

MicroFAST® Consumes Biodegradable Contaminates & Releases Clear, Odourless Water

The bio-chemical processes activated in the MicroFAST® Septic Systems, as outlined below, consumes 99% of the harmful contaminants and releases into the smaller drain (leach) field clear, odourless water for the soil to disperse. The off gases from the MicroFAST® processes are captured and sent into the soil for removal and conversion to non-greenhouse gases. No unpleasant odours are associated with the MicroFAST® System.

The MicroFAST® also reduces Total Nitrogen up to 70% in residential applications.

MicroFAST® Septic Systems have been tested and certified by the Standards Council of Canada recognized agencies such as the National Sanitation Foundation International (a.k.a. NSF International) and verifies the bio-chemical processes resulting in the 99% reduction of contaminants.

MicroFAST® Installation

The one tank design provides a quick and easy install saving the property owner money and expense. There is no onsite assembly required as the MicroFAST® septic system comes factory assembled.

Dependable, Reliable & Affordable MicroFAST® septic system

There are no in-sewage filters to be cleaned or replaced, no shafts or bearings to be lubricated, no media to be replenished or replaced and no media to be removed and hauled away to a landfill or to be composted by a 3rd party at a cost.

MicroFAST® contains no in-sewage submersible pumps, sewage filters, air diffusers or any in-sewage moving part to repair or replace. All internal parts are made from recycled durable, long lasting plastic and not subject to deterioration.

The MicroFAST® septic system rigid plastic media is self-cleaning and is structurally sound and will not collapse or join together as the microorganisms grow, develop and treat. There is no need to clean or remove the MicroFAST® media at any time.

The MicroFAST® septic system is the most affordable attached growth technology with the lowest maintenance cost for the future. The MicroFAST® septic system is a peace of mind operation and maintenance product.

Warranty

All of the MicroFAST® septic system parts, other than the external air blower, come with a full 20 year warranty. There is a two year warranty on the external air blower and an offer for a 2 year cost free maintenance inspection agreement is available.

MicroFAST® Model Sizes and Capacities

MicroFAST® wastewater treatment system comes in various models and capacities to provide the most cost efficient sewage treatment for each individual application. The size of the home and number of bedrooms determine the recommended model to be used. The larger MicroFAST® septic system model sizes are recommended for clusters of residences, trailer parks, mobile home parks, modular buildings and subdivisions. The smallest MicroFAST® models are typically recommended for the average home or vacation property.

MicroFAST® Proven Performance

MicroFAST® wastewater treatment septic systems have been tested, approved and certified by various agencies such as Standards Council of Canada recognized wastewater treatment standard setting and testing agencies such as National Sanitation Foundation International (NSF International).

Also meeting standards of the Canadian Standards Association (CSA), US Electrical Systems, Underwriters Laboratories (UL), the Canadian Great Lakes (CGL), the USA Environmental Protection Agency (USEPA), the US Coast Guard, European Union (CE), European Electrical Systems (including EES Tropical Certification), the UK Department of Trade, the International Maritime Organization (IMO), the Australian Department of Transportation, the Royal Australian Navy and SASSO (Saudi Arabia).

FAST® is registered under the LEEDS program

Effective: 9/1/2010 MicroFAST® Model Number		Hydraulic Loading per Day	Equivalent Number of persons	Tanks Working Volumes				Standard Blower Power Details alternates available
				Trash Collection		FAST® Treatment		
				Minimum	Maximum	Minimum	Maximum	
MicroFAST® 0.375 (not in Ont & AB)	US Gals	375	up to 6	240	563	300	N/A	1/3 HP, 115/1/60 0.322 kW/hr 3.6 FLA 20 LRA
	Imp Gals	312		200	450	250	N/A	
	Litres	1,420		909	2,045	1,136	N/A	
MicroFAST® 0.5	US Gals	500	up to 8	350	750	450	N/A	1/3 HP, 115/1/60 0.322 kW/hr 3.6 FLA 20 LRA
	Imp Gals	416		292	625	375	N/A	
	Litres	1,893		1,325	2,841	1,705	N/A	
MicroFAST® 0.6 (not in Ont & AB)	US Gals	600	up to 9	400	900	450	N/A	1/3 HP, 115/1/60 0.322 kW/hr 3.6 FLA 20 LRA
	Imp Gals	500		375	750	375	N/A	
	Litres	2,273		1,705	3,409	1,705	N/A	
MicroFAST® 0.75	US Gals	750	up to 11	500	1,125	750	N/A	1/3 HP, 115/1/60 0.322 kW/hr 3.6 FLA 20 LRA
	Imp Gals	625		416	950	625	N/A	
	Litres	2,841		1,891	4,318	2,841	N/A	
MicroFAST® 0.9	US Gals	900	up to 14	500	1,350	750	N/A	1/3 HP, 115/1/60 0.322 kW/hr 3.6 FLA 20 LRA
	Imp Gals	750		416	1,125	625	N/A	
	Litres	3,407		1,891	5,114	2,841	N/A	
MicroFAST® 1.0 (not in Ont & AB)	US Gals	1,000	6 - 16	500	1,500	750	N/A	1/2 HP, 115/1/60 0.575 kW/hr 5.6 FLA 23.2 LRA
	Imp Gals	834		416	1,250	625	N/A	
	Litres	3,791		1,891	5,683	2,841	N/A	
MicroFAST® 1.5	US Gals	1,500	6 - 21	750	2,250	1,125	N/A	1/2 HP, 115/1/60 0.575 kW/hr 5.6 FLA 23.2 LRA
	Imp Gals	1,250		625	1,875	938	N/A	
	Litres	5,678		2,841	8,523	4,259	N/A	
MicroFAST® 3.0	US Gals	3,000	10 - 42	1,500	4,500	2,250	N/A	1 1/2 HP, 230/1/60 1.85 kW/hr 9.5 FLA 21 LRA
	Imp Gals	2,500		1,250	3,750	1,875	N/A	
	Litres	11,365		5,682	17,048	8,517	N/A	
MicroFAST® 4.5	US Gals	4,500	18 - 63	1,406	6,750	4,219	N/A	2 1/2 HP, 230/3/60 1.69 kW/hr 7.6 FLA 54 LRA
	Imp Gals	3,750		1,250	5,620	3,513	N/A	
	Litres	17,034		5,683	25,549	15,971	N/A	
MicroFAST® 9.0	US Gals	9,000	30 - 126	4,500	13,500	8,438	N/A	5 HP, 230/3/60 1.69 kW/hr 12 FLA 54 LRA
	Imp Gals	7,500		3,750	11,240	7,026	N/A	
	Litres	34,068		17,048	51,097	31,941	N/A	
MicroFAST® 12.0	US Gals	12,000	30 - 140	6,000	18,000	10,688	N/A	7 1/2 HP, 230/3/60 kW/hr 14 FLA 58 LRA
	Imp Gals	10,000		5,000	15,000	8,900	N/A	
	Litres	45,424		22,730	68,190	40,460	N/A	

MicroFAST® details listed above are for residential strength sewage wastewater. For sewage wastewater that is considered to be high strength or mixed/complex flows contact Pinnacle Environmental Technologies Inc. for site specific design specifications and details.

Air Blowers are dual voltage - 115~230 VAC or 208,230~460. Note the phase on the standard blowers as listed above. The controller for the air blower determines the Voltage and the Phase required for the system being installed.

Controllers and air blowers for the alternate or the other Voltage or Phase are available on request.