Green Toilet 100 Easy

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

GREEN TOILET
100 Easy

INSTALLATION AND OPERATING MANUAL



Pikkuvihreä

TEHTY SUOMESSA
MADE IN FINLAND

CONGRATULATIONS ON YOUR ECOLOGICAL CHOICE!

By using a dry toilet, you can save clean water, reduce the amount of waste water, recycle nutrients on your own property, and at the same time also get financial savings.

Green Toilet 100 Easy is a composting toilet that can be used both in an outhouse or indoors. All toilet waste, the liquids and solids, together with the toilet paper go into the same composting container. The special double base of Green Toilet efficiently separates the excess liquid from the compost mass, which is the key feature for preventing odor problems and enables composting.

Green Toilet 100 Easy is suitable for 4-5 persons in seasonal use, e.g. in a holiday home and for 2-3 persons in continuous use. Like the other Green Toilets, there is a spare container available for the Green Toilet Easy as well. The use of a spare container doubles the capacity of the system and makes the service effortless. One doesn´t have to handle any raw compost at any point.

CONTENT OF THE PACKAGE

- Toilet tank and seat cover
- Green Toilet hinged thermal seat
- Ventilation kit (diam 75 mm): 3 pcs black hard pipe 70 cm, flexible pipe 80 cm, fixtures and joints, ventilation pipe hat
- Liquid hose 150 cm, diam 32 mm
- Plug for covering the liquid outlet 75 mm
- Pack of dry material for composting
- Manual for installation and use







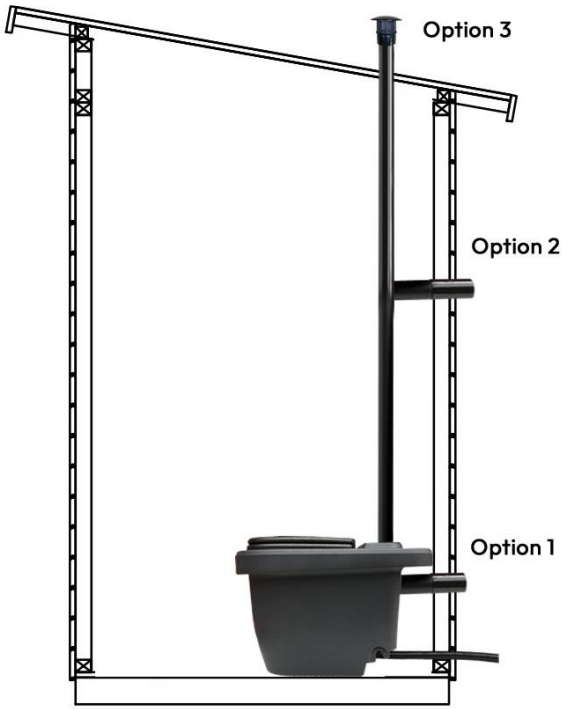

OUTHOUSE INSTALLATION

Green Toilet Easy is installed directly on the floor so that there are openings from behind for the ventilation pipe up and for the liquid hose down.

Ventilation pipe installation options:

A. The ventilation pipe is installed from behind the toilet directly out of the back wall. The opening for this installation option is ready-made behind the toilet. After the hard pipe, a flexible pipe is used in the bend and the pipe is brought up, preferably at least above the level of the eaves. The flexible tube in the package can be cut shorter and used if a bend is needed for installation in another direction.
B. If you prefer to install the ventilation pipe from the top of the toilet or from the back left, you can plug the readymade hole with the 75 mm plug included in the package and drill a new hole in the desired place. The device has small drill hole marks in alternate places on the top and back. Install the flexible tube in the place from where you maintain the toilet. You can use the flexible tube in bends and cut it in a suitable length.

A picture of the alternative installations of ventilation pipes:



Please note that the ventilation works best if the pipe is pulled as straight up as possible. If you must make bends in the line, it may be wise to add a wind fan (accessory) to the end of the pipe to improve traction.

Once the vent pipe is in place, add a vent pipe cap to prevent rainwater from entering the pipe.

