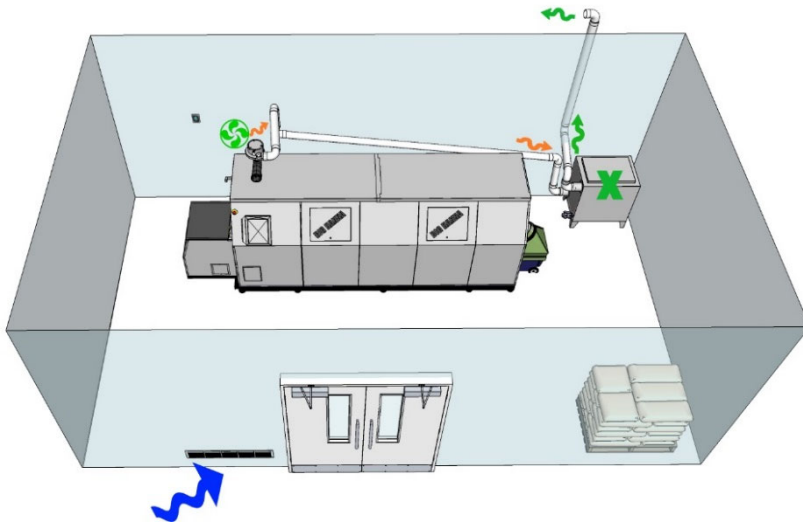




BIGHANNA[™] composter

HANNA BIOFILTER



Susteco's unique biofilter is an excellent option for the treatment of odours generated by the composting process. Manufactured in stainless steel the Hanna Biofilter is a simple, trouble free option that can be sited in interior and exterior locations. Exhaust air including smells, steam and condensation are lead into the bio filter where smells are neutralized through a layer of bark that is treated with enzymes. This allows the air from the biofilter to be let out to open air in areas with a lot of buildings.

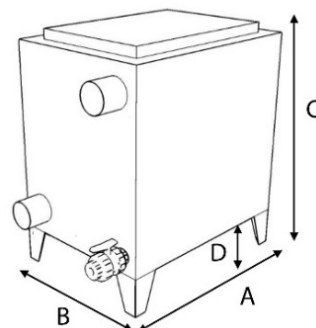
AIRFLOW FROM COMPOSTER

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

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 0° C 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.

MEASUREMENTS

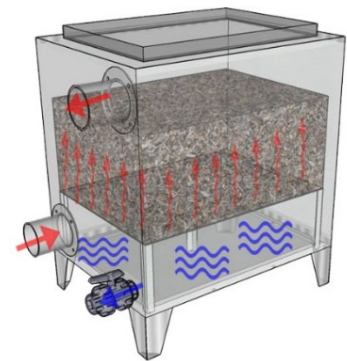


SIZE	MODEL	A	B	C	D	Bark
		mm	mm	mm	mm	Liter
Biofilter	T40- T240	1000	600	1050	260	200
Biofilter XL	T480, Neter12	1400	800	1200	260	500
Biofilter XXL	Neter20	1400*	1200*	1350*	260*	1000
Biofilter XXXL	Neter28 to Neter36	2450*	1200*	1350*	260*	2000

*measurements are approx and might change

MAINTENANCE

- ✓ The biofilter has to be watered regularly.
- ✓ Condensation level needs to be checked and condensation drained regularly.
- ✓ Enzymes (water solution) need to be added every 2-4 months.
- ✓ Bark needs to be added approx 1 time per year.



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.