

## SUN-MAR Model Selection

### Self-contained Units

All Sun-Mar self-contained units come with everything needed for installation. Waterless, they require no plumbing. The only installation task is to assemble the 2" or 4" vent stack supplied with the unit - it's quick and easy. Capacity ratings vary with the size of the Bio-Drum, and these ratings can be doubled for short periods. Even so, it is always better to have a good safety margin, and if possible, we suggest you pick a unit with more capacity than you need.

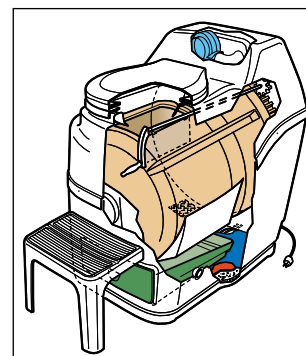


### Excel-NE

#### Our Best Seller

For years, this large-capacity, easy-to-maintain unit has been the right choice for those without power, or those who wish to conserve it. The "chimney effect" of the 4" vent pipe facilitates air-flow and eliminates the need for electricity. Handles a family of 5-7 for cottage use and 2-3 for residential use, with ample capacity for guests. An optional 12 volt fan increases capacity and evaporation for heavy residential use. 1.9 watts. Unit 57 lbs. Shipping, 95 lbs. Unit dimensions: 32"H x 22.5"W x 33"L.

#CT100 \$880



### Excel

#### High Capacity AC with fan and heating element.

Offers the same high-capacity Bio-Drum as the Excel-NE, but evaporating and composting capacity is increased by a thermostatically controlled heating element in the base, and a 110 volt fan in the unit. Easy to maintain; just plug it in, add peat moss and turn the drum as directed. Capacity is 6-8 people for vacation use, and 3-5 people for residential use. 150 watts. Unit, 60 lbs. Shipping 100 lbs. Unit dimensions: 32"H x 22.5"W x 33"L.

#CT101 \$1050

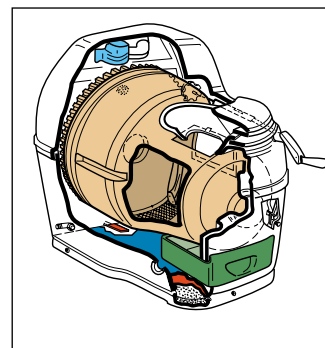


### Compact

#### Elegant low profile AC

Perfect for those with a small home or a private cottage. Engineered to incorporate the Sun-Mar patented Bio-Drum into an elegant rounded design whose looks will complement any bathroom. Capacity is 3-4 people for vacation use and 1-2 people for residential use. 130 watts. Unit, 50 lbs. Shipping, 90 lbs. Unit dimensions: 27.5"H x 22"W x 33"L.

#CT105 \$950



## Also available are Space Saver and Mobile Units

| Model                                  | Description  | Composting Capacity (#of people) |                         | Unit Pricing |
|--|--|----------------------------------|-------------------------|--------------|
|  |  | Weekend / Vacation               | Residential/ Continuous |              |
| #CT104<br>Excel AC/DC                  | Special dual vented Excel with 2" vent for when 115 volt power is available, and 4" vent (NE) when it's not. Great for those who operate generators over 12 hours a day, or for people who expect to have continuous 110 volt power in future. Variable capacity dependent upon electrical or nonelectrical operation. | 5-7                              | 2-4                     | \$810        |
| #CT1930<br>Space Saver                 | Medium capacity, ideal for limited space. 19" width, 28" height and 21" depth. 110 volt electric unit. 75 watts. Unit, 140 lbs. Shipping, 75lbs.   | 3-4                              | 1-2                     | \$980        |
| #CT1932<br>Ecolet Mobile               | Special mobile version of the space saver for recreational vehicles. 19" width, 28" height and 21" depth. Unit, 40lbs. Shipping, 75lbs. If and when power is available, unit has a 110 volt 120 watt heater. A second heater is available as an option. Includes 12 volt, 40 watt fan.                                 | 3-4                              | 1-2                     | \$999        |
| #CT1931<br>Ecolet Mobile (Hull Shaped) | Special mobile version of the space saver for boats. 19" width, 28" height and 21" depth. Unit, 40lbs. Shipping, 75lbs. If and when power is available, unit has a 110 volt, 120 watt heater. A second heater is available as an option. Includes 12 volt, 40 watt fan.  | 3-4                              | 1-2                     | \$999        |

## Model Overview

### Central Composting Toilet Systems: Regular and High Capacity Units

#### Sun-Mar Model Selection

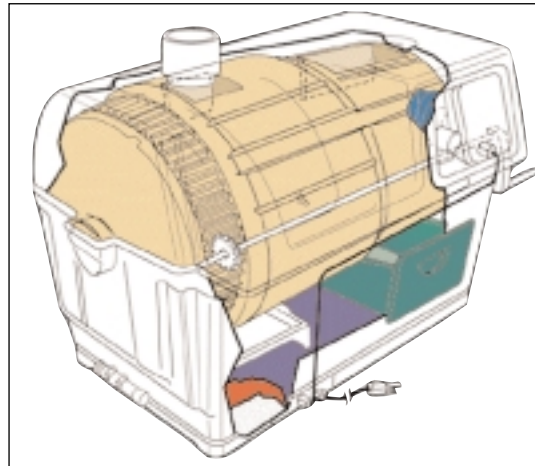
Central composting systems have an elegant 1 pint flush or dry toilet in the bathroom, with the composting unit installed under a building or at the side of a building. For units with 1 pint toilets, installation involves hooking up the water and mounting the toilet in the bathroom, connecting 3" plumbing pipe from the toilet to the composter, and erecting the 2" vent stack supplied with the unit (4" on non-electric

units). If a Dry Toilet is used, the toilet itself must be positioned directly over the composting unit. The Sun-Mar Dry Toilet and Sealand 1 Pint Flush toilets are purchased separately. 12 Volt fans (supplied) should be installed in the vent stack of all non-electric Dry toilet (A/F) units, with all AC/DC units, and with the non-electric version of the Centrex 3000. 12 Volt fans are optional with all other non-electric Central units.



