MODELS:

Single Chamber (NSF) Models available from 500 – 1500 USgpd

Compact 2 Chamber (NSF) Models available from 500 – 1500 USgpd

Compact 3 Chamber (NSF) Models available from 500 – 1500 USgpd

Customized Engineered Systems up to 300 cubic meters

PHONE
604-580-3030

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info@canwesttanks.com

www.canwesttanks.com

LET'S WORK TOGETHER ON YOUR PROJECT:

- Single Home Owners
- Schools, Churches & Institutional Facilities
- Restaurants, Rest Areas & Truck Stops
- Rural Communities
- Hotels, Resorts & Marinas
- Funeral & Memorial Facilities
- Campgrounds, RV & Mobile Home Communities
- Commercial Plazas & Malls
- Mining & Workers Camps

Find more detailed information in our product manual here:

SCAN ME

CANWEST TANKS & ECOLOGICAL SYSTEMS WASTEWATER TREATMENT SOLUTIONS

BECAUSE YOU DESERVE A SOLUTION THAT OFFERS TOTALLY SAFE WATER.

MBBR WASTEWATER TREATMENT SYSTEMS:

NSF Certified, Highly effective in reducing levels of BOD, TSS & Nitrogen.

New Installations *for residential and commercial installations.*

Retrofitting ***Expansion*** ***Upgrade***

of existing residential and commercial installations

BENEFITS OF THE CANWEST MBBR SYSTEM:

ECONOMICS:
Offer your clients cost certainty in the solutions you provide to them.
Wastewater Treatment Systems are designed by applying the technology of large industrial scale systems to single property applications. The combination of robust scale technology and adaptive design and flexibility creates a result that provides economic advantages and cost savings.

PERFORMANCE:
Provide your clients with a future-proofed solution that can accommodate changing circumstances. The Canwest Tanks MBBR system delivers unmatched and above industry norm performance by providing a highly robust and responsive solution rather than a locked and inflexible system.

CERTAINTY:
Be recognized as a market innovator in your space by offering long term performance.
The Canwest MBBR system ensures future proofing against volume increases through modular expandability options. Adaptive design is combined with a highly responsive installation system to ensure future reliability when the property scales.

HOW THE MBBR SYSTEM WORKS:

Wastewater enters a pretreatment/settling tank similar to conventional septic tanks. In this tank, debris and settleable solids settle to the bottom.

STEP 1: The effluent enters the CWT-MBBR Wastewater Treatment System from the primary tank where it is introduced into an oxygen rich environment. In this oxygen rich environment, a colony of bacteria, called the biomass, develops and is capable of digesting (breaking down) biodegradable waste into carbon dioxide and water.

This is a continuous process as long as the biomass is supplied with incoming wastewater and oxygen.

STEP 2: The CWT-MBBR is a specially designed containment device housing a moving bed media specifically designed to treat domestic wastewater.

STEP 3: An external air compressor is connected to the tanks to provide the necessary air to the system. There are no moving mechanical parts or filters in the CWT-MBBR.

STEP 4: In this system, conditions are favorable only to attached growth bacteria.

The result of this process is a clear, odourless discharge which is capable of meeting all effluent quality standards.

MBBR ENVIRONMENTAL BENEFITS:

- Removal of CBOD and TSS concentrations
- Removal of 50% nitrogen
- No rising sludge
- No floating sludge
- No washouts

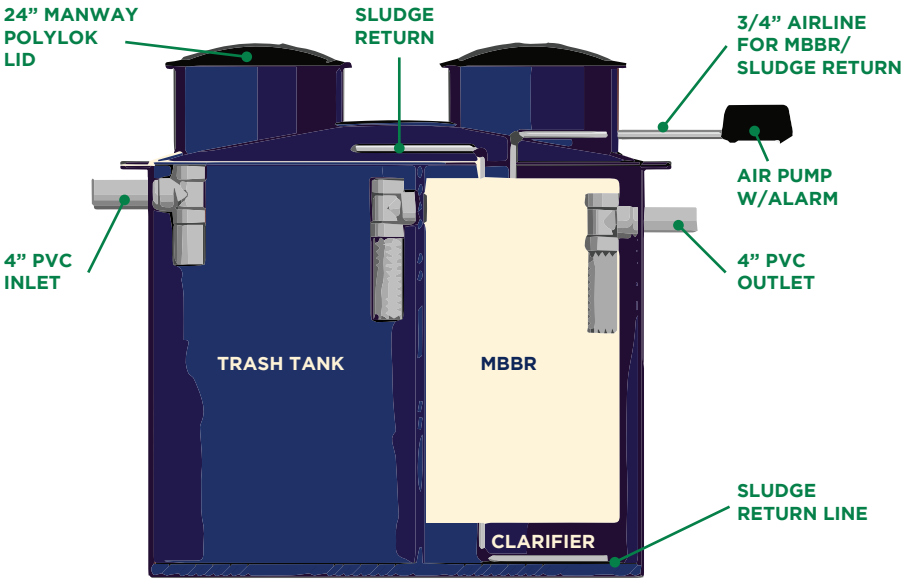
CONSTRUCTION MATERIALS: FIBREGLASS FRP

TYPE II SEPTIC SYSTEM

Treatment takes place within a septic tank plus an additional aerobic secondary treatment stage, typically within a small scale on – site mechanical biological packaged treatment plant before being discharged to a drain field.

TYPE III SEPTIC SYSTEM

A specially designed septic system that is capable of treating sewage to produce effluent of a higher quality standard by including a disinfection process before being discharged into the environment. Treatment takes place within an advanced mechanical biological treatment plant.



CWT-MBBR WASTEWATER TREATMENT SYSTEM: UNIT SPECIFICATIONS

TREATMENT PLANT	TREATMENT CAPACITY (USGPD)	PRIMARY TANK TOTAL VOLUME (USGAL)
CWTMBBR 500	500	530
CWTMBBR 600	600	530
CWTMBBR 800	800	900
CWTMBBR 1000	1000	900
CWTMBBR 1500	1500	1400