



Van Goethem
Septic Systems Inc.
Established 1974

Van Goethem Septic Systems

Multi-Compartment Treatment Tank

W/ Microbial Induced Concrete Corrosion Reduction Venting System



Pumping Chamber—Includes:

Champion CPES5 Effluent Pump (5 Year Warranty)
S.J. Electro Pump Control Floats (5 Year Warranty)
S.J. Electro High-water Sensor Float (5 Year Warranty)
2" PVC Quick Disconnect Union
Electrical Junction Box with Quick Disconnect
Electrical Connection

Secondary Septic Chamber—Includes:

Orenco Bio-Tube Effluent Filter (Lifetime Warranty)
Model #FTPS0444-36
Rated at 1200 gallons per day
1/16" Filtration (Code requires a minimum of 1/8")
Vented to reduce Microbial Induced Concrete Corrosion (MIC)

Primary Septic Chamber—Includes:

Plastic Inlet Baffle
Vented to reduce Microbial Induced Concrete Corrosion (MIC)
Outlet Port that is located between the floating scum layer and heavy sludge layer at the tank bottom

Multi-Compartment Treatment Tank Benefits

- Effluent filter cleaning frequency is reduced significantly, in most cases, because the majority of the suspended solids will settle out in the primary septic chamber. The effluent filter is located in the secondary septic chamber which has a much less turbulent environment and therefore will allow the majority of the remaining suspended solids to settle out instead of attracting to the effluent filter.
- Septic tank pumping frequency is reduced to once every three years because the majority of the solids will remain in the primary septic chamber and therefore the effluent filter cleaning frequency should remain constant which is not the case in a single compartment septic tank. In a single compartment septic tank, the effluent filter cleaning frequency between septic tank pumpings typically increases each year because the volume of solids in this single compartment septic tank is increasing significantly faster than in the secondary septic chamber of the Multi-Compartment Treatment Tank. In order to keep the effluent filter cleaning frequency constant in a single compartment septic tank, the septic tank should be pumped on an annual basis.
- A treatment tank with a primary septic chamber and a secondary septic chamber using an effluent filter with 1/16" filtration will produce a higher quality of wastewater than a single compartment septic tank using an effluent filter with 1/8" filtration. This will lead to a longer life expectancy for the soil absorption system that follows the Multi-Compartment Treatment Tank.
- A large pump chamber capacity allows for extra reserve capacity should a problem develop with the effluent pump or the pump control floats. In most cases, 300 to 450 gallons of reserve capacity is available which translates into 1 to 2 days of typical household use.

Plastic Manhole Risers Benefits:

- Green or black in color and should be easier to camouflage in most landscape schemes
- Very durable and rigid
- Watertight
- Very secure with a barrel type locking ring and weather-resistant lock