### Centrex 2000 Series

Perfect for medium to heavy seasonal or light residential use, the 2000 series allows for both a longer composting cycle and larger waste volumes. The increased surface area in the evaporating chamber coupled with the larger heating element provides better evaporation on electric units. When used seasonally by up to 6-7 adults, compost will normally only need annual removal each spring. Unlike the 1000 series, the 2000 series have optional A/F (air flow) versions for use with a Sun-Mar Dry toilet, in addition to the regular units designed for use with a 1 pint flush toilet. All 2000 series units 27.5" H x 44.75" W x 26.5" L.



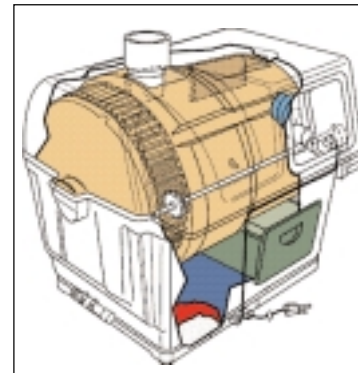
| Model   | Description   | Composting Capacity  |                            | Unit Pricing |
|---|---|----------------------|----------------------------|--------------|
|   |   | Weekend/<br>Vacation | Residential/<br>Continuous |              |
| #CT8739 Centrex 2000  | The regular version for those with 110 volt electricity. Unit 97 lbs, Shipping 118 lbs                          | 7-9                  | 4-6                        | \$1,200      |
| #CT8740 Centrex 2000 NE   | Non-electric version for those with no continuous 110 volt electricity. Unit 87 lbs, Shipping 108 lbs           | 6-8                  | 3-5                        | \$950        |
| #CT8741 Centrex 2000 AC/DC  | Dual vented version. Regular electric unit with 4" non-electric vent also added. Unit 97 lbs, Shipping 118 lbs  | 7-9 or 6-8           | 4-6 or 3-5                 | \$1,300      |
| <b>Units for use with Sun- Mar dry toilets (Purchased separately)</b> |   |                      |                            |              |
| #CT8742 Centrex 2000 A/F  | The regular version for those with 110 volt electricity. Unit 103 lbs, Shipping 124 lbs                         | 6-8                  | 4-6                        | \$1,250      |
| #CT8743 Centrex 2000 A/F NE   | Non-electric version for those with no continuous 110 volt electricity. Unit 93 lbs, Shipping 114 lbs           | 5-7                  | 3-5                        | \$1,000      |
| #CT8744 Centrex 2000 A/F AC/DC  | Dual vented version. Regular electric unit with 4" non-electric vent also added. Unit 108 lbs, Shipping 129 lbs | 7-9 or 6-8           | 4-6 or 3-5                 | \$1,350      |

# COMPOSTING TOILETS



## Centrex 1000 Series

The Centrex 1000 was recently re-engineered for better compost flow. In light to medium seasonal use, it typically holds compost for the full season and you only need to empty the tray once each spring. Centrex 1000 electrical units have a 250 watt heater in a sealed compartment under the unit and the standard Sun-Mar 30 Watt turbo fan. The included 2" vent stack ensures odorless operation. Non-electric units normally don't need a 12V fan for the 4" vent stack but the optional 1.9 watt fan increases capacity. A 12V, 1.9 watt fan comes with the AC/DC unit. All 1000 series units have a 1" drain hose which you connect to the 1" drain at the bottom left of the unit. The 1000 series is designed only for use with 1 pint flush toilets (purchased separately). All these models have the same dimensions: 27.5" H x 31.25" W x 26.25" L.

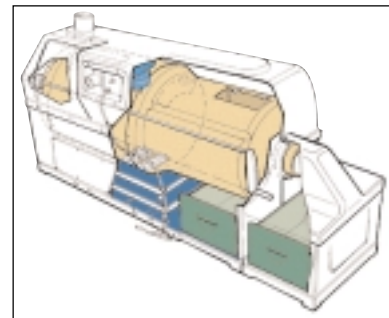


| Model                        | Description  | Composting Capacity  |                            | Unit Pricing |
|------------------------------|--|----------------------|----------------------------|--------------|
|                              |  | Weekend/<br>Vacation | Residential/<br>Continuous |              |
| #CT106<br>Centrex 1000       | Regular version for those with 110 volt electricity<br>Unit 50lbs, Shipping 95 lbs.                                | 5-7                  | N/A                        | \$1,050      |
| #CT108<br>Centrex 1000 NE    | Non-electric version for those with no continuous<br>110 volt electricity. Unit 45 lbs, Shipping 90 lbs.           | 4-6                  | N/A                        | \$850        |
| #CT110<br>Centrex 1000 AC/DC | Dual vented version. Regular electric unit with<br>4" non-electric vent also added. Unit 50 lbs, Shipping 100 lbs. | 5-7 or 4-6           | N/A                        | \$1,150      |



