

### Virginia Tank Sizes for Different Effluent Qualities

MicroFAST Model Size	Maximum Flow GPD	TL-3 &/or 50% TN Reduction			TL-2		
		Settling Zone Gallons	Treatment Zone Gallons	Total Tank Volume Gallons	Settling Zone Gallons	Treatment Zone Gallons	Total Tank Volume Gallons
0.50	500	500	750	1250	350	450	800
0.625	625	500	900	1400	375	540	915
0.75	750	500	1000	1500	375	625	1000
0.90	900	725	1250	1975	500	750	1250
1.50	1500	1075	1875	2950	750	1125	1875
3.00	3000				1500	2250	3750
4.50	4500				Note 1	4220	
9.00	9000				Note 1	8438	

TL3 &/or 50% TN Reduction is for flows <= 1,000 GPD

Notes:

1. On these larger systems the settling zone will be in a separate tank. The sizing for these separate tanks will be controlled by local State Code. If total nitrogen reduction is required, then recycle from the effluent to the settling tank may be required, Consult with Bio-Microbics on all large system design.
2. All tank volumes listed above are minimum volumes of the liquid capacity of the tank. The tank volumes listed for the Settling and Treatment Zone may be two compartment tanks or two separate tanks if used for BOD/TSS reduction only. If total nitrogen reduction is required, then the tanks must be two compartment tanks or recycle may be required.