Green Toilet Light

Urine-diverting waterless toilet

Installation and user manual



Waterless Toilet Shop

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

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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.

CONGRATULATIONS ON MAKING AN ECOLOGICAL CHOICE!

By using a dry toilet, you can save clean water and recycle nutrients on your own property, while also achieving significant financial savings. The Green Toilet Light is a dry toilet that separates urine from solid toilet waste on the seat. Liquid waste goes out of the urine bowl in the front and is collected separately, while solid waste is collected in the waste container inside the toilet.



INSTALLATION IN AN OUTHOUSE

Green Toilet Light is installed directly onto the floor to a place where a maintenance hatch can be made in the back wall of the toilet. It is recommended to first mark the back wall with a marker to indicate where the hatch should be made, and then saw along the mark. The toilet hatch itself can be used as a template for this process.

Once opening for the hatch has been made, the toilet can be placed against the back wall. The frame of the toilet is designed in a way that it hides the sawed area behind the edge of the frame.



Next, you need to decide which side to run the ventilation pipe. There are ready-made places for the pipe to exit on both sides of the toilet seat. Once you've made your selection, cut a hole for the ventilation pipe on that side. A knife can be used for cutting, as the cutting seam is already thinned.

Insert the vent tube into the opening and continue with the ventilation pipes as you like, either through the ceiling or the wall. You may need to use extra bend pieces or flexible pipes for the installation, which can be purchased from Waterless Toilet Shop or a hardware store. Note that the ventilation works best

when the pipe is pulled up as straight as possible. If you need to make corners, it might be helpful to add a wind fan (optional) at the end of the tube to boost air flow.

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



To continue the installation process, you need to select the side from which you want to take out the urine hose. There are pre-made through-holes on both sides of the back of the toilet frame. Simply pierce one of them with a knife and bring the flexible hose through it.

If you require additional hose, you can purchase it from Waterless Toilet Shop or a local hardware store. Once you have the hose, connect it to the collection canister or filter. Then, place waste container under the seat and put the back cover of the toilet in place. You may use a biobag in the waste container to keep it clean.

INSTALLATION INDOORS



For indoor installations, the Green Toilet Light can be installed without a maintenance opening in the wall. To empty the waste container, turn the toilet body to the side to remove the container from behind.

The ventilation pipes are installed in the same way as in the outdoor installation, but it may be necessary to partially use a flexible pipe to simplify maintenance. Additionally, for indoor installations, it is recommended to use an electric duct fan or a wind fan to ensure efficient ventilation in all situations.

USAGE AND SERVICE

Green Toilet Light is used seated, including men. The urine passes correctly from the front bowl to the urine hose. Solid waste and paper are collected in a waste container that can be lined with biodegradable bags to facilitate maintenance. There is no

need for dry material in a urine separating toilet, but if you want to use it to cover the feaces, it is possible.

It is recommended to rinse the urine bowl with some water after use with a watering can if no pressurized water is available. This prevents sediment from forming in the pipe. Urinal capsules can also be used for this purpose.

To manage toilet waste, you will need...

1. A canister or other container for storing urine. Alternatively, a filter or an ejector tank can be used to further use urine in the yard. If interested in these latter options, contact us at Waterless Toilet Shop. When the canister is full, you can use the nutrient-rich urine for watering and fertilizing your plants. Dilute the urine with plenty of water before use and note that fertilization should be stopped between July and August to avoid disturbing the plants' preparation for winter. Do not let urine end up in waterways, as it contains a lot of nutrients. Keep a good protective distance from the shore, ditch, well, etc.

2. You will also need a composter for composting the solid waste. The waste should be treated in a composter with a lid to prevent rainwater from draining nutrients into nature. The solid waste is typically quite dry and may require some watering (urine or water) and coarser material, such as garden waste. The best composting result is obtained when the compost is suitably moist. You may use a biodegradable bag in the bucket to make emptying into the composter clean and easy. Do not put toilet waste in mixed waste.

The toilet and thermal seat can be cleaned with water and mild detergent as needed. The thermal seat is a wearing item that should be replaced when it starts to wear out to maintain hygiene.

CONTACT INFORMATION

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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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