## Centrex 3000 Series

Designed especially for very heavy cottage, or medium residential use, the Centrex 3000 series (formerly Centrex Plus) has some 40% more composting capacity than the 2000 series. This allows a longer composting cycle, and enables this unit to handle larger waste volumes. The 3000 features a double composting drum. As the drum rotates, waste moves through primary and secondary sections before dropping automatically into the collection chamber at the end of the unit. When used seasonally by up to 8-10 adults, compost will normally only need to be removed annually at the beginning of the following season. The 3000 series is available in A/F (air-flow) versions for use with a Sun-Mar dry toilet, in addition to the regular units designed for use with a 1 pint toilet.



| Model   | Description  | Composting Capacity  |                            | Unit Pricing |
|---|--|----------------------|----------------------------|--------------|
|   |  | Weekend/<br>Vacation | Residential/<br>Continuous |              |
| #CT1874 Centrex 3000  | The regular version for those with<br>110 volt electricity. Unit 111 lbs, Shipping 217 lbs                             | 9-11                 | 6-8                        | \$1,600      |
| #CT1875 Centrex 3000 NE   | Non-electric version for those with no continuous<br>110 volt electricity. Unit 96 lbs, Shipping 202 lbs               | 6-8                  | 3-5                        | \$1,420      |
| #CT1879 Centrex 3000 AC/DC  | Dual vented version. Regular electric unit with<br>4" non-electric vent also added. Unit 116 lbs,<br>Shipping 222 lbs. | 7-9 or 6-8           | 4-6 or 3-5                 | \$1,699      |
| <b>Units for use with Sun- Mar dry toilets (Purchased separately)</b> |  |                      |                            |              |
| #CT1876 Centrex 3000 A/F  | The regular version for those with 110 volt<br>electricity. Unit 116 lbs, Shipping 222 lbs                             | 6-8                  | 4-6                        | \$1,650      |
| #CT1877 Centrex 3000 A/F NE   | Non-electric version for those with no continuous<br>110 volt electricity. Unit 101 lbs, Shipping 207 lbs              | 5-7                  | 3-5                        | \$1,449      |
| #CT2979 Centrex 3000 A/F AC/DC  | Dual vented version. Regular electric unit with<br>4" non-electric vent also added. Unit 121 lbs,<br>Shipping 227 lbs. | 7-9 or 6-8           | 4-6 or 3-5                 | \$1,749      |

## Biolet Basic

This model has the standard Biolet features but a handle for manual rather than automatic and mixing. Capacity: four people part-time or three for full-time, residential use. Optional 12V fan and composting bins available to increase capacity. 26" H x 22"W x 30" D

#CT5349 \$949



## Biolet Standard

The original BioLet with a handle to after each use. Includes a heating element, fan and thermostat. Capacity: four people part-time vacation use, three for full-time residential use. Height - 26" (66cm), Width - 22" (55cm), Depth - 29" (74cm). 110V, 250W Adjustable thermostatically controlled heating element 225W and fan motor 25W. 3 year warranty

#CT806 \$1,390



## Biolet UFA

*A new two-piece Biolet composting toilet*

An attractive, standard size toilet with a high capacity, fully automatic composter in the basement. Includes a built in chute for composting organic kitchen waste. Rated for 5-7 people in a residential application, 5-8 with part-time use. The fully insulated composter utilizes a powerful heater for use in unfinished crawl spaces. No stirring or mixing - simply empty the finished compost tray every few months.

#CT8009 \$2,250

## Biolet NE

*Lowest cost non-electric*

The best low cost system for cabins and week-end use. Two separate composting chambers - when the first one fills, it slides to the back for further composting and the second comes to the front. When the second fills, compost in the first will be ready to trench into the soil. The capacity of four people part-time vacation use and three people full-time can be increased with the use of one or more optional composting chambers. Seat height 19.5", 26" H (66cm), 22" W (55cm), 30" D (76cm).



|                         |         |       |
|-------------------------|---------|-------|
| <b>Toilet</b>           | #CT804  | \$949 |
| <b>Extra containers</b> | #CT801  | \$46  |
| <b>12V fan</b>          | #CT7690 | \$49  |

## Biolet Deluxe

Automatic mixing, high capacity, normal seat height The fully automatic BioLet Deluxe has pleasing, compact design and a seat height of only 19 1/2". An electric motor rotates two mixing blades inside the composting chamber to assure proper mixing of the compost. This vital function of the composting process activates automatically after each use - no drum to turn, no rake bars to pull, as in other composting toilets. A cover hides the compost from view and opens automatically

when sitting. Completely sealed ABS casing, mixing arms and other important metal components stainless steel. Recommended capacity: five persons for part-time vacation use, three persons for full-time residential use. 26"H x 22" W x 29" L, 120 vac, 290W (Heater 225W, mixer motor 40W and fan motor 25W) Three year limited warranty. Sweden.

#CT805 \$1,425

## Biolet

40% more capacity, NSF approval, automatic mixing Equipped with the same automatic features as the BioLet Deluxe, the XL adds an extra heating element and more capacity. Tested and approved by the National Sanitation Foundation, its design was voted the most user-friendly of all high capacity composting toilets. It needs no water or chemicals and there is no waste water discharge from the unit, necessitating a connection to a sewer or septic tank. Capacity: four people residential, six people cottage (60 days/year). 19.5" seat height, 26"H x 32"L x 26"W, 375 watts 120 vac, 370W (Adjustable thermostatically controlled heating element 305W, mixer motor 40W and fan motor 25W). Three year limited warranty.

