Separett®

Waterless toilets

Feels like home

Comfort wherever you are

www.separett.com

Separett – a complete toilet system for vacation and residential homes

Enjoy your home

For 30 years, Separett has manufactured toilets designed to satisfy your need for comfort – wherever you may be. You should feel at home when you are at your house, vacation home or anywhere else where there is no access to a septic system. Thanks to the continual development of technology, design and functionality, Separett toilets are now more advanced than ever. That is why Separett toilets are used all over the world, from the dry heat of Africa to the icy cold of Greenland.

Benefits for the environment

Separett wants to contribute to a green and sustainable environment for present and future generations. A Separett toilet needs neither water to flush with, nor expensive sewage treatment, which is a great benefit to the environment. Moreover, the separation process makes it possible to recycle the waste back to nature as an organic fertilizer. The benefit to you is a toilet solution without odour.

Separett conquers unpleasant odours

Until now, waterless toilets meant unpleasant odours. When urine and faeces become mixed together, the combination starts to ferment. In a Separett toilet, liquid and solid wastes are routed separately which means the processes that cause unpleasant odours never occur. Thanks to this, the ventilation can be routed straight through the back wall or roof. Also, the energy-efficient fan will keep the toilet or shower area free of moisture and odours.

Easy handling of the liquid waste

Thanks to this process of separation, it is easy and safe to handle the liquid waste with simple tools. Depending on your wishes and options you have a few choices for removing the urine; connect it to the greywater system, to a leaching bed/soak away or to a tank.

The *Separett Ejektortank* is an excellent choice when you wish to recycle the natural fertilizer from the urine to your flower garden.

Unlimited Capacity

When the urine, which accounts for about 85% of the volume, is removed the storage capacity increases greatly. The solid waste, faeces and toilet paper, are routed into the container inside the toilet. The container is replaceable. Normal use by a family of four requires the container to be changed only every 3-6 weeks, giving the toilet virtually unlimited capacity.

Composting outdoors-keep it fresh indoors

The remainder, dried solids and toilet paper, is easily lifted out and stored outdoors for 6 months inside the container. This process inactivates human pathogens, so that it can harmlessly be composted or buried, in order to decompose fully. The end product is an organic fertilizer for your flower garden.

Separett® VILLA®

Model 9000 ■ Feels like home

With the *Villa 9000*, the standard for enviromentally friendly toilets has been set higher than ever. In terms of design, stability, comfort and use, it is the equal of a modern WC in every way. The built-in, 2-speed fan expels odours and condensation from the toilet and bathroom quietly and effectively. The venting duct can be run straight through an outer wall. The *Villa 9000* can be installed in both warm and cold locations, and will work perfectly well irrespective of the room temperature. It can be placed according to your needs and fastened to the wall or floor. The *Villa 9000* is supplied complete for simple installation, with a venting pipe (Ø75 mm) to go through a wall and a 2-metre long (Ø32 mm) urine waste hose. Connect the *Villa 9000* to a *Separett Ejector Tank*, if you would like to collect the urine and use it as an environmentally friendly fertilizer.

- **Odour free**
- **Unlimited number of users**
- **Works in any temperature**

Easy to use

Concealing view screen

When you sit down, the unique pressure seat opens a view screen that otherwise covers the solid waste container. At the same time, the container is rotated so that the contents are evenly distributed.

Easy change of container

Put the lid over the container and use the sliding surfaces to remove the container from the toilet. The toilet is supplied with three containers and ten compostable waste bags. Place a bag in the container to simplify cleaning. Additional bags and containers can be purchased if require

Fresh restroom air

The 2-speed fan (Villa 9000) runs continually. Normally at low speed. Speed 2 is used after several consecutive toilet visits or in order to quickly expel excess amounts of condensation, such as after a shower.

The Separett Villa is supplied with

Child seat, vent pipe Ø75 mm (40 cm) and vent grid, vent cowl, indoor vent flashing, connector pipe 90°, connector pipe straight, 3 solid waste containers and 2 lids, 10 compostable waste bags, hose for urine waste Ø32 mm (2 m), silicone sealant compound, mounting screws, insect nets.

Guarantee conditions: Separett's 5-year guarantee includes all materials (not labour) for all original parts in the toilet.

Model 9010 12V ■ Battery and solar power

For houses that do not have access to a 230V power supply, the Villa model is available with a 12V fan. The fan (2.5W, 210mA) is highly suitable for battery/solar power. Operating time using a 12V, 100Ah battery is about 2 weeks. Apart from the 12V fan including a battery cable and a power adapter 12/230V, the 9010 is identical to the Villa 9000. It is also supplied complete for simple installation with a venting pipe to run through a wall and a 2-metre long hose for urine waste.

Separett® CHILD SEAT

The *Separett child* seat with a division for liquids and solids is included with the *Separett Villa*. It also fits the models *Privy 500* and *Rescue Camping*. The child seat gives a firm hold against the toilet seat and is easy to clean.

