

 **ECOJOHN**®

SR Series

a waterless incinerating toilet



GLOBAL INVENTIVE INDUSTRIES
17150 Newhope Suite 707 • Fountain Valley • CA 92708
Phone: 1.866.ECOJOHN • 714.568.1077 • Fax: 714.568.1068
www.ECOJOHN.com • info@ECOJOHN.com

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Introduction

The SR models are self-contained waterless toilets that use an ingenious incineration process to reduce waste into sterile ash. These “green” toilets are extremely efficient and they are very easy to operate and maintain. Since they require absolutely no water, these toilets help to save 1000's of gallons of our earth's precious water every year.

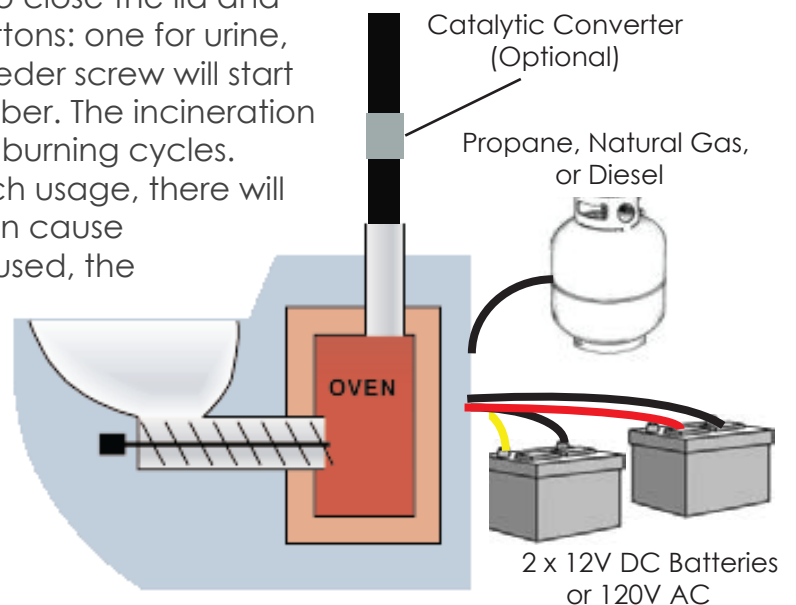
The SR toilets are perfect for areas where plumbing connections or sewage systems are not available. The aesthetically pleasing design along with outstanding efficiency, have made them a very popular solution/ alternative to today's expensive septic tanks.

The SR Series consist of two sizes: SR5 and SR12. In addition to different physical sizes, they also differ in colors, capacity, and what type of fuel they use. The SR5 models use propane and are our smallest models (capacity wise) that are ideal where the usage is small. SR12 models are built to handle a higher capacity environment and are available in propane, natural gas, and diesel.

How the toilet works

The requirements for the SR to operate are a power source and propane, natural gas, or diesel. They conveniently attach to 120V AC power, or 12V DC which can be recharged by solar energy.

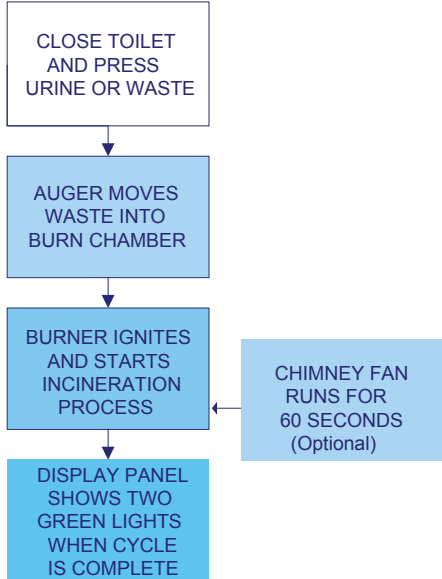
To operate the toilet after use, one simply has to close the lid and press the “flush buttons”. There are two flush buttons: one for urine, and one for waste. By pressing the button, a feeder screw will start to move any waste present into the burn chamber. The incineration process starts up automatically and begins the burning cycles. Since these models burn all the waste after each usage, there will never be any waste left inside the toilet that can cause unpleasant odor. Depending on the SR model used, the process can take a few minutes for a quick urine cycle, or up to 30 minutes for a waste cycle. One of the great features of these units is that even though a burn cycle is in progress, one can still use the toilet. It will simply shut off the burning process when the toilet lid is lifted up. Once the lid has been closed again, it will resume the burn process and finish the burn cycle.



