

ECOJOHNTM Sr

ECOJOHNTM Sr is a waterless incinerating toilet that is ideal in any remote application where a traditional toilet can't be installed. It incinerates waste disposal with environmental and economical benefits.



Remote Applications



Construction Sites



Cabins



Emergency Areas

INTRODUCTION

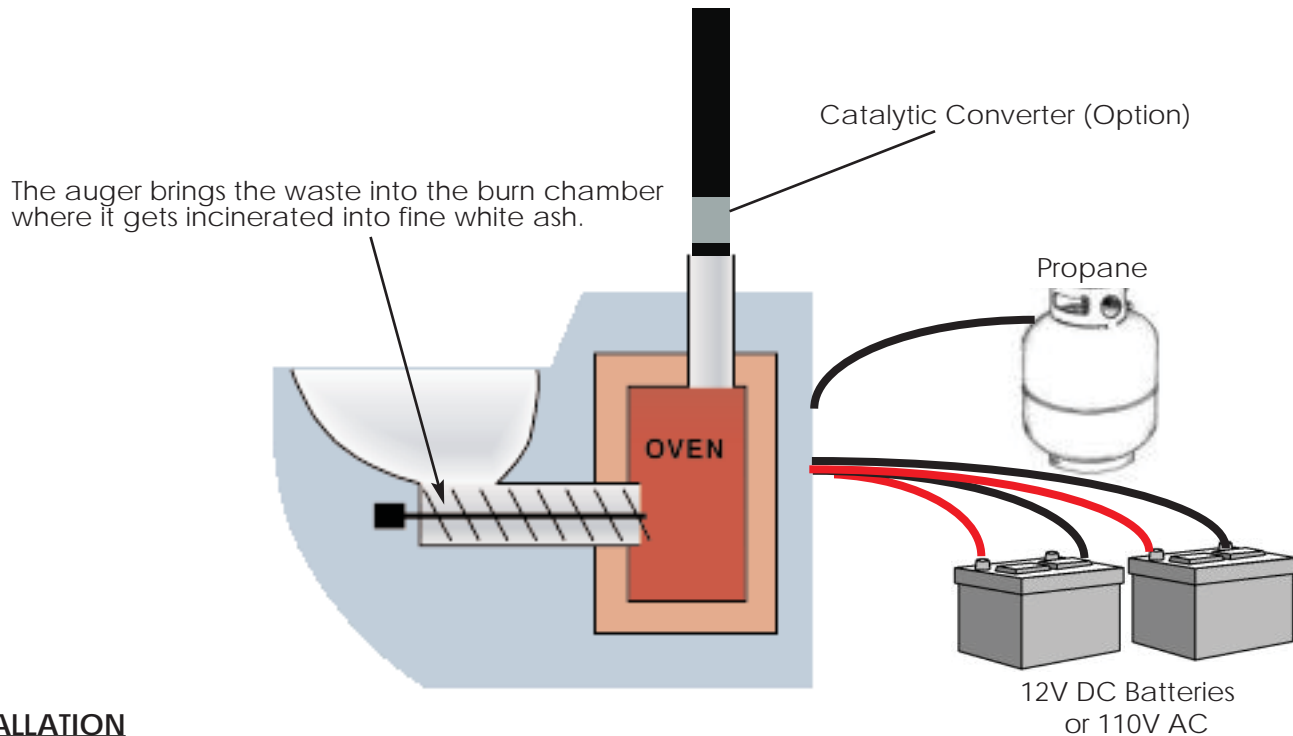
ECOJOHNTM Sr is a revolutionary self-contained and waterless toilet that uses an incineration process to reduce waste into sterile ash. The Sr model is extremely efficient and only leaves a very minimal amount of ash that only needs to be emptied a few times per year. It requires minimal effort to install, very little maintenance, and features an aesthetically pleasing design. Due to its smart design, it can be used virtually anywhere. It is perfect for areas where electricity and plumbing are unavailable (e.g. construction sites, cabins, camp grounds, fishing and hunting areas, etc.) This toilet is also great for the environment because it uses no water and is pollution-free. ECOJOHNTM Sr can make unpleasant and unsanitary portable toilets a thing of the past.

