensions				
Model	Diameter (mm)	Height (mm)	Inlet/Outlet Pipe (mm)	Vent (mm)
PWTS-AM-80-01	1100	1450	100	50
PWTS-AM-120-01	1300	1400	100	50
PWTS-AM-160-01	1440	1550	100	50
PWTS-AM-180-01	1490	1615	100	50
PWTS-AM-200-01	1540	1640	100	50
PWTS-AM-300-01	1830	1880	100	50
PWTS-AM-400-01	1900	2020	100	50
PWTS-AM-500-01	1970	2280	100	50
PWTS-AM-600-01	2070	2510	100	50



Flexible - In & Outlet

Pall Ring Media

For individual family



Number of Users					
Model	Residential (150 lpcd)	Office (80 lpcd)	Educational Instiutions (80 lpcd)	Toilet (50 lpcd)	Canteen (20 lpcd)
PWTS-AM-80-01	4	6	6	10	20
PWTS-AM-120-01	6	8	8	16	30
PWTS-AM-160-01	10	13	13	22	50
PWTS-AM-180-01	12	15	15	24	60
PWTS-AM-200-01	14	18	18	28	70
PWTS-AM-300-01	16	23	23	46	80
PWTS-AM-400-01	20	26	26	52	100
PWTS-AM-500-01	24	33	33	66	120
PWTS-AM-600-01	32	40	40	80	160

lpcd: litres per capita per day

The specifications and information given herein are in good faith but without warranty.

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