For the liquid hose, you need a hole in the back wall, as low as possible or out through the floor. Connect the liquid hose included in the package to the toilet. The hole is at the bottom in the back. Connect the hose outside to either a collection canister or, for example, a GeoTrap Dry Toilet filter (accessory).

INTERIOR INSTALLATION

Green Toilet 100 Easy can also be installed for indoor use. The installation is basically the same as for an outhouse, but in this case special attention should be paid to ventilation.

If electricity is available at the site, it is advised to install an electric duct fan in the ventilation pipe, which ensures ventilation in all conditions. If there is no electricity, the ventilation pipes must be installed straight up to the roof, so that gravity ventilation works as intended. In this case, you should add a wind fan to the end of the pipe.





GETTING READY

When the toilet, ventilation pipes and liquid hose have been properly installed, the toilet itself is prepared for use. Cover the double bottom of the toilet with a generous layer (about 5–10 cm) of the dry material that came within the package. With this layer, composting gets off to a good start from the beginning.

Remember to do this every time take an empty tank into use. As bedding, you can use anything organic material, such as peat, saw dust, dry leaves from the garden etc.. Green Toilet 100 Easy works well with different dry materials.



USAGE AND MAINTENANCE

With Green Toilet 100 Easy, you do your business like in a water toilet - only the flushing is missing! After using the toilet, add about 2-3 dl of bedding on top of the waste. Alternatively, you can add bedding as a separate maintenance procedure a couple times a week.

During use, more compost accumulates in the middle, and from time to time it would be good to level the compost with a tool reserved for it: a compost mixer, a manure fork or a wooden stick. At the same time, it is worth aerating the compost a little, because oxygen is important in the process. Compost that is too dense does not work well.

Excess liquid from the compost flows out through the liquid outlet at the back, either into the canister or the filter. During use, it is good to observe the liquid collection container every 2-3 weeks and, if necessary, empty the leachate. It can be poured into, for example, garden waste compost, where the urea it contains speeds up composting. It can also be used directly as an organic fertilizer for non-edible plants such as large trees and shrubs.

Note! The leachate is very rich in nutrients and therefore its entry into the water system must be carefully prevented. Keep a good distance from the shore, ditch, well, etc. when using leachate for fertilization. Also, change the place regularly with emptying layers.

When Green Toilet Easy becomes full, it is time for service. Do this:

1. Place the wheel assembly under the tank if it is not already in place. Behind the tank there is a hole where the axle fits.
2. ⚠ **Before discharging the liquid hose from the back, tilt the toilet a bit from the front. Thus, some of the excess liquid will flow out before releasing the liquid hose. After loosening the hose, place the black plug to the outlet to prevent any leakages while wheeling the toilet out.**
3. Use the wheels to take the tank out. The container can be carried past possible thresholds or steps by lifting it from the edges.
4. **Emptying and using the compost**
   If you use a Green Toilet 100 Easy replacement container, maintenance is particularly easy. Just move the closed lid over the full tank. Take the replacement container to a suitable, sunny place on the plot to compost.
   If there is no replacement container, you can move the toilet compost to the same container as the garden waste, to the compost it to the end.
5. Before taking the toilet back to its place, you should wash the outside of the toilet and the thermal seat with water and a mild detergent. Also note that the thermal seat can wear out it would be good to replace when it starts to wear out to keep it hygienic.
6. After emptying the tank, remember to cover the bottom of the Easy again with dry material before putting it into use
7. Take the toilet back to its place. Connect the ventilation pipe and the liquid hose.
8. You may now continue to use the toilet as before

Toilet compost is usually ready to be used for soil improvement and fertilization after 8-14 months of composting. It is good to mix the compost with soil before use, for example sand, so that it is not too nutritious for the plants.

FOR WINTER USAGE

Green Toilet 100 Easy can also be used in winter, but then you should consider the following:

- It is good to go into the winter season with an empty or almost empty tank
- The use of dry material should be considerably increased
- Replacement tank helps to get through the winter season without running out of capacity
- Easy's frame can withstand possible freezing of the compost without breaking

Manufacturer:

Meripalo Oy – Pikkuvihreä

Vanha Ahteentaantie 1 – 21140 Rymättylä FINLAND

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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