

The Rhino Digester System



- Process your organic waste with a Rhino

Unique Features:

- ✓ Feed and forget – automated
- ✓ Completely sealed – no odor
- ✓ Integrated feed station
- ✓ Control & monitoring system
- ✓ Minimum site work – only piping & electrical connections
- ✓ Professional service
- ✓ Indigenous Patented technology



Advantages:

- ✓ Generates energy in the form of Bio-gas
- ✓ Generates ready to use organic fertilizer
- ✓ Minimum manpower
- ✓ Compact – minimum space
- ✓ No odor or rodents
- ✓ Waste can be piped directly from kitchen to system



Specifications:

Control System	<ul style="list-style-type: none">• Microprocessor based• ATmega328
Waste Processing Capacity	<ul style="list-style-type: none">• 20 to 300 kg / day / module• Maximum of 3 modules per system
Type of waste	<ul style="list-style-type: none">• Mixed kitchen waste
Bio-gas generated	<ul style="list-style-type: none">• Approx. 10% of waste input
Typical bio-gas composition	<ul style="list-style-type: none">• 60-70% Methane• Balance CO₂• Moisture and traces of H₂S
Bio-gas storage	<ul style="list-style-type: none">• Integrated
Organic fertilizer generated	<ul style="list-style-type: none">• Liquid fertilizer• Approx. 2x of waste input
Water Requirement	<ul style="list-style-type: none">• 2x of waste input• Free of chemicals
Manual Log	<ul style="list-style-type: none">• Waste feed
Feed station	<ul style="list-style-type: none">• Yes - integrated
Warranty	<ul style="list-style-type: none">• One year

Module waste capacity <i>kg/day</i>	Module size	Power supply	Maximum Power consumption <i>kW-hr/day</i>
20	2 x 2 m x 1.5 m H	240 VAC, 15 A	3
75	2 x 3.2 m x 2 m H	415 VAC	10
150	2 x 3.2 m x 3 m H	415 VAC	15
300	2 x 3.2 m x 6 m H	415 VAC	25

* Specifications subject to change without notice.

Flycatcher Technologies LLP

- Chiman Badshah Farm, Padra-Jambusar Highway, Dabhaha 391440, Gujarat, INDIA •
- (Tel.) +91-90999-25751 •

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