SR Models

MODELS	FUEL	POWER	CAPACITY
SR5	Propane	12V DC/120V AC/220V AC	4-5 people
SR12	Propane	120/220V AC	8-10 people
	Natural Gas	120/220V AC	8-10 people
	Diesel	12V DC/120/220V AC	8-10 people

Operation



The SR12 is made to handle higher capacity and a tougher environment than the SR5. Its steel enclosure is available in white, grey metallic, or black.

Display Panel



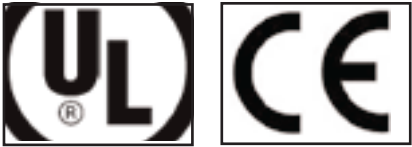
A control board monitors the amount of usages and its burn process. Indication lights come onto a display panel if there is an error or if the process has finished its burn cycles. The panel also has the two flush buttons that one has to push in order to start the burn cycle.

Cost of Usage

The cost of running this unit is considerably low. Electricity usage is minimal since it only uses electricity to start the incineration process and run the auger. Fuel cost is also low.

Safety

The SR is a safe and convenient appliance when assembled and used properly. In order to provide a high quality toilet, we have chosen high quality materials that are made to withstand high usage and a severe environment. Throughout the production, it goes through several meticulous testing procedures, which has been approved by Underwriters Laboratory (UL) and CE. Also, the toilet is equipped with multiple safety devices that recognize if any minor problems occur and shut off the unit.



UL and CE approved.

Maintenance / Cleaning

For regular usage, the SR only has to be emptied periodically (depending on usage). The chamber is easily accessible through a lid from the outside of the toilet, and it makes the ash removal process extremely easy. To ensure a clean bowl and auger, the toilet is equipped with a small reservoir of water, which can be used to clean the bowl. One only needs to press a rinse button to rinse the bowl. As an option, it is also possible to add a liner in the bowl before usage; the liner gets moved into the burn chamber along with other waste material. Once inside the chamber, the incineration process quickly eliminates the paper liner along with the waste.

Installation

The installation process is easy and can be done in a few simple steps. It is important that the unit gets installed in a weatherproof building so it doesn't get exposed to snow or rain. The standard toilet includes an 8 ft chimney system (6" double wall pipe) that needs to be installed before it can be used. It can go vertically or horizontally out through the roof/wall. When the chimney system has been installed, the next step is to connect the power supply and fuel (Propane, Natural Gas, or Diesel).

- Catalytic converter - a catalytic converter may be installed in the chimney pipe; the catalytic converter cleans the outgoing air and ensures that there are no harmful agents going out.
- Chimney fan - an extra fan may be installed in areas where extra draft is needed.

Included in Chimney System

- 8 ft Chimney Pipe
- Flashing
- Storm Collar
- Roof Support
- Firestop
- Chimney Cap



Options



Catalytic converter



Solar System

TECHNICAL DATA	SR5	SR12
Heat Flow	5kW	12kW
Hourly Btu Input	18,000 btu/hr	50,000 btu/hr
Fuel	Propane	Propane, Natural Gas, Diesel
Operating Voltage	12V DC, 120V AC, 220V AC	
Temperature	Storage: -40 to 120° F Operation: -35 to 120° F	
DIMENSIONS		
Height	25"	32"
Width	23"	25"
Depth	34"	39"
Sitting Depth	19"	20"
Weight	132 lbs	230 lbs
Capacity	4-5 People	8-10 People
Electrical Consumption	Urine Cycle: 0.215 AmpH Waste Cycle: 0.312 AmpH	
Propane Consumption	Urine Cycle: 0.14 lbs Waste Cycle: 0.35 lbs	
Natural Gas Consumption	Urine Cycle: 0.04 therm Waste Cycle: 0.1 therm	
Diesel Consumption	Urine Cycle: 0.03 gal Waste Cycle: 0.08 gal	

Applications

Cabins and guest houses / Military and disaster situations / Construction and work sites / Remote applications / Camp sites / Recreational Vehicles

