

# User Manual

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## WooWoo GT 120/330



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## Preparations

The composting power of WooWoo GT is due to the double base which works in the same way as an under-watering plant pot. A large part of the liquid waste is absorbed back into the composting mass through capillary action, thus boosting the composting process. The same connection can let excess liquid drain down, preventing the mass from getting too saturated and the composting from turning anaerobic.

To get the WooWoo GT ready for use, cover the removable base plate and “legs” with a 5-10 cm layer of dry material, eg. sawdust, hemp fibre, or wood shavings. This layer is vital as it enables the capillary feature to work. Make sure the dry material is compressed down into the “legs”.



After every emptying, remember to repeat this process and add a new layer of dry, organic material to the base before use.

We have found **fine wood shavings** - often sold as horse bedding, to be one of the best, and readily available cover materials.

# Installation

The most common way to install a WooWoo GT is to push the container from the back of the building under the seat bench/platform (your building will need to be constructed accordingly).

Try to mock up the installation before cutting holes for the waste shaft and seat.

## Waste Shaft



The waste shaft slides under the seat bench, guided into position by installing the supplied wooden rails. The flange on the top of the waste chute will then be held in position on either side of the toilet seat hole.

These rails also ensure that the shaft holds firmly in place during use.

When you are sure about the positioning and location of the WooWoo GT, the waste shaft and the toilet hole, you can trim the waste chute if it's too long, using a saw.

Alternatively, you can cut a circular hole, fractionally bigger than the shaft on the waste chute, but not as big as the flange. The chute can then be dropped in from above (inside the toilet cabin/room) and the flange will hold it in place. If you do this, you may need to place a packer (the same thickness as the flange on the chute) under the back of the toilet seat to raise it up slightly.

Always measure twice and cut once!

## Ventilation pipes

110mm ventilation pipe (sourced by the customer/installer) is preferably taken straight up the wall.

The ventilation pipe is capped with the supplied spinning vent (unless you use an electric fan), which keeps rain out and increases airflow and evaporation through the vent pipe.

The supplied flexible joint connects the 110mm ventilation pipe with the top of the WooWoo GT toilet. The WooWoo GT package includes fixtures to secure the 110mm vent pipe to the wall. These fixtures can be bent so that the pipes can be fastened with screws, however, you can use whichever suitable method or fixing system that suits the building.



For best results, the ventilation pipe should be straight with no further bends or corners that will impair the airflow.

Make sure there is enough space and suitable flat ground behind the outhouse for the service of WooWoo GT containers.

## Leachate & liquids

As a result of the capillary double base of WooWoo GT, 80-95 % of the liquid waste is used in the composting process or evaporated through ventilation.

Excess liquid (leachate) can be led away into a small soak-away pit or a suitable 20-litre canister set into the ground. The leachate hose is supplied with the WooWoo GT toilet package and is attached to the outlet on the lower rear of the toilet. The hose should be set so that the liquid flows slightly downhill into the leachate canister or soak-away pit. If you are using a canister, this should be emptied when full. The leachate can be used as a fertiliser for ornamental plants or trees. However, make sure that the leachate does not get to any open water, well or any other water system. The amount of leachate generated will vary throughout the year - in summer, there will be very little as higher temperatures will encourage greater evaporation.





In public sites where the overall use is higher, we'd recommend installing a urinal as well. This will help to handle possible peaks in the use and reduce the amount of leachate. From urinals, the urine can be led back to the ground through a soak-away pit. Alternatively, the urine can be collected directly to a container after which it can be used as a fertiliser, or disposed of in a suitable manner.

The optional **Geo-Trap** is a nutrient filter (available through [WooWoo](https://www.waterlesstoilets.co.uk)) which will remove the majority of the nitrates and phosphates from the leachate so the remaining liquid can be run around the roots of trees and bushes.



<https://www.waterlesstoilets.co.uk/toilets/geotrap-nutrient-filter-box/>

# Using the WooWoo GT toilet

The WooWoo GT can be used almost like any normal water toilet. Toilet paper can be thrown into the toilet because it composts together with the toilet waste.

However, all non-biodegradable waste, such as sanitary towels containing plastic should be placed into a separate bin. Don't pour any chemicals into the WooWoo GT - if you need to use cleaning products, use 'eco-friendly' products and minimise the amount that gets into the container.

Never empty Elsan or cassette toilet contents into the WooWoo GT.

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To enable composting, the WooWoo GT needs to have an organic cover material added - this can be done in one of two ways, depending on the requirements of the owner or site.

The first option is that after each solid/poo use, a handful or scoop of organic covering material should be added to the toilet. Nothing needs to be added after a wee/urine use.

The other way is that the owner adds the organic covering every few days or every week, so the user doesn't have to do anything.

The most common error made in using the WooWoo GT is that people add too much cover material - this will reduce the overall capacity.

The composting process and capacity of the toilet can be enhanced by levelling and mixing the compost occasionally.

## Servicing

When you want to empty the WooWoo GT, first lift the flexible part of the ventilation pipe off to the top of the toilet.

If the waste chute is installed from the inside, pull this up so that the end is out of the container. Slide the toilet out from under the outhouse or building, if necessary, you can disconnect the leachate pipe. We provide a 'bung' to stop any liquid coming out of the WooWoo GT whilst you move it.

In most cases the WooWoo GT 120, when full, can be moved by one person, although the GT330 will need two people for comfort and safety.



If you now want to use the WooWoo GT spare container, the full container is set aside and closed with the spare container lid. You can remove the wheels and fit them to the other container.

The waste in the full container can be left to decompose. If you do not have a spare container or need to reinstate this container, you can transfer the contents into a compost bin or another suitable container and allow it to naturally turn into compost.

Don't worry about cleaning the inside of the container too much - some compost will act as a booster or inoculant to start the next batch!

Toilet waste should never be emptied into the environment without composting. Because of the efficient way that the WooWoo GT works, the contents are ready to be used as an eco-fertiliser after 6-12 months of composting, depending on the climate. Where possible, we always recommend batch composting within the WooWoo GT spare containers as these are safe, easy to use, involve minimal handling and promote good air circulation.

## Use of compost

Composted toilet waste is recommended to be used only for ornamental plants, or around shrubs and trees,, particularly if the toilet has some public access. If used in a vegetable garden, make sure the compost is completely decomposed by extending the compost time to at least 18 months - this will allow the compost to fully 'mature'.

Please note that compost from the toilet is generally acidic, especially when fresh, so it's good to add about a third of sand, soil, or other organic matter into it before using it as a fertiliser.

## Accessories

WooWoo carry a range of accessories and supplies for your WooWoo GT. Please visit our website or call us for assistance.

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