

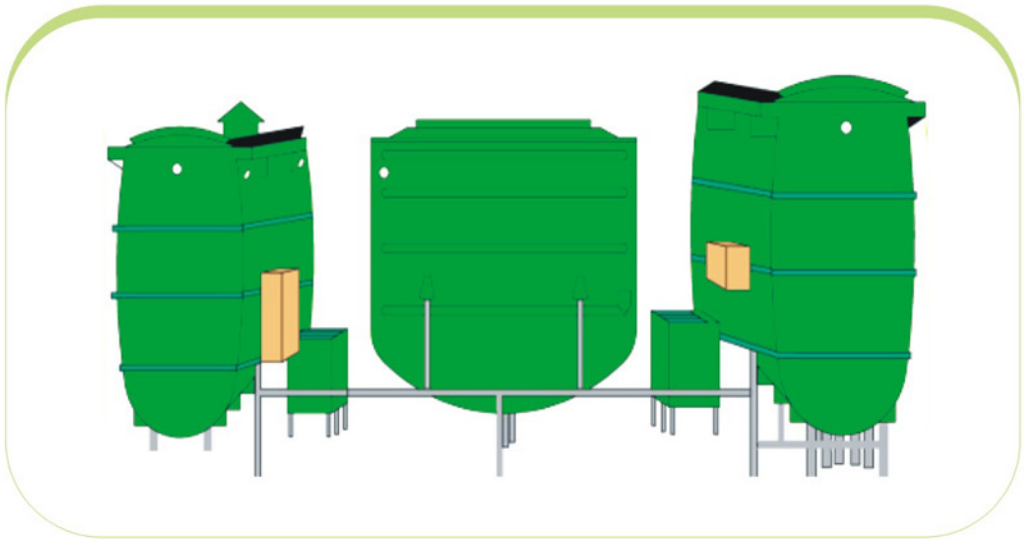


GREENER ENVIRONMENT  
GREENER WORLD

POLLUTION CONTROL | WATER RECYCLING

Water Reuse & Reclaim

*Silver Stream*<sup>®</sup>



## Product At a Glance

Far more precious than gold or silver, a little more crucial than petrol and as vital as oxygen, yes, we're talking about water. Today we know that 75% of the world's fresh water resources are contaminated. The remaining is fast disappearing. Soon how well we live will depend on how well we conserve water. Thankfully technology has advanced enough to offer us choices in water conservation.

One of the most reliable way to do that is by recycling water. Today, we at Silver Stream present you a reliable method to recycle water through our superior, pre-fabricated packaged waste water treatment plants. These plants have the capacity to completely treat and cleanse waste water and make it suitable for various activities like Landscaping, Floor Washing, Gardening, A/C Cooling Tower and Toilet Flushing applications. They truly lend a helpful hand in reducing the load on natural water resources.

The plants are designed by a team of renowned engineers and scientists who've specialized in waste water management. Therefore taking in all the problems faced by current efforts to treat waste water, they've come up with solutions that are on the cutting edge of recycling water. Taking all parameters like technology, space, cost and power consumption, these plants come out on the top!

Using newly discovered methods like high rate clarifier coagulation precipitation with special polymer, rotating eco-rotor, bacterial augmentation and bio-media clarification. These techniques have resulted in better efficiency and reduction of weight and power consumption.

The technology ensures drastic savings in power consumption by almost 60%, and in operation and maintenance costs as well. The much reduced sludge can be converted into vermicomposts and used as organic fertilizers for gardening and farming. The use of high grade FRP makes the entire plant very strong yet, exceptionally light, compact and portable. The special use of friendly bacteria makes the plant eco-friendly and completely odour free.

Considering the modern days requirement, reuse and reclaim of water has become essential.

Canadian Clear offers compactness in achieving the same. Canadian Clear STP Systems are user friendly, compact with high technology and it does not affect the real estate value.

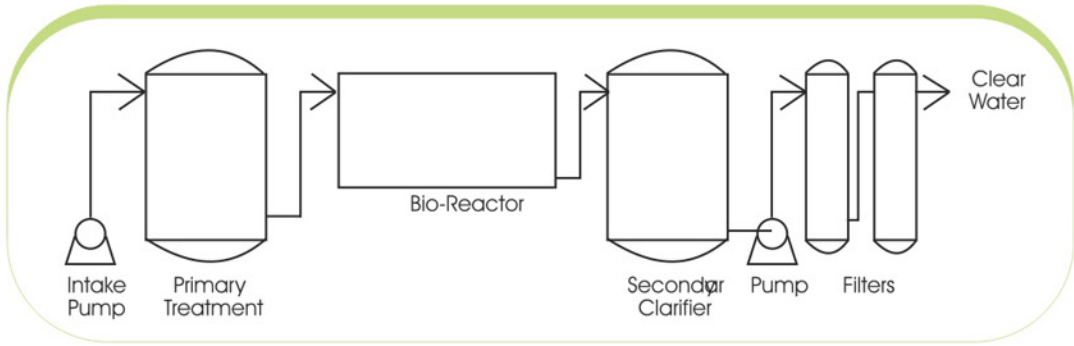
Install one and reap the benefits.