#CT807 \$1,495



## The Carousel Composting Toilet System

The Carousel system uses standard piping. Contact your plumber for venting requirements or purchase at your local home center. Note: toilet stool is not included with system.

### Small Carousel

20.87" high, 52" wide. Shipped from Norway. Capacity with heater: 2 people for year-round use. Seasonal usage: 12.

|                              |         |         |
|------------------------------|---------|---------|
| <b>Small Carousel</b>        | #CT1657 | \$1,255 |
| <b>with fan</b>              | #CT3670 | \$1,695 |
| <b>with fan &amp; heater</b> | #CT1658 | \$1,976 |

### Medium Carousel

24.8" high, 52" wide. Made in the USA! Capacity with heater: 3 people for year-round use. Seasonal usage: 15.

|                              |         |         |
|------------------------------|---------|---------|
| <b>Medium Carousel</b>       | #CT3476 | \$2,056 |
| <b>with fan</b>              | #CT3671 | \$2,325 |
| <b>with fan &amp; heater</b> | #CT3672 | \$4,344 |

### Large Carousel

51.2" high, 52" wide. Made in the USA! Capacity with heater: 5+ people for year-round use (and up to 100 people a day with solar enhancer). Seasonal usage: 32 people.

|                              |         |         |
|------------------------------|---------|---------|
| <b>Large Carousel</b>        | #CT1936 | \$3,875 |
| <b>with fan</b>              | #CT3673 | \$4,144 |
| <b>with fan &amp; heater</b> | #CT1935 | \$4,425 |

### Uniseal for 4" Sched 40 PVC #CT6163

connecting exhaust/vent pipe to the top of the Carousel composter

### Uniseal for 6" Sched 40 PVC

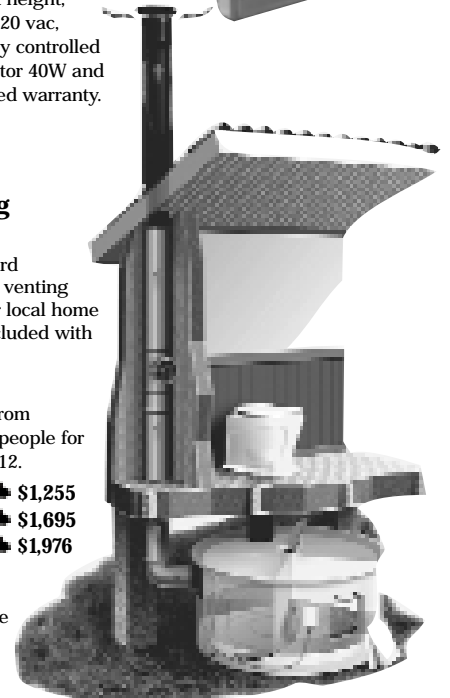
#CT6164 \$20

connecting vent/exhaust pipe or a connecting pipe from a commode to the top of the Carousel composter.

Uniseal 1.5" Leachate Drain Fitting for Sched 40 PVC. #CT6165 \$5

BioNova Non Electric Composting Toilet #CT5496 \$885

Call for pricing on larger orders.



# COMPOSTING TOILETS

## Septic Digester

### Stop sludge build-up

Use for greywater and septic systems, grease traps, drain lines, cesspools or in commercial agro and dairy applications. Solves major problems for any facility with a septic tank including homes and offices. Both aerobic and anaerobic microbes selected for their ability to digest a wide range of complex organisms form a biofilm on the inner walls of drain lines and grease traps reducing the BOD and COD of the wastewater. The bacteria enhances natural forming enzymes that digest grease, oil, fat, and detergents, and other organic material getting rid of the "bad stuff". For less than 50 cents per week, you can keep your waste systems trouble free. Safe for humans, pets, plants and pipes.

2 lbs #CT7583 \$16  
25 lbs #CT6876 \$200

## Sealand Ceramic One Pint Flush Toilet

### The Ultimate Water Saver



High Profile Small Bowl



Low Profile Small Bowl



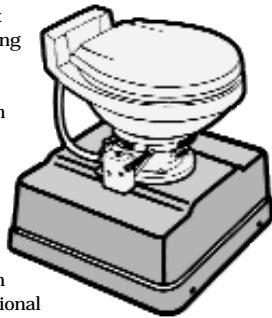
High Profile Large Bowl

Perfect for Sun-Mar Centrex and smaller Clivus composting systems. Also great for overloaded septic systems, holding tanks, to upgrade an RV, and to minimize water usage in other situations.

You only need a water supply with 2 GPM—works fine with gravity fed water from a roof tank. Same water surface area, rim wash and full-size seat as conventional toilet but only uses 1 to 2 pints per flush.

Tough vitreous china bowl won't stain, scratch or fade. Easy to clean, simple installation, fits in the same small areas as the uncomfortable plastic toilets. Foot pedal flush controls the amount of water used. Not intended for conventional sewer systems. 1/2" MPT water connection. 2-year warranty, freight collect.

Sealand 910, 15", small bowl #WS234 \$169  
Sealand 911, 10", small bowl #WS235 \$184  
Sealand 510, 15", large bowl #WS236 \$225



## Urine Diverting Toilets

Solve a key element in waste management. Urine is biologically sterile and a great source nitrogen vital to a healthy greywater system. This toilet separates urine and uses just 3 oz. of water to flush. Build your own composting chamber for solids that will break down into sanitary humus for use as a top-soil enhancer.