HOW THE TOILET WORKS

The only requirements for the Sr to operate are a power source and a Propane gas tank. It conveniently attaches to 110V AC power or two 12V DC batteries as its power source, which can be recharged by solar cell. To operate the toilet after use, simply close the lid and press the correct "flush button". A display panel is equipped with two flush buttons: one for urine, and one for waste. By a press of the button, a feeder screw will start to move any waste forward into the burn chamber, which is located in the back on the toilet. At this point the incineration process starts up automatically and begin its burning cycles. Since it burns all the waste after each usage, there will never be any waste left inside the toilet that cause bad odor. The process takes approximately 5-10 minutes for a quick cycle (urine), and about 25-30 minutes for a long cycle (waste). One of the great features of this model is that even though a burn cycle is in progress, anyone can still use the toilet. It will simply shut down the burning process every time the toilet lid gets lifted up. Once it has been closed again, it will resume its burn process and finish the burn cycle. A display panel will signal when the process is complete or if something is wrong i.e. Propane is out.



COMPONENTS



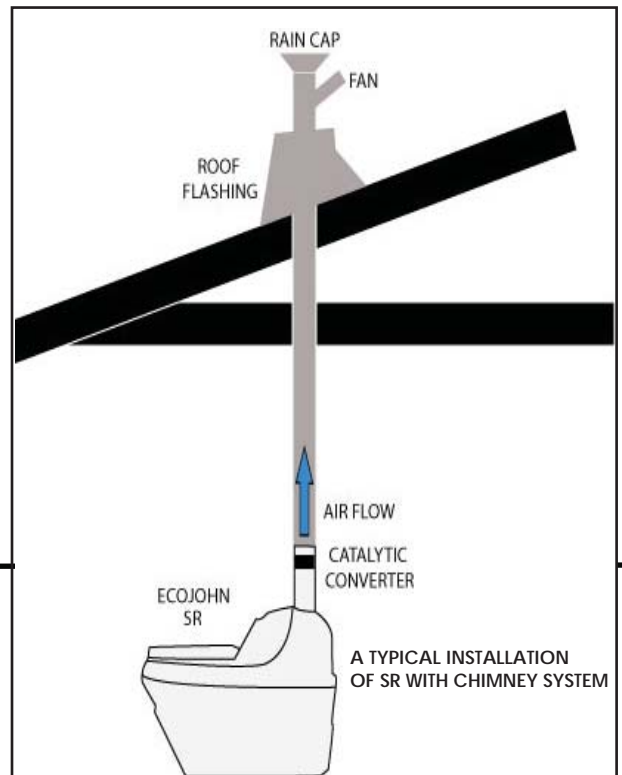
INSTALLATION

The Sr is extremely easy to install. After the chimney system has been installed, one only has to connect the power supply (12V DC or 110V AC) and Propane. The unit needs to be sited inside a weather proof building/structure. It needs a minimum of 5 inches clearance from the wall. Furthermore, it should not be operated in any area where there is a risk of an accumulation of flammable vapours or dust. The standard packade includes an 8 ft long chimney system. It can go vertically straight up, or horizontally out through the wall and then vertically up along the wall outside.

- The Sr must be located inside a weatherproof building.
- The unit must be installed on a non-combustible level and even base.
- The Sr must not be operated in areas where there is a risk of accumulation of flammable vapours or dusts.
- At no times should the flue be obstructed e.g. Overhanging branches.

INCLUDED CHIMNEY SYSTEM

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



OPTIONS

- Catalytic converter



+

- Chimney fan

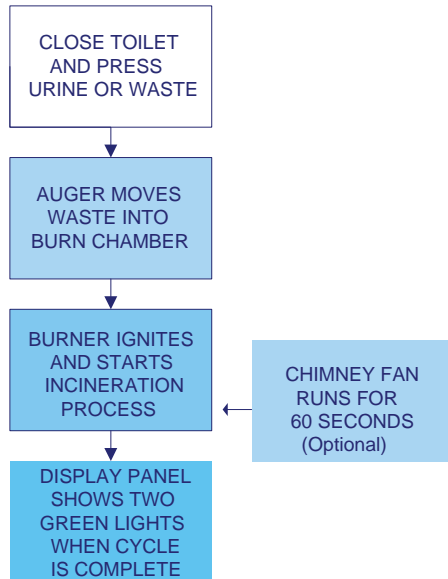


The catalytic converter cleans the outgoing air and ensures there is no harmful air going out.

