



USER AND INSTALLATION MANUAL



GREEN TOILET
Lux

CONGRATULATIONS ON YOUR GOOD AND ECO-FRIENDLY CHOICE!

Green Toilet Lux is a well-tested, Finnish-made composting dry toilet that is suitable for both permanent residences and vacation homes. By using Green Toilet Lux, you save dozens of liters of clean water every day and completely eliminate the production of black wastewater. Green Toilet Lux is durable and designed to serve you for years to come!

CONTENTS OF DELIVERY



Porcelain seat (separating or non-separating) and **seat cover**



Green Toilet composting container and spare container (120 or 330 l)



Ventilation pipes 2 x 100 cm, **connector** (1 pc), and **brackets**



Aluminum flexible hose (1 pc)



Vent pipe cap
(optional wind-driven ventilator)



Leachate container and liquid hose 150 cm (for the separating version, 2 pcs)



Electric inline fan



Waste chute Ø 200 mm, length 100 cm (longer version available if needed)



Bulking material bag

SCHEMATIC INSTALLATION OVERVIEW OF GREEN TOILET LUX

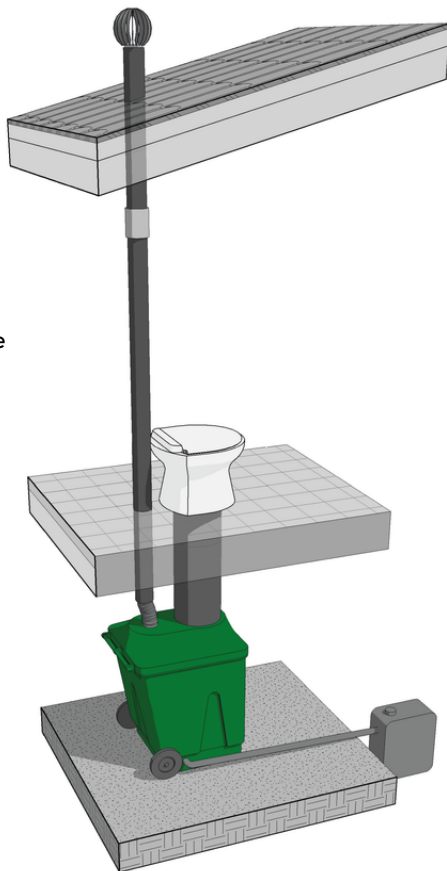
Green Toilet Lux is installed on two levels, ensuring that the composting container and waste chute are positioned directly beneath the toilet seat. The ventilation duct is connected from the composting container and directed outside through the roof.

The electric inline fan can be installed freely in the ventilation pipe, but preferably in a dry indoor space to ensure a longer lifespan. The fan has a protection rating of IP44, meaning it can also be installed outdoors.

When an electric duct fan is used, the ventilation pipe can, if necessary, be routed horizontally through the floor structure to an external wall, and bends can be made in the pipe. The duct fan is installed directly between the black 110 mm ventilation pipes. The installation is done either by cutting the pipe at a suitable point and placing the duct fan between the pipes, or by replacing a pipe connector with the duct fan.

If electricity is not available, the minimum requirement for enhancing ventilation is installing a wind-driven ventilator at the end of the ventilation pipe. In this case, the ventilation pipe should be routed as straight as possible up to the roof to ensure optimal airflow.

Excess liquid from the compost, known as leachate, is directed either into a collection container or a GeoTrap Dry Toilet Filter (optional accessory).



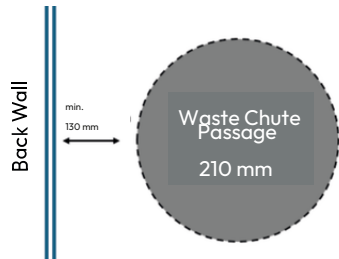
Pikkuvihreä is here to help!

If you have any questions about the installation of **Green Toilet Lux**, please feel free to contact us. You can also send us pictures of the installation site—we are happy to provide guidance to ensure a proper setup.

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INSTALLATION OF THE PORCELAIN SEAT

Carefully measure the position of the porcelain toilet seat and plan the location of the waste chute in the floor. Thoroughly inspect the floor's support and joist structures. Leave at least 130 mm of space between the seat and the back wall. If possible, leave more space (e.g., 200 mm) to make it easier to replace the seat cover without removing the porcelain seat.

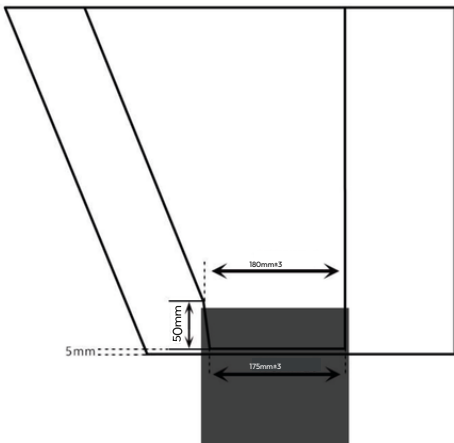


Once you have measured the appropriate location, cut a 210 mm diameter hole in the floor for the waste chute.