Without water this process goes fast. Top Quality porcelain ensures hygiene and great looks.

Single flush #CT7420 \$572  
Double flush #CT7421 \$673



*"The idea of waste, of something unusable, reveals an incomplete understanding of how things work. Nature admits no waste. Nothing is left over; everything is joined in the spiral of life. Perhaps other cultures know this better than we, for they have no concept of, no word for, waste."*

- Sim Van der Ryn, *The Toilet Papers*

## Toto Low Flush Toilet

An ANSI test of 31 low flush toilets gave Toto the highest scores for best performance—higher than much more expensive models. Looks and works like a quality standard toilet but only uses 1.6 gallons per flush. Vitreous china, smooth, sanitary interior and exterior surfaces, accepts standard toilet seats (not included). Easy to install—simple two piece design, standard ballcock, flush valve, and 12" rough-in. "100% Rim Bowl Washing" keeps the Toto clean longer and makes it easier to clean. A Toto will save the average 4-person family over \$74/year. 1 year warranty, freight collect. 1.6 gallon round. Truck shipping only. 60lbs.



White, Round #WS210 \$119  
White, Elongated #WS5664 \$174  
Bone, Round #WS211 \$135  
Bone, Elongated #WS5665 \$160



## "Air Flush" Waterless Toilet

*Don't use any water at all!*

For Clivus Multrum or Sun-Mar systems. White, fiberglass stool, polyethylene liner, open front seat and cover, stainless steel collar. Seat 14" above floor. Add \$40 per 2' of chute.

#CT360 \$249

## Storburn Incinerator Toilets

### Pollution-free!

A toilet that works like a self-cleaning oven. Safe, sanitary, self-contained. No electricity, water, holding tanks, or plumbing needed. No moving parts to freeze up. Great for places where you can't have a flush toilet. Use at the cottage, cabin, remote area, or work site. Handles up to 8 people full-time and burns waste to a harmless, sterile mineral ash and water vapor. Up to 60 visits in succession before incineration necessary. Just add a packet of anti-foam and light with piezo ignition (uses 7 lbs. of propane per burn). Guarantee odorless—indoors or out. Pollution-free. 17.75" W x 31.25" D x 53.5" H.

Storburn Propane #CT601 \$2,650  
Storburn Natural Gas #CT602 \$2,680  
1-Story Vent Kit, 115" #CT603 \$290  
Mobile Building Vent, 82" #CT604 \$240  
Anti-Foam 24-pack #CT605 \$26.50



## Incinolet CF-1

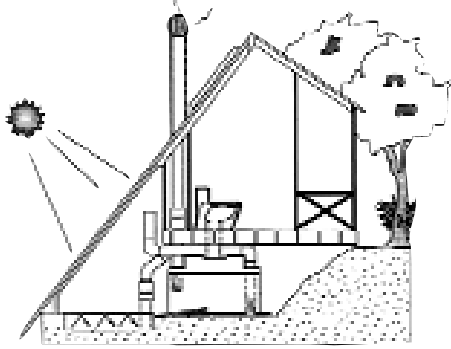
Use electric heat to incinerate human waste. Incinolet reduces waste to a tablespoon of clean ash. Cool to the touch even when operating. Incinerates at the touch of a button. Installs simply—simple vent line and power hookup complete the installation. 120V/1000W. Vent Kits available for direct vent (\$14.95) and vertical (\$29.95). One year warranty Models for home, watercraft, and RV. Draws 15 amps @ 120 vac.

CF-1 (1 person) #CT4567 \$2,300  
Heavy Duty (8 People) #CT4570 \$2,600  
Direct Vent Kit #CT4841 \$30

## Incinolet CF120 - 110vac

CF120 (1 person) #CT6136 \$2,200





## Large Systems

High capacity composters for parks, villages, campgrounds and industrial sites. We engineer larger systems based on climate, amount of usage, terrain, accessibility, and other factors. We provide different components in different parts of the world—let us know as many details as possible and we'll make recommendations.

## Clivus Multrum 1 Composter

The same state-of-the-art features used for years on large systems now available for single family residences. The original composting toilet company (since 1939) brings its time-tested technology to this new, smaller system. The Multrum 1 fully treats both solids and liquids. It produces two types of high quality fertilizer and you won't notice any odors in the process. Use Multrum 1 for 4-5 people in continuous residential use or for 6-8 people with intermittent vacation use. Clivus first received NSF approval in 1982. Produces 2-3 gallons of compost per person per year. Virtually foolproof with lower maintenance, a larger multrum for longer times before emptying, and nothing mechanical to break down. Use with SeaLand or "Air Flush" toilets. Made from 100% recycled and recyclable plastic. 56" H x 33" W x 65" L.



#CT305      \$2,500

## Garden Composter

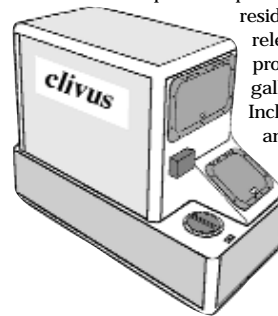
A strong, sturdy and attractive composter that works great and "walks its talk"—made from 100% recycled plastic. Quick-access, animal-resistant snap-swing lid with a large door for easy waste disposal and a sliding bottom door for fast, efficient compost removal. Patented venting system speeds composting action. Optional rodent screen keeps burrowing animals out. Includes a complete composting guide. Assembly required but you won't need any tools, it just snaps together. 11 cu. ft. volume, 36" H x 23" W x 23" D. 27 lbs.



