



## YOUR HEALTH IS OUR CONCERN

### ADVANCE SEPTIC TANK

In traditional septic tanks, the liquid portion of the waste leaves the system and may eventually reach groundwater or surface water, depending on local hydrology, which may be your source of drinking water. Domestic wastewater contains bacteria, viruses, household chemicals and excess nutrients such as nitrates, etc., all of which can cause health problems. Chemicals improperly released through a septic system can also pollute the local water sources that you and your community may use for drinking and recreational activities. To eradicate this problem and ensure the longevity of your septic tank, Sintex Advanced Septic Tank is the most reliable solution.



# WE MAKE SENSE.

### ADVANCE SEPTIC TANK FEATURES

- Rust and leak proof
- Excellent performance through massive reduction of BOD
- Recycle sewage water, can be used for irrigation
- Easy to install



(Branch office stamp).



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## SINTEX ADVANCED SEPTIC TANK

The primary focus of Sintex Advanced Septic Tank is to protect the health of your family, the community and the environment. This system is designed to hold, treat and use/dispose domestic waste/wastewater, while preventing drinking water contamination at the source; which makes good sense when it comes to public health, the economy and the environment. One of the most important reasons why your role in this is necessary is maintenance costs and property value. This is because failed septic systems are expensive to repair or replace and can also cause property values to decline. For these reasons, it's quite important for you to take the right step towards wastewater treatment of your household. The Sintex Advanced Septic Tank series is manufactured in collaboration with M/s Aqua Nishihara Corporation, Japan – a world leader in Wastewater Treatment System.



## HOW THE ADVANCED SEPTIC TANK WORKS

Wastewater from toilet, sink, shower, washing machine and other drain flows through the household sewer drain pipe reaches into a septic tank. The septic tank provides a number of important functions through a complex interaction of physical and biological processes. The septic tank receives sewage from the house, separates solid waste from liquid waste, stores separated solid waste and passes the liquid waste out of the tank for final treatment and use/disposal.

The main function of the septic tank is to remove solid waste from liquid waste. The process relies on gravity and time to naturally separate the wastewater into three layers:

### SCUM

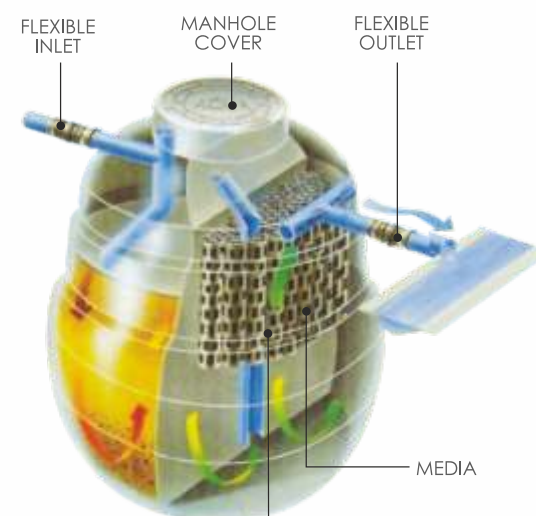
Substances lighter than water (oil, grease, fats) float to the top, forming a layer on top of the water.

### SLUDGE

Substances heavier than water (soil, unconsumed food particles) settle to the bottom of the tank and form a sludge layer.

### EFFLUENT

This is the wastewater left between the scum and sludge layers. The effluent flows through the tank outlet to the soak-pit/drain-field where natural treatment occurs.



FLEXIBLE - IN & OUTLET



PALL RING MEDIA

## ADVANTAGES OF SINTEX ADVANCED SEPTIC TANK

Sintex Advanced Septic Tank comes with far more long term benefits than any other tank material. Being an effective alternative, these tanks are made from a combination of polyethylene (LLDPE). This offers a robust solution and provides various benefits. Also, the total treatment rate for Sintex Advanced Septic Tank is

approximately 70%, where the water can be used either for irrigation/farming purpose or can be disposed of into the drainage line or soak pit.

SINTEX ADVANCED SEPTIC TANK	CEMENT SEPTIC TANKS
Rust/corrosion proof, leak proof, not prone to cracking	Crack/leakage problem
100% eco-friendly	Risk for environment
Weights less than other materials (re-locatable)	Cannot be moved
Value for money	Expensive to maintain
Completely water & air-tight	Responsible for water & air contamination
Easier to install and repair than other materials	Time taking in manufacturing & installation
Designed to add to resilience and strength	Weak strength
Excellent performance through massive reduction of BOD	Very low performance
Recycled water can be used	Water cannot be used
Protects from waterborne diseases	Spreads waterborne diseases

## CAPACITY AND USES OF ADVANCED SEPTIC TANK

Sintex Advanced Septic Tanks are manufactured in various sizes and shapes keeping in mind the usability aspect:

SINTEX ADVANCED SEPTIC TANK					
Septic Tank Capacity (Litres)	Residential/Bungalows/Tenements/Villas/Farm House (1.50 LPCD*)	Office/Small Factories/Training Center (80 LPCD*)	Educational Institutions/Schools (80 LPCD*)	Only Toilet Water (50 LPCD*)	Canteen (20 LPCD*)
800	4	6	6	10	20
1200	6	8	8	16	30
1600	10	13	13	22	50
1800	12	15	15	24	60
2000	14	18	18	28	70
3000	16	23	23	46	80
4000	20	26	26	52	100
5000	24	33	33	66	120
6000	32	40	40	80	160

\* LPCD – Litres Per Capita Per Day