

ECO-FLUSH

URINE-DIVERTING TOILET



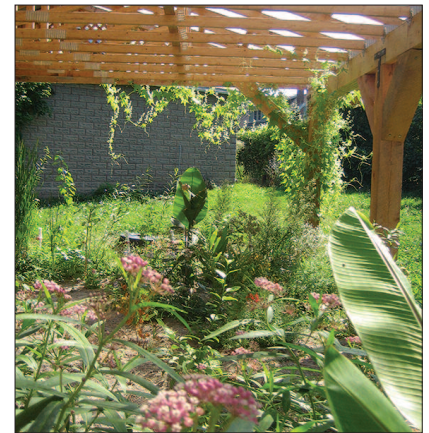
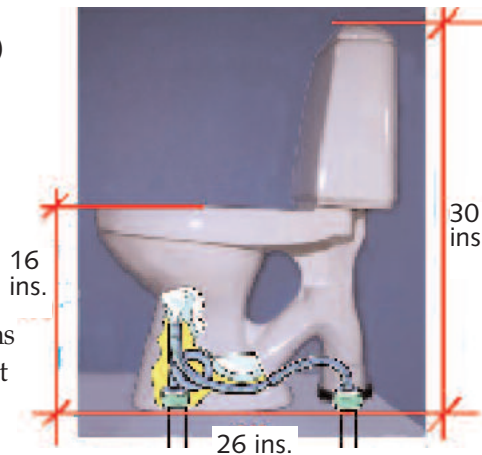
- Diverts urine for separate nitrogen processing
- Saves up to 80% water

Flush smart! The **Eco-Flush porcelain urine-diverting flush toilet** is an ultra-low-flush urine-diverting toilet with a difference: A special drain cast in the front of the bowl collects urine as it naturally expresses forward, keeping it separate for hygienic processing. Why? Urine contains as much as 90 percent of the nitrogen and 50 percent of the phosphorus in domestic wastewater, making urine diversion the most direct and cost-effective way to keep nutrients out of shorelines and groundwater.

The Eco-Flush flushes efficiently:

- Flush solids (feces, toilet paper, etc.) with just .6 to .8 gallons (2.5 liters, adjustable to 1.2 gallons)
- Flush urine with just .13 gallons, adjustable

Call for a price: 978-318-7033
 Or see our Web site for more information, including examples of installations and treatment guides: www.ecovita.net



Wastewater management doubles as landscaping

Urine and flush water can be:

- Flushed to a wastewater treatment plant
- Collected by a wastewater pumpout truck
- Drained to a graywater system
- Collected for land application
- Grown away on site with a lined, engineered Ecocyclet® garden



ecovita

Eco-toilets and tools for water-wise living

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EcoFlush Ultra-LowFlush Urine-Diverting Toilets Save Water and Recycle Resources Worldwide



Addressing nitrogen the ecological way

Keeping water clean in Orleans, Massachusetts

The Flynn-Wilkinson house on Cape Cod is a model of low-impact super-efficient building. Its owners, Alison Flynn and Seth Wilkinson, installed EcoFlush toilets in 2001 to divert urine to an underground tank next to their house.

Installation: Two EcoFlush toilets drain to a urine tank and septic system with an overflow to the septic system. When a float switch-activated alarm tells them when the tank is full and ready to be emptied or applied to carbon composting on site or collected for treatment and use off site.

Permitting: Approved by the local plumbing inspector based on the toilet's high performance in installations in Sweden.



Saving water with every flush in the city

EcoFlush toilet and graywater system with sewer diverter

Dr. Heather Kuiper chose to install the EcoFlush toilet in her Oakland home to radically conserve water used by her family of four.

Installation: EcoFlush toilet flushes to the municipal sewer or, with a mechanical diverter activated by a switch in the bathroom, to a dosing chamber that drains to a combined graywater and urine-flush water planted system.

Permitting: No permit is necessary because the house is tied to the municipal sewer. Oakland authorities do not object to the system.



Flushing ecologically in a Stockholm development

EcoFlush toilets at work in a Stockholm housing complex

To pilot and show the viability of advanced ultra-low flush toilets with optional urine diversion, the city of Stockholm and the city's water utility worked with a developer to install and monitor EcoFlush toilets in a multi-unit residential setting. The project, one of several, was deemed a success and is publicized worldwide.

Installation: An EcoFlush toilet installed in each of 14 units flushes blackwater to the municipal sewer and urine-flushwater mix to a tank, with the option of diverting this flow to the sewer, too.

Permitting: Permitted by city building permit agency and installed in cooperation with the city water and wastewater utility.