Compactness with value addition for Apartments, Condominiums, Individual Villas, Independent Bungalows Institutions, Factories, Banks, Public Places, Hotels Hospitals, Shopping Malls Amusement Parks, etc.



CLUBS | HOSPITALS | HOTELS | RESORTS | IT PARKS | RESIDENTIAL COMPLEX

## How SILVER STREAM Works



## Technical Data

Parameters	Details			
Raw water source	Sewage overflow from septic tank, kitchen/canteen wash water and laundry water.			
Quality of raw effluent	COD < 2000	SS < 800	BOD < 800	PH - 4 to 9
Treated water standard achieved by the process	COD < 200	SS < 30	BOD < 20	PH - 7.5 to 8

Parameters	Model ST – 25	Model ST – 50	Model ST – 75	Model ST – 150
Treatment Capacity ( m <sup>3</sup> /day)	25	50	75	150
Average flow rate (m <sup>3</sup> /hr)	1.0	2.0	3.0	6.25
Floor area required for plant installation	2.5m x 2.5m	3.7m x 3.7m	4.2m x 4.2m	6.0m x 6.0m
Volume of raw water collection sump suggested	10 - 15 m <sup>3</sup>	20 - 25 m <sup>3</sup>	30 - 35 m <sup>3</sup>	70 - 75 m <sup>3</sup>
Volume of treated water collection sump suggested	10 - 15 m <sup>3</sup>	20 - 25 m <sup>3</sup>	30 - 35 m <sup>3</sup>	70 - 75 m <sup>3</sup>
Power consumption	2.5 H.P	3.0 H.P	3.75 H.P	6.0 H.P

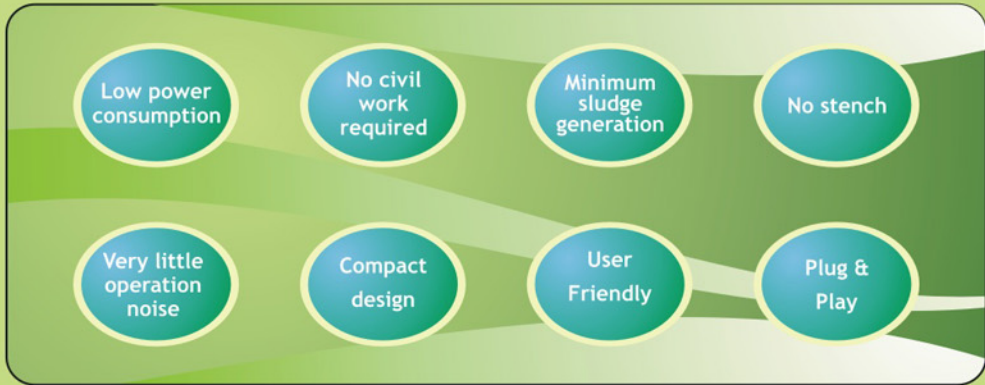
### Features of MBBR

- Plastic media for attached growth
- High biomass strength per unit volume
- High organic loading rate (OLR)
- Low sludge production
- Capability to take shock load
- Longer solids retention time (SRT)

### Features of MBR

- Hybrid of bioreactor and membrane filtration
- Eliminates secondary clarification, filtration and disinfection.
- Higher mixed liquid suspended solids (MLSS) concentration
- Shorter hydraulic retention time (HRT)
- Lesser footprint area
- Simultaneous nitrification & de-nitrification along with BOD removal at longer SRTs
- High quality treated effluent/sewage with low turbidity, BOD and suspended solids (SS), which meets the standards for reuse in industry / institution.

## UNIQUE FEATURES



## SILVER STREAM USERS

The Silver Stream – ST plants can cater to a wide range of clients like apartment complexes, hoteliers, restaurants, clubs, hospitals, community kitchens, industrial establishments, residential educational institutions, software parks, etc.

*Silver Stream*<sup>®</sup>

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