Pass the waste chute through the floor and leave it extending approximately 55 mm above the floor surface. Place the porcelain seat over the waste chute, ensuring that the porcelain chute fits tightly over the black plastic chute. No additional sealing gasket is required.

The porcelain seat package includes mounting brackets for securing the seat to a wooden floor. If installing on a different type of floor, the seat can be secured with silicone adhesive instead.

Secure the waste chute to the floor with screws, either from above or from the subfloor. If the hole for the chute is too large, seal the gap with insulation material, such as mineral wool. If the chute is too long, cut it to the appropriate length. The chute should extend 2–8 cm inside the composting container lid (see diagram for reference).



A separate illustrated guide for installing the seat cover is included as an attachment to this user manual.



The waste chute should extend 2–8 cm inside the composting container.



INSTALLATION OF THE PORCELAIN SEAT (SEPARATING MODEL)

The separating porcelain seat requires floor openings for both the solid waste chute (as described on page 3) and a separate 35 mm hole for the liquid drain hose. A detailed installation guide for the Hanko separating seat is included in the delivery package.



GREEN TOILET COMPOSTING CONTAINER INSTALLATION AND INITIAL SETUP



Cover the Green Toilet composting container's double bottom with about 10 cm of bulking material and place it at the bottom of the container that will be used.

The bulking material layer at the bottom helps kickstart the composting process and also absorbs liquid into the compost if it is too dry. Composting works best when the material is at the right moisture level: not too dry, but not too wet either. The design of the Green Toilet ensures the correct amount of liquid in the compost.

Place the composting container and the lid with the round opening directly beneath the waste chute, ensuring proper alignment.

Create an appropriate opening for the ventilation pipe, either through the roof or an exterior wall. Ensure that the first section of the ventilation pipe is always a flexible hose, allowing easy disconnection when replacing the container.

Install the electric inline fan in the ventilation pipe, ensuring it is placed in a dry indoor location for optimal lifespan. Important: Check the airflow direction before installation. The fan has an arrow on its side indicating the airflow direction, which should point outward to ensure proper ventilation.

The fan should always remain on to ensure that airflow does not move in the wrong direction under any circumstances. The fan has two speed settings that allow the ventilation intensity to be adjusted. For most household use, the lower setting is sufficient.

Insert the waste chute 2–8 cm into the composting container. If needed, the black waste chute can be shortened by cutting off a section.





Finally, connect the excess liquid hose to the composting container's outlet (located between the rings). The hose should have a downward slope to ensure proper drainage into the collection container or filter.

To achieve the necessary slope, it may be necessary to place the composting container on a small platform.

GREEN TOILET LUX USAGE AND MAINTENANCE

Using Green Toilet Lux is simple: it is used just like a traditional water toilet, but without flushing. All toilet waste and paper go directly into the composting container.

Note! Hygiene products containing plastic, such as menstrual pads and tampons, should be disposed of in a separate waste bin. They do not decompose along with other waste.

Add approximately 1 dl of bulking material after each use or as a separate maintenance routine, about 3–4 liters a couple of times per week. To enhance the composting process, it is beneficial to use biodegraders or compost accelerators. These help speed up decomposition and can further extend maintenance intervals.



The porcelain seat can be cleaned with water as needed, using a watering can and a toilet brush if necessary. Biodegradable cleaning agents can also be used. Moderate use of a bidet spray is possible with Green Toilet Lux. If the bidet is used more frequently, it is recommended to increase the amount of bulking material accordingly.

The leachate container should be checked 1–4 times per month, depending on usage. It can be emptied into a garden compost, or used as a nutrient solution for large trees or shrubs. However, ensure that leachate does not enter water bodies, wells, or vegetable gardens.

When the composting container becomes full, it is time to switch to an empty one. However, before doing so, it is a good idea to level the compost slightly using a stick or similar tool, as empty spaces often remain along the edges. By leveling the compost pile, the container change can often be delayed. Composting also works best when there is already a significant amount of biomass in the container, so it is not recommended to switch containers too early.

When changing the container, first disconnect the leachate hose from the container. Lift the lid slightly so that it can be pulled out from underneath using the support rings. Place the closed lid on top of the full compost container and move it to a suitable location for further composting. The best storage location for the composting container is a warm and sunny area, as heat accelerates the composting process.

Fill the bottom of the replacement container with bulking material, just as you did during the first use, and place it under the chute. Green Toilet Lux is now ready for use again.

By the time the next container change is needed, the contents of the first container will likely be fully decomposed and can be used as soil conditioner. Compost soil is often very nutrient-rich, so it is best mixed with sand or other soil material or spread over a large area in the garden.

If using a urine-separating seat, liquid waste is handled separately. During the growing season, it can be used as fertilizer in the garden when heavily diluted with water. In some cases, it can also be purified through filtration. Contact your local building authority for more information on wastewater regulations in your area.



Scalable

The capacity of the Green Toilet Lux system can be easily expanded by adding additional replacement containers as needed.



Frame warranty 10 years (Green Toilet container and porcelain seat), other parts 2 years from the date of purchase.

Applies to household use according to the instructions, not for public use.

 **Pikkuvihreä**