



BIGHANNA[™] composter

DRAINAGE CARTS

Food waste from restaurants and canteens is often quite wet. All material should, if possible, be drained from excess fluid. A drainage cart is offered in order to facilitate drainage and handling of the food waste. The principle is to use one bucket with holes in the bottom to hold the food waste and another bucket below to receive the excess fluid. The bucket carts in the illustrations are designed for the European market.

TROLLEY (2+2)X25L (APPROX. 6.6 GALLONS PER BUCKET)

The capacity of this cart is 50 litres (approx. 13 gallons) of food waste per day. The buckets each contains 25 litres (approx. 6.6 gallons) and are easily lifted from the cart. They are also easy to clean.

Width: 620 mm (approx. 25")
Depth: 400 mm (approx. 16")
Height: 670 mm (approx. 27")

TROLLEY (4+4)X10L (APPROX. 2.6 GALLONS PER BUCKET)

The capacity of this cart is 40 litres (approx. 10.6 gallons) of food waste per day. The buckets each contain 10 litres (approx. 2.6 gallons) and are easily lifted from the cart. They are also easy to clean.

Width: 950 mm (approx. 38")
Depth: 310 mm (approx. 12")
Height: 860 mm (approx. 34") including handle.

Trolley (2+2)x25L
– approx.
6.6 gallons per bucket



Trolley (4+4)x10L
– approx.
2.6 gallons per bucket





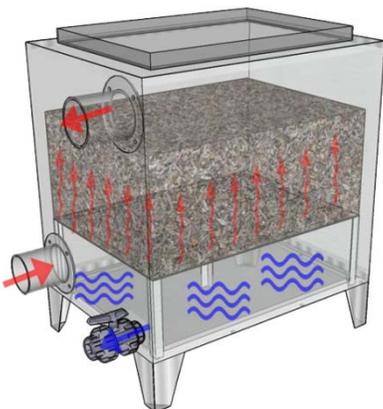
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Susteco's unique biofilter is an excellent option for minimizing odors generated by the composting process.

Manufactured from high grade, long lasting stainless steel, the Hanna biofilter is a simple, trouble free option that can be used in both interior and exterior locations. Exhaust air including odor, steam and condensation are lead into the biofilter where odors are neutralized through a layer of bark that is treated with enzymes. The biofilter solution allows the air from the composting process to be vented to open air also in areas with buildings. The biofilter is easily moved with a pallet jack.

AIRFLOW FROM COMPOSTER

A well managed compost where the process works well does not create a foul smell. The air should nevertheless be led from the installation site. There are essentially three ways of handling this - connection to an existing sewer system, connection to a biofilter or - if the area is not densely populated - venting directly to outside.



MEASUREMENTS

Length: 800 mm (approx. 31.5")
Width: 600 mm (approx. 24")
Height: 930 mm (approx. 37")

INSTALLATION

The biofilter is assembled on site and bark needs to be sourced locally or ordered separately. Outdoor installations in cold climates where temperatures are regularly below 32° F require that a heat cable be specified to ensure the biofilter does not freeze. For indoor installations, it is recommended that the air is piped up over the roof top into the open air.

ENZYMES

In order for the biofilter to function properly, enzymes have to be added every 3-6 months and bark every 8-12 months.

HANNA BIOFILTER

MAINTENANCE

- ✓ The biofilter has to be watered regularly.
- ✓ Enzymes (water solution) need to be added every 3-6 months.
- ✓ Condensation level needs to be checked and condensation drained regularly.

CONDENSATION WATER

The ventilation pipe from Big Hanna Composter is connected to the bottom of the biofilter. The air is pushed into the biofilter and is led out at the top of the biofilter box (right hand corner on picture). The condensate is collected from the bottom of the biofilter and emptied through a tap at the bottom of the box. If possible, it is good to have a drain on the floor near the biofilter so that the condensation can be easily drained. If there is no access to a drain, it is possible to empty the condensation into a bucket. There will be less condensation generated in indoor installations.