**Garden Composter**                      #EP7673      \$52  
**Garden Composter w/ rodent screen**      #EP7674      \$55

## Clivus Multrum 2 Composter

Twice the capacity at a fraction of the price. Odorless, cost effective, pollution-preventing sanitation for up to 3 bedroom residences. Reduces bio-mass input by 95%, releases carbon dioxide and water vapor, produces valuable fertilizers. Makes 2-3 gallons of compost per person per year. Includes a solid waste composting chamber and liquid fertilizer storage cradle. Built-in moistening system ensures optimal composting conditions. Made from 100% recycled polyethylene. 66" H x 33" W x 65" L.

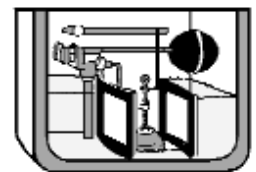


#CT306      \$3,000

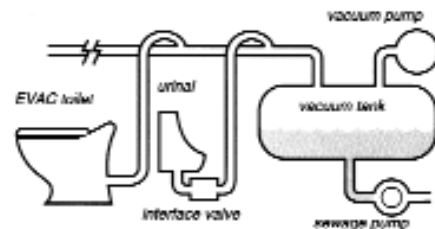
## Toilet Tank Water Saver

Can save 12,000 gals/year

Stainless steel and thermo-plastic panels save up to 35% of toilet water use (2-3 gallons each time). Can reduce total household water use by 15%. Adjustable for different types of toilets and fits all tank styles. No tools needed for installation—just push down into place. Much better than bricks or rocks. (The minerals can dissolve and cause havoc with your plumbing.) Doesn't work well with low pressure toilets.



#WS201      \$10



## EVAC Vacuum Toilet System

Only 0.375 gallons per flush—reduces water and sewage use up to 90%

Ideal for composting toilet systems and difficult installations: 20 foot vertical lift capability with small 1 1/2" waste pipe. Run pipe in ceilings, around or over obstructions. Eliminates cost and installation of vent pipe. Separates black from grey water and controls the time and volume of sewage discharge. A single vacuum station services several toilets. Prices vary depending on configuration. Please call or write with your requirements.

## Spinning Composter

Compost up to 85 lbs. of rich fertile soil in as little as 30 days

Effortless composting—with an easy push, just spin this 100% recycled plastic cylinder to mix in vital oxygen and speed decomposition. Instead of adding to a landfill, your food scraps and yard wastes become a rich and useful resource. The removable, wheeled base collects water dripping off the compost pile and you can water plants and gardens with this nutritious by-product. 31" H x 26" L x 21" W. 7 cu. ft. volume. 14 lbs. USA.

#EP7676      \$108

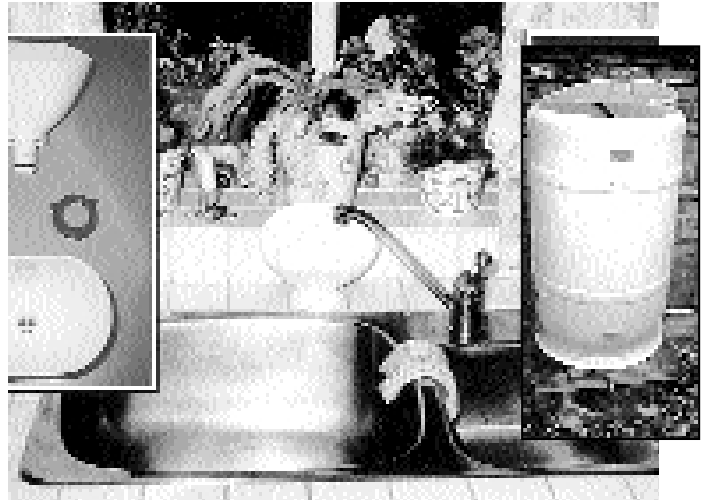


# GREYWATER SYSTEMS

## Greywater Systems

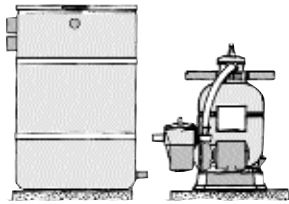
Let's stop wasting our waste!



When we mix greywater (water from sinks, washing machines, showers) with blackwater (water from toilets), we take a small amount of pollutants and make a large amount. (Every 3 gallons become about 10.) By diluting the higher concentration of bacteria in blackwater we also greatly slow down the natural decomposition process. And while many water treatment plants are already running at capacity and many underground aquifers are in danger of depletion, an average family of 4 wastes 41,000 gallons of greywater a year that they could use for irrigation. It's crazy. And it's time to stop wasting all the waste and start using greywater systems on a large scale.



### Earthstar Greywater Systems

Automatic operation, sand filter with backwash cleaning. Simple, high quality, and easy maintenance. When greywater reaches a high level in the 55 gallon tank, a float switch starts a centrifugal pump that begins an irrigation cycle. A simple 5-minute backwash cleaning process every 2 months keeps everything in top shape. And you don't even have to get your hands wet. Comes complete with everything you need to install. Color-coded components make assembly easy in less than an hour. 12 gallon tank good for tight spaces.

