



A COMPLETE SOLUTION FOR FOOD WASTE MANAGEMENT



WasteXpert offers innovative and efficient solutions to help handle commercial food waste at source. It is best suited for establishments looking for hassle-free and compact equipment which saves time and cost.

www.wastexpert.com

30% of global food production ends up as waste, a shocking figure that calls for proper action.

With rapid urbanisation and the increase in food wastage, the behavioural change of managing food waste at source would be the way forward. For instance, the key to efficient food waste management is through proper segregation of waste and to ensure maximum reduction of waste output volume and eventually bring it down to zero waste output. This holds true especially at any high-volume waste generation sites like hotels and resorts, corporate cafeterias, F&B outlets, hospitals, educational institutions, apartments, etc.

To handle this challenge, WasteXpert offers the best-in-class solutions for managing the commercial food waste at source.



Dewaterer



Dewaterer Pro

Savings



Transport Cost
Reduced waste collection costs due to reduced volume.



Storage Cost
Reduced waste storage facility requirements.



Labour Cost
The self-cleaning system reduces staff time.



Energy Cost
Compact design and short processing time ensure low operating costs

Food Waste Equipment - What can be processed?



Fruits



Vegetables



Bread



Noodles



Nuts



Cheese



Corn



Fish & Bone



Roti / Rice



Pineapples



Egg & Egg Shells



Meat

Where can WasteXpert be used?



Hotels and Resorts



Hospitals and Nursing Homes



Corporate Canteens and Cafeterias



Hostels and Food Centres



Restaurants and Pubs



Fisheries, Bakeries and Caterers

DEWATERER

The WasteXpert Dewaterer is a compact, easy and cost-effective solution to handle large quantities of food waste. The wastes from the bins are put into it which is crushed, washed and dewatered. This reduces the volume of your food waste by almost 60-70% and can subsequently be fed into eco bins for manure conversion.



HOW IT WORKS



Grinding the food waste



Centrifugal dewatering of waste



Output of grey water and 60-70% reduced solid waste

Features

- Comes in 100 kg/hour and 250 kg/hour capacity models
- 60-70% volume reduction
- Compact standalone unit
- Easy installation - Plug and play.
- Easy maintenance
- Made of stainless steel 304
- Energy and cost efficient
- 1-year warranty

Models Available

Model No.	Capacity (per hour)	Dimensions (mm) (LxBxH)	Rated Input Voltage	Rated Power	Net Weight (kg)	Motor
WX-100	100 kg	1300 x 800 x 1200	415V/3P	4.5 kW	175	6 HP
WX-250	250 kg	1300 x 800 x 1200	415V/3P	6 kW	190	8 HP

DEWATERER PRO

The WasteXpert Dewaterer Pro is an efficient stand-alone solution for handling high volume of food waste. This avoids the need of cold-storages for waste handling at commercial facilities. The equipment extracts the excess liquid from the solid waste through centrifugal action and reduces the volume of food waste by almost 80 - 90%.

The working process of this equipment is similar to the standard Dewaterer model. Additionally, it can handle higher capacity of food waste (600 kg) per hour.

Features

- 600 kg/hour capacity
- 80-90% volume reduction
- Compact size
- Energy and cost efficient
- Made of stainless steel 304
- Easy maintenance & simple operation
- 1-year warranty



Specifications

Capacity	600 kg/hour
Water Consumption (litres per min)	4-5 litres/min
Energy Cost (typical per day)	₹ 150
Dimensions (mm) (HxWxD)	777 x 1140 x 980
Weight	120 kg
Voltage	415 V
Phase (4 wire) supply/kW	Phase 3/6.25kW per hour
Decibel (dB) during operation: running	60 dB
Decibel (dB) during operation: in use with raw food	70 dB
Volume Reduction	80-90%
Mass Reduction	80-90%

How to use Dewaterer and Dewaterer Pro?

We need to load the food waste into the hopper while the tap is on with running soft water. The machine grinds the food into fine particles and through centrifugal action, excess liquid from the food waste is extracted. It is due to this action that the WasteXpert Dewaterer and Dewaterer Pro can reduce your food waste by up to 60-70% and 80-90% respectively, lowering your waste storage and municipality cost dramatically. The solid fraction of the food waste is collected in small, easily managed, lidded bins, ready for onward processing while the grey water discharged can be connected to the sewage treatment plant directly. This water can also be reused for gardening purposes.

