Green Toilet Lux
Composting toilet

Installation and user manual



Waterless Toilet
Shop

Essential Safety Guidelines for Use and Maintenance

For Users:

Follow Manufacturer's Instructions: Always adhere to the specific guidelines provided by your composting toilet's manual regarding use, maintenance, and compost removal.

Do Not Dispose of Inappropriate Items: Only human waste and toilet paper should be added to the composting toilet. Avoid disposing of items like sanitary products, chemicals, and non-biodegradable materials, as they can disrupt the composting process or damage the system.

Maintain Adequate Ventilation: Ensure the ventilation system is always functioning correctly to prevent odors and promote aerobic decomposition. This is crucial for the composting process and for keeping the environment safe and pleasant.

Use Composting Additives as Recommended: Some composting toilet systems require bulking agents like sawdust, hemp, or peat moss to help balance moisture levels and carbon-to-nitrogen ratios. Follow the specific guidelines provided by your composting toilet's manual regarding use of additives.

Monitor Moisture Levels: The compost should be moist but not wet. Excess moisture can lead to odor issues and improper composting, so adjust as necessary according to your system's instructions. Trust your instincts when monitoring moisture levels; if the compost looks and feels too wet, it likely is, and conversely, if it appears too dry, you may want to decrease the amount of used dry material.

Practice Good Hygiene: After using the composting toilet, wash your hands thoroughly with soap and water to prevent the spread of pathogens.

For Service and Maintenance:

Wear Protective Gear: When servicing the waterless toilet, always wear gloves, and suitable clothing that protects your skin to avoid direct contact with waste material.

Regular Inspection and Maintenance: Regularly inspect the system for signs of wear or malfunction, including the ventilation system, and perform any recommended maintenance tasks according to the product manual.

Handle Compost Properly: Mature compost should be handled according to local regulations regarding human waste compost. It often needs to be cured outside the toilet for several months before it can be safely used in non-food gardens or disposed of.

Avoid Using Harsh Chemicals: Do not use chemical cleaners or pesticides in or around the composting toilet, as these can kill the beneficial bacteria responsible for decomposition.

Report and Address Issues Promptly: If you notice odors, leaks, or any malfunctioning parts, address these issues immediately to prevent health hazards or damage to the system.

Emergency Situations:

In case of a spill or accidental exposure to raw waste, clean the area thoroughly with a disinfectant suitable for biological waste and follow local health guidelines for such exposures.

If the system becomes damaged or malfunctions in a way that poses a health risk, cease use immediately and contact the manufacturer or a professional for repair or advice.

In case of a life-threatening situation, prioritize safety by calling 911 immediately to get professional assistance.

Following these safety instructions can help ensure that your composting toilet operates effectively, promoting environmental sustainability while minimizing health risks.

Dear Friend,

Thank you very much for choosing our waterless toilet!

We hope that you enjoy many years of fruitful, waterless and trouble-free use. Please don't hesitate to contact us with any questions or suggestions, we are here to help. Feedback is always welcome and is an invaluable part of providing an excellent product and service!

Finally, thank you for being an integral part of the environmental solution. The Earth will thank you too!

Sincerely on behalf of the whole Waterless Toilet Shop team



Eemeli Palo

Dry Toilet Expert at the Waterless Toilet Shop

2041 Pabco Road

Henderson, NV 89011

United States of America

Waterless Toilet Shop

Waterless Toilet Shop

Dear customer,

Please note that the package contents in the U.S. can differ from the one listed on the product manual. The reason is the varying pipe sizes between Europe and the U.S.

However, the package includes the same main product components, and the operation is as described in the toilet manual.

Hope you will be happy with your new ecological toilet. Please feel free to contact us if you have any questions concerning the installation or use.

info@waterlesstoiletshop.com

tel. (702) 328 0689

MANUAL FOR INSTALLATION AND USE



GREEN TOILET
Lux

TEHTY SUOMESSA
MADE IN FINLAND

CONGRATULATIONS FOR YOUR NEW, ECOLOGICAL DRY TOILET!