Separett® WEEKEND

Model 7010 ■ For the guest annex

Weekend is a urine separating holiday home toilet for use indoors or in other spaces. The urine separating function means that it takes five times longer for the container to become full and require emptying. The fan creates an under-pressure which both dries the faeces more quickly and transports odour out. This means that the toilet room is also ventilated and so kept odour-free. An installation kit is included with the toilet. Connect the *Weekend 7010* to a *Separett Ejector Tank*, if you would like to collect the urine and use it as an environmentally friendly fertilizer.

Use

Containers and bags

The contents collect in the compostable bag in the container. Urine collects in the urine basin and flows from here through an internal hose and exits at the rear.

Changing the container

Place the cover on the container and lift it using the handles. 2 containers with covers and 10 compostable bags are included. The bags make it simple to clean the container. Containers and bags can be bought as accessories.

Odourless with fan

The fan is at the rear and is run from a 12 volt power supply. A battery cable and mains adapter are included. The Separett Weekend can therefore be connected both to 12 volt and 230 volt power supplies..

Included with Separett Weekend

Vent. pipe 40 cm Ø75 mm, valve grating, cover plate, 90° bend, cowl, 2 latrine containers and 2 covers for these, 10 compostable bags, 2 m white urine outlet hose Ø32 mm, silicon, bolts for fitting.

- **Urine-separating holiday home toilet**
- **For use indoors or in other areas**
- **3 years guarantee**

Latrine composter Roslagskomposten

The good sized volume of 2 x 500 litres makes the Roslagskomposten suitable for the simultaneous composting of household waste and latrine waste at leisure homes. The composter, where used at permanent residences, is suitable for composting the household waste of up to 5 people. Dimensions: Height 840 mm, Length 975 mm, Width 925 mm.

- **Environmentally friendly**
- **Easy handling**
- **Composts large volumes**

The Rescue Camping Kit includes

A hose for urine waste, toilet-paper, cleaning gloves, a spade, compostable waste bags, disinfection tissues and a practical equipment bag.

Separett® RESCUE CAMPING

Modell 25 ■ The anywhere toilet

Rescue Camping is perfect when in need of a temporary toilet e.g. in cottages, boats, RV's, camps, guest-houses and building sites. The *Rescue Camping* is delivered complete and ready for use. A compostable bag is attached to the toilet where only solids are collected. When separating the liquids the waste is considerably diminished. *Rescue Camping* is an economical solution for provisional use.

Easy handling of end products

A natural fertilizer

The solid waste can easily become an excellent fertilizer. Just lift out the container and place it in a suitable location outdoors. Add some soil and put the lid on with a slight opening, which allows the solids to vent. This process inactivates human pathogens so that it can harmlessly be composted or buried, in order to decompose fully. The end product is an organic fertilizer for your flower garden.

An organic plant nutrient

The urine, which contains the majority of our useful waste, can easily be spread on the garden, shrubs and flowers. With the *Separett Ejektortank* you get the optimal mixture of urine and water automatically (8 parts water to 1 part urine), which enables the plants to attract the nutrients without burning.

Installation *Separett*® VILLA®

Installation

There are no temperature range restrictions for rooms where the *Villa* is to be installed. The toilets will function in both warm and cold locations. It must be possible to route the urine away and to mount a venting pipe. Access to 230V, 110V or 12V is necessary depending on model.

Urine Outlet

The urine drainage pipe can be led to the greywater system (e.g. sink or shower), a soakaway or a tank. Details concerning the most suitable and approved alternative can be obtained from your local Environmental Protection, Public Health and Building departments.

Ventilation

The venting pipe can be routed through a wall or the roof. The *Villa 9000* and *9200* can be installed without any restrictions as to length or the number of 90° connector pipes, for example, up into a cold loft or through a suitable side of the building. For *Villa 9010* and *9210* with 12V fan, we recommend a maximum of two connector pipes according to Alternatives 1, 2 or 3. If there is already a venting pipe from a pre-existing toilet, the new venting pipe can be connected to this. All *Villa* models are fitted with condensation collectors and the venting pipe does not need insulation.

- **Ready to route ventilation through the wall**
- **Connect to existing venting pipes**
- **No need to insulate venting pipes**

Separett® PRIVY

Model 500 ■ Upgrade your outhouse

The *Separett Privy* is a urine-separation kit that can be easily fitted in an existing outdoor toilet. Urine and solids are kept separate, latrine-type odours disappear and the substantially reduced waste is easy to deal with. The urine is routed via a hose to a soakaway or tank. Containers and bags for solids and paper are available as optional extras. Included in the kit is the *Insulated Seat 300*, which ensures comfortable year-round use.

The Privy 500 kit includes

Urine separating kit, insulated seat, 2.5 m hose for urine waste.

Separett® INSULATED SEAT

Model 300 ■ Comfort for frosty visits

Placed on the seat in an outdoor toilet. Extra durable, 30 mm thick. Made from cellular plastic.