The Dewaterer and Dewaterer Pro require running soft water and minimal electricity to reduce your food waste without any constant monitoring. There is also a hot water connection needed for cleaning the insides of the equipment.

FAQ

1. What does the WasteXpert Dewaterer and Dewaterer Pro do?

- A. WasteXpert Dewaterer and Dewaterer Pro use a series of processes in which the food is ground into fine particles. A special centrifugal technique dehydrates the macerated food waste. Using this technique, the food waste volume reduces by 60-90% thereby reducing your disposal costs drastically. The 'grey water' is directly fed in the drain and the reduced food waste is collected in the bins for easy disposal. WasteXpert Dewaterer and Dewaterer Pro are practical and innovative alternatives to the traditional disposal of food waste.

2. How are the WasteXpert Dewaterer and Dewaterer Pro sustainable solutions?

- A. When food waste is buried as landfills, it emits methane (CH_4) and other harmful gases. Methane is 72 times worse for the atmosphere than carbon dioxide (CO_2). Methane is one of the main reasons of global warming as well. The WasteXpert Dewaterer and Dewaterer Pro reduce the food waste volume by 60-70% and 80-90% respectively thus indirectly contributing to less landfills and less harmful gases in the society.

3. What kind of food waste can be processed in the WasteXpert Dewaterer and Dewaterer Pro?

- A. WasteXpert Dewaterer and Dewaterer Pro can process most types of food leftovers or food waste. One can process food leftovers, fruits & vegetables, breads, rotis, green leaves, eggs, meats, fish bones, nuts and much more.

Although, one must refrain from putting cutlery, large bones, coconut shells, shoots and leaves in the WasteXpert Dewaterer and Dewaterer Pro. Please refrain from putting plastic, glass, tin, metal, meat ropes or tea-bags in the WasteXpert Dewaterer and Dewaterer Pro.

4. Does the WasteXpert Dewaterer and Dewaterer Pro come with any warranty?

- A. WasteXpert Dewaterer and Dewaterer Pro comes with a warranty of 1 year. Moreover, we also provide after-sales maintenance and services through AMCs.

5. How to handle the grey water output of the machines?

- A. The 'grey water' will be high on grease content and must be run through a grease-pit before feeding it to the drain. The 'grey water' can even be further composted to create plant nutrients and manure for the soil.

6. Is the output of the WasteXpert Dewaterer and Dewaterer Pro harmful?

- A. No. WasteXpert Dewaterer and Dewaterer Pro are completely eco-friendly, and all their processes use only water.

7. Does the WasteXpert Dewaterer and Dewaterer Pro require continuous water and electricity input?

- A. Yes. The WasteXpert Dewaterer and Dewaterer Pro requires continuous water and electricity input to assist the grinding and dehydrating process.

8. Can hard water be used to run the machines?

- A. No. While our machines are highly durable and made of SS304, we recommend using soft water for longevity and hassle-free usage.

9. Does the WasteXpert Dewaterer and Dewaterer Pro require constant attention?

- A. No. The WasteXpert Dewaterer and Dewaterer Pro do not require constant human attention. Once the machine begins the grinding process, it does not require any human attention for the rest of the process. Only to input the waste you need a resource.

10. Are any chemicals used in WasteXpert Dewaterer and Dewaterer Pro?

- A. No. All the processes of the WasteXpert Dewaterer and Dewaterer Pro are totally green.

11. Does WasteXpert Dewaterer and Dewaterer Pro follow a batch process?

- A. No. You can feed food waste into the machine whenever you want. The machine constantly reduces organic waste.

12. What is the maintenance cost of Dewaterer and Dewaterer Pro?

- A. The maintenance cost for WasteXpert Dewaterer and Dewaterer Pro is very low. The machines do not require regular servicing unless there is a breakdown. Regular cleaning and precautionary measures should be enough for the machines to serve you for long years.

For further enquiry get in touch with us
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