Green Toilet Lux is an composting toilet that is easy and pleasant to use and service. It is durable and will serve you for many years to come.

PACKAGE CONTENT



Porcelain seat



Lux GT container



Spare container



Duct fan (12V)



Waste pipe 2 ft



Flexbile Vent Pipe and Fixtures



Urine canister and hose



Wheels



Hemp bale

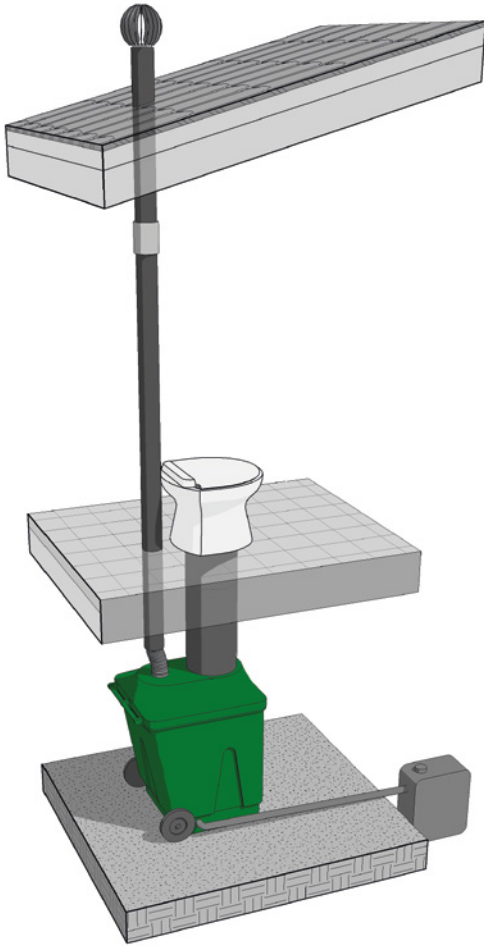
EXAMPLE OF BASIC INSTALLATION OF GREEN TOILET LUX

Green Toilet Lux is installed on two levels: The porcelain pedestal is placed to the bathroom and the Green Toilet composting unit below the floor level to a cellar or outside to the basement. It is important to ensure that the waste pipe goes straight vertically down from the pedestal.

The ventilation is led from the composting unit outside to the roof level. The electrical duct fan can be installed anywhere in the ventilation line. The fan is protected against dripping water, so it can be placed outdoors (classification IPX2). However, the fan will last longer if it is installed into a dry space.The ventilation pipe can also be led out through a wall and curves are allowed. If you are using the electrical duct fan, only a ventilation pipe hat is needed on the top to prevent the rain to flow in (included in the package).

If there is no electricity available, then a wind fan is highly recommended, and the ventilation pipe should go up as straight as possible without making any curves.

The seap liquid, ie. the excess liquid that comes out of the composting unit, can be led to a canister or to a GeoTrap Dry Toilet Filter.



We're here to help!

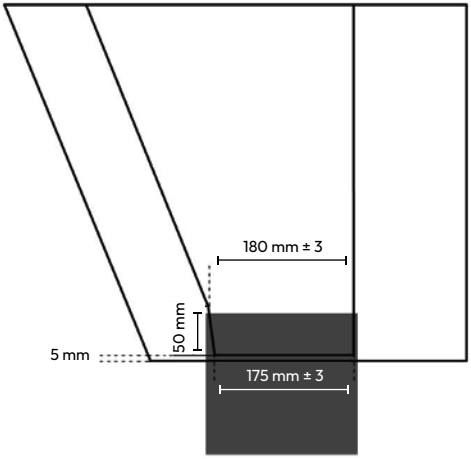
Contact us if you have any questions about the installation of Green Toilet Lux. You can also send us pictures of the installation site. We are happy to advise on the right implementation.

tel. +358 50 442 4775 / info@greentoilet.fi

ASSEMBLY OF THE NON-SEPARATING PORCELAIN PEDESTAL

Measure carefully the place for the porcelain pedestal in the bathroom and where the hole for the waste pipe will be. Check possible floor structures before cutting the hole.