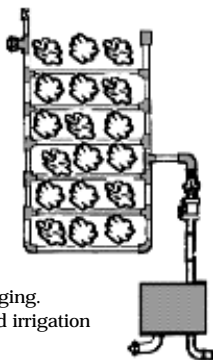


With 55 gallon tank #CT125 \$1,065   
 With 12 gallon tank #CT126 \$1,065 

### Sub-Surface Irrigation Packages

Use your greywater to irrigate landscapes

Practical when you have at least 300-400 gallons of greywater per day. In many places, sub-surface irrigation is necessary to meet code requirements. It maintains a moist layer at the root zones while maintaining a good balance of air for the best plant growth and strength. Extremely efficient watering method—no evaporation, runoff, overspray, or wet sidewalks. Special emitters prevent root growth into the tubing for 20 years. Internal filter rings prevent soil and sediment clogging. Matches up with and improves previously installed irrigation systems.



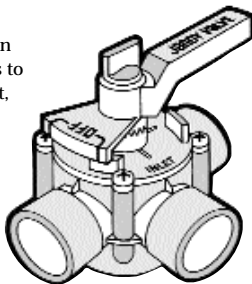
2 Bedroom House Size, 750' #CT130 \$425  
 3 Bedroom House Size, 937' #CT131 \$518  
 Bedroom House Size, 1125' #CT132 \$584  
 Bedroom House Size, 1312' #CT133 \$642

\*Estimates—Systems are customized to site

### 3-Way Valves

Use these three-way valves to make your own greywater system. Used in almost all systems to divert water with contaminants (bleach, paint, dye) to a septic or other processor. Guaranteed never to leak or break; never needs lubrication. Each valve fits two pipe sizes, one on the outside, one on the inside. Rated to 200 psi.

1.5 or 2" #CT121 \$40  
 2 or 2.5" #CT122 \$39

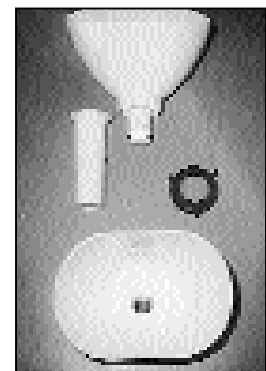


### Envirosink®

Greywater Recycling System

Makes saving greywater simple. Installs at your kitchen sink. Basin made from durable ABS plastic. Plumbing to divert the water to a storage tank available locally at a cost of under \$50. Water can irrigate gardens or (with an auxiliary pump) flush your toilet. Only system that allows some catchment of water from kitchen (kitchen sinks are designated as "black water").

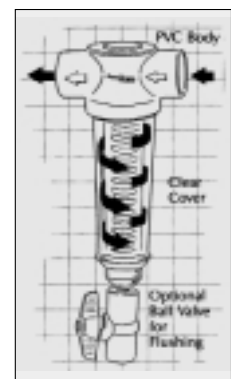
#CT4882 \$42



### Spin-Down Sediment Trap Filters

No more expensive cartridges to replace! Just open the ball valve and let the spin action clean your filter out. The clear housing lets you see when there's a build-up and you need to clean the reusable, inner 100 mesh filter. 2" version great for greywater systems - use the standard version first and then the 500 mesh (30 micron) for drip irrigation. Smaller sizes great for waterpumping systems. 100 mesh (152 micron).

3/4" #WC7144 \$68  
 1" #WC7145 \$70  
 1.5" #WC7146 \$84  
 2" #WC7147 \$112  
 2" 500 mesh #WC7148 \$118



### Double Ells

The key component to the "split drain to mulch basins or mini-leachfields" system (See the "Builder's Greywater Guide"). This ultra-simple, robust system offers automated, subsurface greywater disposal without filtration, pumping, a surge tank, or hardly any maintenance.

It is one of the few systems which is both practical and legal. The area to be irrigated has to be downhill from the house, and laying out the lines must be done with fanatical attention to proper slope. Each system needs at most one 2" double ell, and the other parts you can buy locally.



1.5" Double Ell with Cleanout #WS6429 \$15  
 2" Double Ell with Cleanout #WS6430 \$20

## Bilge Pumps

*Automatically empty a greywater tank*



Built-in float switch activates pump when water fills greywater tank. Computer controlled timing checks for water without on/off cycling. When it detects water, pumps until tank is empty and shuts off. Power use in "monitor" mode is less than .25 amps per day. 500 GPH model has 3/4" port and draws .9 amp. 1100 GPH size has 1" port and 3.3 amp draw. Quiet, long-life, cleanable strainer base. Needs filtered water.

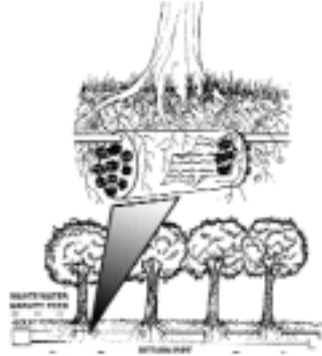
|                      |                |             |
|----------------------|----------------|-------------|
| <b>500 GPH, 12V</b>  | <b>#CT138</b>  | <b>\$76</b> |
| <b>500 GPH, 24V</b>  | <b>#WP4647</b> | <b>\$28</b> |
| <b>1100 GPH, 12V</b> | <b>#CT139</b>  | <b>\$95</b> |

## Septic Digester

*Stop sludge build-up*

Use for greywater and septic systems, grease traps, drain lines, cesspools or in commercial agro and dairy applications. Solves major problems for any facility with a septic tank including homes and offices. Both aerobic and anaerobic microbes selected for their ability to digest a wide range of complex organisms form a biofilm on the inner walls of drain lines and grease traps reducing the BOD and COD of the wastewater. The bacteria enhances natural forming enzymes that digest grease, oil, fat, and detergents, and other organic material getting rid of the "bad stuff". For less than 50 cents per week, you can keep your waste systems trouble free. Safe for humans, pets, plants and pipes.