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MECHANICAL MACERATOR & DEWATERER

Food waste from restaurants/canteens often contains a lot of water. There are macerators in combination with a pulper/dewaterer available that reduces the initial volume of wet food waste by approx 50-80% before being fed in to the Big Hanna Composter. Big Hanna Composter have been used in combination with this equipment with excellent results for many years. There are a number of different brands available - contact our sales staff to discuss this option!

INSTALLATION

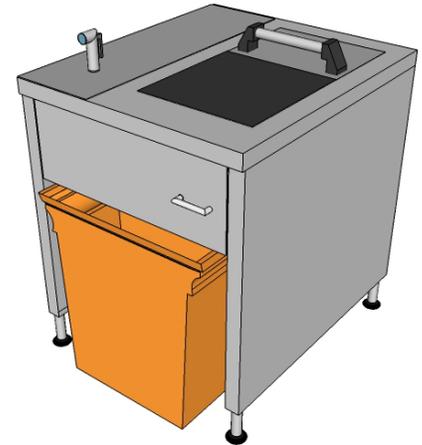
Usually the macerator / dewatering equipment is installed in the kitchen and the food waste is transported to the Big Hanna Composter in small buckets.

CAPACITY

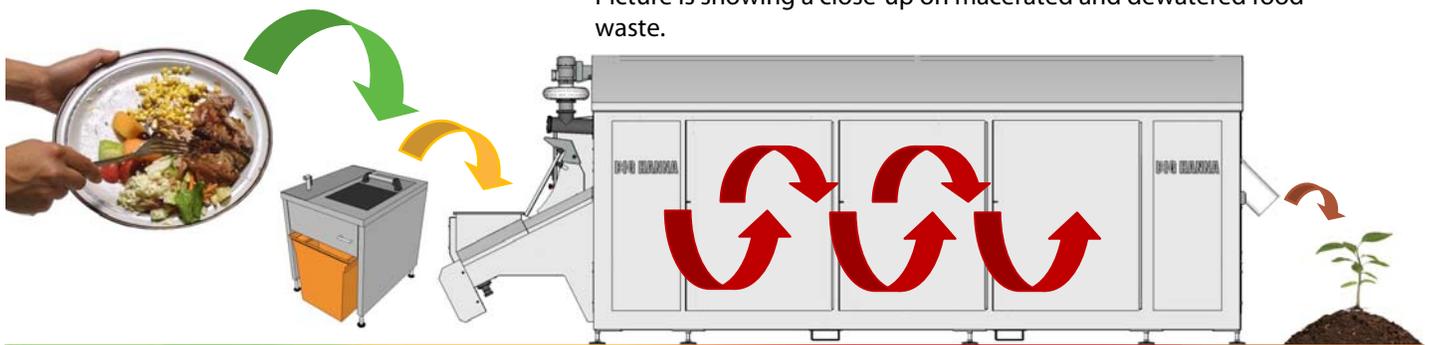
The macerator / dewatering equipment reduces the volume and weight of the food waste and increases the capacity, i.e. more food waste can be recycled.

MAX WEEKLY VOLUME OF FOOD WASTE (lbs):

Model	T60	T120	T240	T480
Max lbs	900	1700	4100	8500



Picture is showing a close-up on macerated and dewatered food waste.



200 lbs food waste
Food waste is fed into the macerator and dewatering unit which reduces the food waste by appr. 80% in volume (50 weight-%)

100 lbs food waste + sawdust
The dewatered food waste is fed into the composter together with 10-20 weight-% of sawdust.

Big Hanna composter
The biological process in the Big Hanna composter reduces the food waste itself by up to 90%.

10 kg compost + sawdust
The result – peat free, environmentally friendly compost – 100 lbs of dewatered food waste including the sawdust generates about 20-30 lbs compost.