When you have measured the right place, make a hole of 210 mm to the floor. Lead the waste pipe through the hole so that about 5.5 cm is above the floor level. If the hole for the pipe is loose, add insulation material.



Place the pedestal above the waste pipe so that the porcelain shaft goes into the black pipe tightly. Lift the black pipe upwards, if necessary. No additional or silicone gasket is needed.

There are fixures for the porcelain pedestal for fixing it to the floor included in the package. Those can be used if the floor is made out of wood. Alternatively, you can fix the pedestal to the floor with silicone mass.

Place the black waste pipe to the right height and attach it with screws either from upper or the lower side of the floor. The waste pipe should go some 5-10 cm into the composting unit.

In the end of this manual you will find instructions for fixing the seat to the porcelain.



The shaft should come 2-8 cm into the composting unit.



ASSEMBLY OF THE URINE SEPARATING PEDESTAL

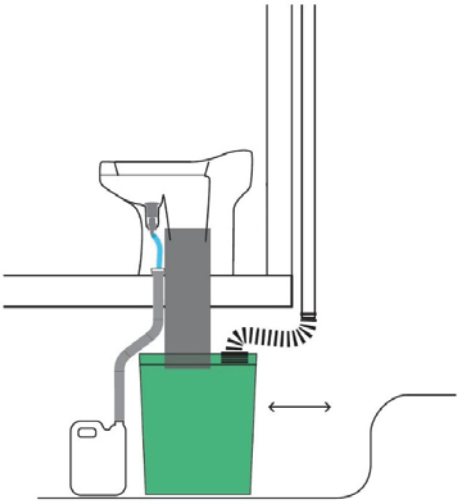
When you have measured the right place for the pedestal, make a hole of 210 mm to the floor. Lead the waste pipe through the hole so that about 17 cm is above the floor level.

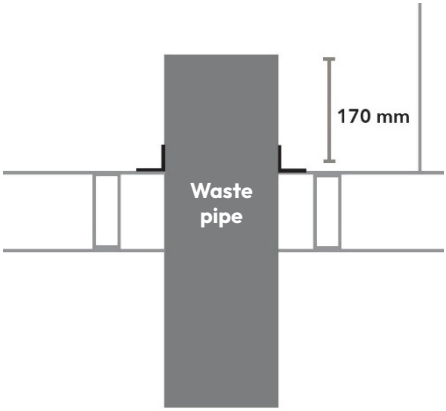


The black waste pipe (diam 20 mm) is assembled as described above. For the separating pedestal, you will also need make an extra hole of about 30 mm for the liquid hose (Ø 25 mm) on the front side.

The liquid hose is attached to the urine bowl and led down to a canister or to a dry toilet filter (not included in the package).

There are more detailed instructions for assembly of the urine-separating pedestal included inside the pedestal package.





ASSEMBLY OF THE GREEN TOILET COMPOSTING UNIT



First, cover the double base of the Green Toilet with some organic, dry material: peat moss, saw dust, agricultural chopped waste etc.

The layer should be about 10-15 cm to give a good start for the composting process. Place the double base into the container which will come into use first.

Place the composting unit with the open lid below the waste pipe as described earlier.

Connect the black liquid hose to the outlet in the lower front of the Green Toilet and the other end to the canister (or a filter).

Make a suitable outlet through the wall or the roof for the ventilation pipe. The flexible part of the ventilation kit should be the first part connected to the container. Thus, it can be easily removed when servicing the containers.

Preferably, install the duct fan to a dry place. **It should be always on** to ensure the right air flow at all circumstances. The fan has three power levels to accommodate different use cases. In many cases the lowest speed level (1) is enough in domestic use.