The fan, which is located on the top of the chimney system, starts for 60 seconds every time the burner ignites.

OPERATION

The Sr is controlled by a display panel, which signals when burn cycles are completed, if propane is out, or if there has been too many users in a too short time period, etc.



DISPLAY PANEL



- WHEN INITIATED, THE BURNER IS PUT INTO OPERATION
- WASTE IS TRANSFERRED INTO THE BURN CHAMBER AND COMBUSTION CONTINUES UNTIL A FLUE TEMPERATURE OF ABOUT 800 FAHRENHEIT IS REACHED
- A URINE CYCLE RUNS FOR ABOUT 5-10 MINUTES
- A WASTE CYCLE RUNS FOR ABOUT 25-30 MINUTES
- IF THE TOILET IS BEING USED DURING ITS BURN CYCLE, IT WILL AUTOMATICALLY SHUT OFF AND THEN PICK UP THE CYCLE AGAIN AFTER THE LID HAS BEEN CLOSED
- IF THERE ARE ANY PROBLEMS WITH ITS OPERATION, THE DISPLAY PANEL WILL SHOW A RED LIGHT
- TWO GREEN LIGHTS ON THE DISPLAY PANELS SIGNALS A COMPLETE BURN CYCLE

DIMENSIONS

Height: 25''
Width: 23''
Depth: 34''
Sitting Depth: 19''
Weight: 132 lbs



SR MODELS

Sr-12 - Runs off 12V DC
Sr-110 - Runs off 110V AC

CAPACITY

6 people full time; 12 people part time

TECHNICAL DATA

Heat flow	5 kW
Fuel	LPG - Propane
Fuel consumption	14.8 ounce/hour = approx. 200 flushes per 5 gallon
Operating voltage	12V DC or 110V AC
Max gas supply pressure	0.5 psi
Min gas supply pressure	11 in. w.c.
Hourly Btu input	18,000 Btu/hr
Manifold pressure	9.7 in. w.c.
Temperature	Operation - 10 to 120°F
User capacity	6 people full time; 12 people part time
Operational Power consumption	2.5 AmpH



UL and CE approved.

The Sr is a very safe and convenient appliance when assembled and used properly. In order to provide a high quality toilet, we have chosen to only use high quality material that is made to last. During 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 will recognize if any minor problems were to occur and safely shut-off the unit.

BENEFITS

- Very clean and low maintenance
- No need for septic tank
- 12V DC or 110V AC operation
- Runs on Propane
- Efficient incineration – very little ash that only needs to be emptied periodically
- Attractive design
- High quality
- No septic odor
- Meets all emission regulations
- No need for chemicals or other additives
- No freeze-ups in colder climate
- Environmentally friendly
- Safe
- Can be used during its incineration process

APPLICATIONS

Cabins and guest houses - No need for water or plumbing. Cheap alternative to expensive septic tanks. Easy to install.

Military and disaster situations - Rapid deployment and elimination of chemical toilets, which need constant pumping and disposal of waste.

Construction/Work sites - Cleaner and nicer than regular "porta-potties".

Remote applications - Can be installed where septic tanks are restricted. Operates on 12V DC or 110V AC.

Camp sites - Cleaner choice than composting toilets. No risk for freeze-ups.



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 feeder screw. The cost of Propane is also very low: On average a regular 5 gallon propane tank last approximately 200 flushes.

MAINTENANCE AND CLEANING

For regular usage, the unit only has to be emptied a few times a year. The chamber is easily accessed and it makes the ash removal process very easy. To ensure a clean bowl and auger, the toilet is equipped with a small reservoir of water, which can be used to better clean the bowl. One just has to press a button, located on the side of the toilet, to rinse the bowl. As an option, it is also possible to add a liner in the bowl before usage.



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