

Model No.		FWCS – 20	FWCS – 50	FWCS – 100	FWCS – 500	FWCS – 1000	
<b>Treatment Capacity</b>		20 kg per day	50 kg per day	100 kg per day	500 kg per day	1000 kg per day	
<b>Type of System</b>		In-vessel Revolving System					
<b>Material Loader for Input of Material</b>		Not Included			Included		
<b>Timer Control Product Unloading Feature</b>		Not Included			Included		
<b>Overall Dimensions</b>	<b>Length</b>	2000mm	2400mm	3000mm	8000mm	8000mm	
	<b>Width</b>	1000mm	1200mm	1400mm	3500mm	4000mm	
	<b>Height</b>	1300mm	1450mm	1650mm	3800mm	4000mm	
<b>Weight</b>		Approx. 350kg	Approx. 450kg	Approx. 550kg	Approx. 3500kg	Approx. 5000kg	
<b>Power Supply</b>		220VAC / 50Hz / 1-phase 13A socket	380VAC / 50Hz/ 3-phase, 16A isolator	380VAC / 50Hz/ 3-phase, 16A isolator	380VAC / 50Hz/ 3-phase, 20A isolator	380VAC / 50Hz/ 3-phase, 32A isolator	
<b>Average Power Consumption</b>		0.35kWh	0.75kWh	1.1kWh	1.6kWh	2.2kWh	
<b>Blower Capacity</b>		7m <sup>3</sup> /hr @70mbar	10m <sup>3</sup> /hr @70mbar	15m <sup>3</sup> /hr @80mbar	65m <sup>3</sup> /hr @130mbar	120m <sup>3</sup> /hr @180mbar	
<b>Exhaust Fan Capacity</b>		80m <sup>3</sup> /hr @5mbar	100m <sup>3</sup> /hr @5.5mbar	150m <sup>3</sup> /hr @7.5mbar	650m <sup>3</sup> /hr @9mbar	1200m <sup>3</sup> /hr @12mbar	
<b>Motor Rating</b>	<b>Torque</b>	0.22Nm	0.6Nm	1.2Nm	5.4Nm	8.4Nm	
	<b>Gear ratio</b>	1 : 12,500	1 : 12,500	1 : 12,500	1 : 25,000	1 : 42,000	
	<b>Speed (rpm)</b>	1,400	1,400	1,400	1,400	1,400	
<b>Digestion chamber</b>	<b>Volume</b>	0.38m <sup>3</sup>	0.87m <sup>3</sup>	1.65m <sup>3</sup>	9.05m <sup>3</sup>	17m <sup>3</sup>	
	<b>Diameter</b>	550mm	725mm	900mm	1600mm	1900mm	
	<b>Length</b>	1600mm	2100mm	2600mm	4500mm	6000mm	
<b>Environmental Control Unit</b>	<b>Bio-filter</b>	<b>Media</b>	approximately 15 : 85 ratio by weight of compost and wood chips or wood shreds				
		<b>Volume</b>	0.15m <sup>3</sup>	0.28m <sup>3</sup>	0.43m <sup>3</sup>	1.8m <sup>3</sup>	2.4m <sup>3</sup>
		<b>Length</b>	1200mm	1500mm	2000mm	2500mm	2500mm
		<b>Width</b>	250mm	350mm	375mm	1200mm	1500mm
		<b>Height</b>	800mm	850mm	1000mm	1100mm	1200mm
		<b>Height (Media)</b>	500mm	540mm	570mm	600mm	650mm
	<b>Condenser</b>	<b>Length</b>	1200mm	1650mm	2150mm	1500mm	1500mm
		<b>Width</b>	400mm	500mm	500mm	800mm	1000mm
		<b>Height</b>	300mm	500mm	500mm	1100mm	1200mm
<b>Material</b>	<b>Digestion Chamber</b>	Stainless Steel 304			Epoxy coated mild steel		
	<b>Environmental Control Unit*</b>	Stainless Steel 304			Epoxy coated mild steel		
	<b>Base Frame and Material Loader (if applicable)</b>	Epoxy coated mild steel					
<b>Acceptable Waste Size</b>		Not larger than 50mm			Not larger than 100mm		
<b>Favourable Operating Environment for Micoorganism</b>		pH 7-8.5, Relative Humidity 50-65%, Oxygen Level in vessel >10%, Temperature at 50-60 <sup>0</sup> C					
<b>Target Volume Reduction</b>		75%					
<b>Mode of Operation</b>		Continuous Operation and Fully Automatic					
<b>Process Time</b>		7 days in vessel, approximate 21 days in curing area					

<b>Key Features</b>	<ul style="list-style-type: none"><li>(i) Pre-sorting is not necessary for treatment of organic food waste</li><li>(ii) Self-rotating fully enclosed digestion chamber</li><li>(iii) No moving parts inside the digestion chamber</li><li>(iv) Fully automatic (Except loading and unloading of materials)</li></ul>
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\* Environmental Control Unit includes the Condenser and Biofilter for moisture and odour removal.