The liquid hose should lead at least a bit downwards so that the excess liquid can flow out of the composting unit.

Sometimes the Green Toilet container has to be placed on a small platform to get the liquid flow downwards.

Attach the end of the hose to a canister or to a filter. If possible, a secure hole for the canister can be made.

USE AND MAINTENANCE OF GREEN TOILET LUX

The use of Green Toilet Lux is simple: you can use it just like the water toilet, but without flushing. All toilet waste, together with the toilet paper goes down into the same composting container. Please note, that any hygiene products that contain plastic should be put into a separate waste bin. They will not compost and should therefore go with the other household waste.

Dry material can be added either after every use, 1-2 dl (one cup) or as separately, once or twice a week eg. one bucket (10 l).





The porcelain seat can be washed with water and biodegradable detergent. You can pour water from a watering can and use normal toilet brush. You can also use bidet with Green Toilet Lux for personal hygiene. Please note, that if you use the bidet a lot, it is good to add more dry material to the compost.

Depending on the level of use, it is good to check the liquid canister 1-4 times a month. The seap liquid can be used directly as fertilizer to non-eatable plants, bushes and trees. When using the seap liquid, make sure that it cannot get to any water body: well, bond, ditch, sea or lake.

When the first composting container gets full, it is time to change the container. However, before you change to a new container, it is good to level and stir the active compost in use. Many times, this will postpone the need for the change as the composting process is usually at its best when there is a lot of biomass in the container. So do not hurry too early – let the compost work for you!

When you do the change, first take the liquid hose out of the container, and lift the end up so no liquid is spilled. Lift the lid of the Green Toilet container so that you can pull that out by using the wheels. Then, put the closed lid onto the full container and wheel it out to a suitable place to decompose. The best place would be a warm, sunny side of the yard to maximize the power of sunlight.

Fill the double bottom of the empty container with a layer of dry material. Place the container under the waste shaft and close with the lid. The use of Green Toilet Lux can continue again!

When you make the next change of the container, the compost mass in the first Green Toilet is probably ready to be used in the garden. The compost is usually very nutritious, so it is a good idea to mix it with soil or sand before applying to plants. Or – you can use it just small amounts and spread widely in the garden. When the biomass is fully composted, after about 8-14 months, there is no fear of pathogens, it can be used anywhere to fertilize and treat the soil.



Scalable

The capacity of Green Toilet Lux system can easily be grown by acquiring more spare containers.

WARRANTY

New parts are furnished to a customer whose toilet fails within the allotted warranty period for the particular component, provided that our inspection shows such failure is due to defective material or workmanship. Any part supplied is warranted for the balance of the original warranty period. The warranty period for a part begins from the date the original product was dispatched (plus 10 working days for transportation).

Warranty Period:

Any electrical component including solar 1 year

Any rotomoulded component 15 years

Any porcelain component 4 years

Toilet seats 1 year

Any other component 1 year

This warranty does not cover:

1. Damage resulting from neglect, abuse, accident, or alteration; or damage caused by fire, flood, acts of God or other causality.
2. Damage resulting from failure of the purchaser to follow normal installation and operating procedures outlined in the manual or in any other printed instructions supplied with the system.

Items subject to a dispute, where photographic evidence is inconclusive, must be sent prepaid to Waterless Toilet Shop. The cost will be reimbursed by Waterless Toilet Shop should the claim be found valid.

In addition to the above, a fan that fails during the warranty period will only replaced under the following conditions:

1. The fan has only ever been connected and powered by either a 12-volt transformer plugged into mains power or a solar system supplied by Waterless Toilet Shop. Connecting your fan directly to a power source other than one supplied or specified by Waterless Toilet Shop may result in damage to the fan and void the warranty.
2. The fan and transformer must not be modified/altered in any way.
3. The faulty fan is returned to Waterless Toilet Shop for inspection, if required.

Providing the above conditions have been met replacement fans are shipped the same or following business day free of charge by regular post.

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