|               |                |              |
|---------------|----------------|--------------|
| <b>2 lbs</b>  | <b>#CT7583</b> | <b>\$16</b>  |
| <b>25 lbs</b> | <b>#CT6876</b> | <b>\$200</b> |



## EcoChamber Greywater Emitters

*Stop wasting your waste water*

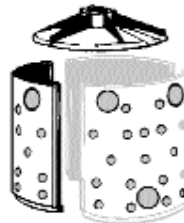
Only 33" long by 12" diameter, but buried near a growing tree becomes a super drip irrigation greywater emitter providing up to 50 gallons of water per day. Stores up to 13 gallons when you have more greywater than your trees need. Patented design won't clog from organic material or roots. Decorated redwood bark creates millions of water passageways and enhances bacterial breakdown of organic solids. Low maintenance, easy installation. Proven reliability for over 15 years.

**#CT3199 \$160**

## Dry Well/Sand Filter

Collect and store excess greywater, composting toilet overflow, storm water. Multi-purpose system made from recycled plastic. Stops soil erosion, puddles and contaminated water reaching rivers and lakes. Three interlocking panels with leaching knock-outs. Also great for outside shower drain, sump pump chamber, roof drainage, and floor drains. 24" diameter, 28" high, 49 gallons, up to 16 GPM leaching. Stack or interconnect.

**#CT1636 \$160**



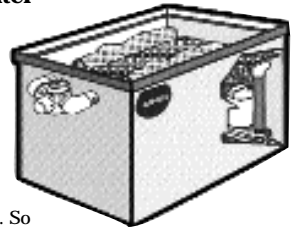
## 1" Flexible PVC

Use this special tubing and make a simple drumless laundry greywater system. Won't kink so you don't have to worry about burning out your washing machine pump. Just move the hose to a new place after each laundry load. The washing machine provides pressure that gets water to your garden or trees. Don't forget to use Oasis laundry soap! (Also great for hooking up hydro-electric systems without extra friction loss.)

**50' #CT136 \$60**

## Greywater Filter

Use old water and save costly leach fields. Filters the wastewater from sinks, showers, washing machines, and all non-toilet sources. So effective a small flower bed can handle the treated greywater. So clean you can use it in a garden. Minimal maintenance, dual alternating filters. 45 gallon polyethylene tank, nylon filters, and optional automatic discharge pumps. 24" L x 18" W x 24" H.

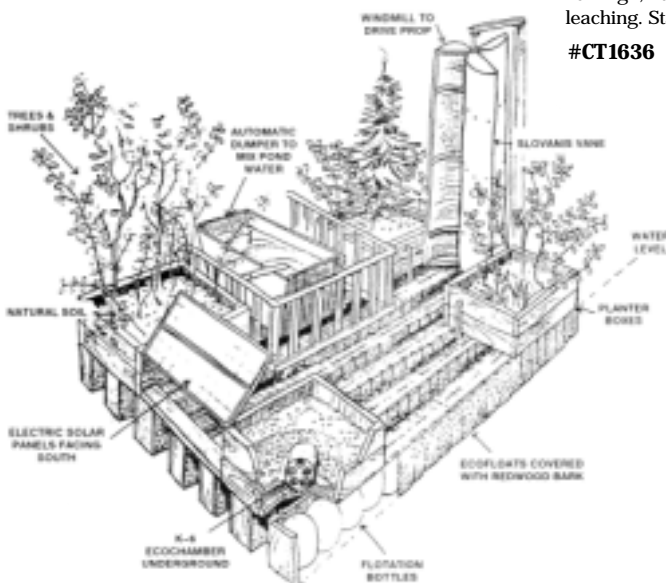


|                            |               |              |
|----------------------------|---------------|--------------|
| <b>Basic System</b>        | <b>#CT384</b> | <b>\$375</b> |
| <b>AC Pump</b>             | <b>#CT385</b> | <b>\$165</b> |
| <b>DC Pump</b>             | <b>#CT386</b> | <b>\$98</b>  |
| <b>Replacement Filters</b> | <b>#CT387</b> | <b>\$8</b>   |

## Greywater Tank

Most Greywater systems need a tank to temporarily hold water that surges out too fast for the drain hose. Also allows hot water to cool before reaching plants. More expensive than a 55 gallon drum but easier to fit in small spaces. Also approved for potable water storage. 55 gallon 41" L x 27" W x 14" H, 110 gallon same but 29" H. 8" lid opening, 2" vents, specify 3/4", 1 1/4", or 2" drain ports.

|                   |               |              |
|-------------------|---------------|--------------|
| <b>55 Gallon</b>  | <b>#CT155</b> | <b>\$254</b> |
| <b>110 Gallon</b> | <b>#CT156</b> | <b>\$288</b> |



## EcoRaft

*A floating wildlife wetland*

Keep your pond clean and healthy with a wind- and solar-powered EcoRaft, a natural wetland filtering system. Microorganisms on decorticated redwood bark fibers attract larger insects and snails that decontaminate the pond, while trees and shrubs planted on the EcoRaft use up inorganic nutrients in the water. A wind-driven vane and a solar-powered pump stir up the water to speed biological activity, which in turn cleans the water. Each standard 12' x 12' EcoRaft equals about 300 feet of lake shoreline. Requires a minimum pond depth of three feet. Shipped in components, customized to site, price based on configuration and requirements.

**#CT7580 Customized to site**