

SeptiTech Sizing Information

For Residential Flows Serving up to 8-bedrooms

SeptiTech Standard Residential Models M400, M550 & M750

Desired Treatment Capacity	Standard Model (Concrete or Plastic)	Models with Ultraviolet Disinfection	Models with Denitrification	Processor Tank Volume	Number of Access Ports	Discharge Head (Standard)	Recommended 2-Compartment Septic Tank with Filter (Preceding Processor)
Up to 4 bedrooms	M400	M400UV	M400D	1,000-gallons	2	14-feet @ 25gpm	1000-gallons (or State code)
Up to 6 bedrooms	M550	M550UV	M550D	1,250-gallons	2	14-feet @ 25 gpm	1,500-gallons (or State code)
Up to 8 bedrooms	M750	M750UV	M750D	1,500-gallons	2	14-feet @ 25 gpm	1,500-gallons (or State code)

For Commercial System Flows up to 4,500 gpd

SeptiTech Standard Commercial Models M1200, M1500, M2500 & M3000 (Concrete)

Hydraulic Capacity (gal/day)	Standard Model	Models with Ultraviolet Disinfection	Models with Denitrification	Processor Tank Volume	Number of Access Ports	Discharge Head (Standard)	Recommended 2-Compartment Septic Tank with Filter (Preceding Processor)
1,200 (nominal)	M1200	M1200UV	M1200D	2,000-gallons	3	14-feet@ 25-gpm	1000-gallons (or State code)
1,500 (nominal)	M1500	M1500UV	M1500D	4,000-gallons	3	14-feet@ 25-gpm	1,500-gallons (or State code)
3,000 (nominal)	M2500	M2500UV	M2500D	6,000 – gallons	3	14-feet@ 25-gpm	1,500 – gallons (or State Code)
4,500 (nominal)	M3000	M3000UV	M3000D	8,000-gallons	3	14-feet@ 25-gpm	1,500-gallons (or State code)

For Commercial System Flows Over 4,500 gpd Systems Requiring Special Considerations (i.e. high strength)

SeptiTech Engineered Systems

Please contact SeptiTech's Engineering staff for consultation. System specifications and quotes promptly available.

Other Sizing / Specifying Considerations:

- Commercial denitrification units require a 2-compartment denite septic tank sized according SeptiTech specifications. Please contact a SeptiTech representative for assistance.
- For all SeptiTech systems, H-10 is standard tank loading configuration. Contact your precaster for H-20 tanks.
- For design assistance, please have available a minimum of the following data:
 - Application (e.g. school, apartment, restaurant, subdivision etc.)
 - Design flow data
 - Discharge flow and pressure (e.g. total dynamic head, pressure required for leaching system)
 - Effluent quality limits including organic, solids, nutrients and bacterial removals
 - Available power
 - Water table elevation (requirements for tank anti-floatation)

- g. Features required including but not limited to control panel heaters, modems, autodialers
- h. Type of usage (seasonal / year-round)

4. Please consult discharge pump curves for discharge pump requirements other than SeptiTech standard discharge models. SeptiTech Engineering can provide assistance.