Separett® EJEKTORTANK

Model 50 ■ For the green gardener

Separett Ejektortank is easy to install, has no moving parts and automatically mixes (in the ejector) 8 parts water to 1 part urine. Access to water with a minimum pressure of 2,5 bar (250 kPa) is required. The 50-litre tank is sufficient for holiday homes, when emptied every second or third week. A float indicates when the tank is full. The *Ejektortank* mixes urine and water and is emptied and cleaned automatically without the need for user intervention. The *Ejektortank* connects to a 1/2" garden hose. A 10-metre long, 3/4" emptying hose with a 50 cm nozzle is included. (The hose can be extended to 20 metres.).

The Ejektortank includes the following

Container (50 litres), lid with ejector 8:1,float, 10 metre 3/4" hose with nozzle.
Height 465 mm, Ø475 mm.

Model 500

A urine-separation kit that comes complete with a cellular plastic seat and lid. Includes a 2.5 meter hose..

Model 501

A urine-separation kit that comes complete with scratch resistant plastic seat and lid. Includes a 2.5 meter hose.

3-year guarantee

Child Seat Included

Separett® Flame

Model 8000 ■ Feels like home

Flame 8000 raises the standard for incinerating toilets, matching the design, stability, convenience and use of a modern WC in every way. The built in fan efficiently removes odours and moisture from the room in which the toilet is and from bathrooms. The built in control unit allows three different programs to be used, so ensuring energy efficient waste incineration. The ash can be use as an ecological fertilizer.

Use

Simple hatch opening

The waste collects in a bag which is placed on the hatch. When the bag and its waste are ready for incineration, open the hatch by pressing the flush handle and the bag falls down into the ash box. Bags can be purchased as accessories, part no. 1177.

Simple ash box emptying

The hatch at the front is opened by releasing the locks on the sides and then removing the ash box. The size of the ash box has been designed to reduce energy consumption. The ash can be used as a fertilizer.

Energy efficient incineration, three programs

Separett Flame has 2 energy efficient incineration programs and a fan program for extracting moisture from bathrooms. The two programs are for fluids (yellow symbol) and solid waste (brown symbol).

Everyone can use Flame

Our Sally child toilet seat, part no. 1154, is included with Separett Flame, which means that even the smallest members of the family can use Separett Flame. Separett Flame is supplied with 500 bags.

- **Odour free**
- **No waste outlet required**
- **Ashes only residue**
- **Functions at all temperatures**
- **Capacity, 6 persons**

How to install Separett Flame

Installation

Separett Flame has no room temperature requirements and functions both in cold and warm spaces. It can be placed wherever needed and does not need to be attached to a wall or floor.

Ventilation

The unit can be vented through a wall or the roof using a maximum 6 metre long pipe of 110 mm diameter and 1 x 90° or 2 x 45° bends. It is recommended that the entire pipe length is insulated if *Separett Flame* is to be used during the winter. Air inlet should be provided by a 160 mm valve through the outer wall either near *Separett Flame* or immediately below the ceiling.

The following is included in Separett Flame

Child seat, 500 bags.

- **Easy to install**
- **Standard pipe**
- **Pipe length up to 6 m**

Accessories Separett® VILLA®

Solid waste container including lid
Weekend Item no 60417
Villa Item no 1098

Compostable waste bag
Degradable, (10/roll). Fits all models from 1998. Item no 1127

Solid waste bag
(10/roll). Fits all models from 1998.
Item no 1126

Bio drain cleaner
Place in the urine basin. The enzymes helps to clear the pipe. (5 pieces/package).
Item no 1118

Waterseal urine waste pipe
Ø32-40 mm. NB! Only needs to be fitted if an unpleasant odour from the greywater system flows up through the toilet and can be smelt outdoors. T-pipe (Ø32-40 mm), U-band pipe, 2 wall mounts. Item no 1032

Absorb
Compostable. Absorbs any moist in the solid waste container. (5 pieces of Absorb tissues/package). Item no 1060

Child seat
Item no 1101

Indoor flashing for vent pipe
Ø75 mm. Item no 1027

Vent grid
Ø75 mm
Item no 1026

Ejektortank 50 litres
Item no 1013

Vent cowl
Ø75 mm
Art nr 1030

Roof flashing, EPDM rubber
Tarred roof/tiled roof.
Art nr 1092

Vent pipe, 2 metres
White Ø75 mm
2 metre pipe, 2 wall mounts
Item no 1020

Connector pipe, straight
Ø75 mm
Item no 1023

Connector pipe 90°
Ø75 mm
Item no 1021

Joint seal
Small pipe coupling.
Ø75-55 mm
Item no 1024

Large pipe coupling.
Ø75-110 mm
Item no 1025

Technical data

	Material	Inner container	Voltage/ Wattage	Power consumption	Electrical connection	Noise level fan
VILLA 9000	Impact-resistant high-gloss polypropylene, recyclable	23 litres Polypropylene	230V/16.5/11W	0.396/0.276kWh/24 hrs	Cord 1.7 m Earthed plug	41/31dB(A)
VILLA 9010	Impact-resistant high-gloss polypropylene, recyclable	23 litres Polypropylene	12DC/2.5W/210mA	0.06kWh/24 hrs	Battery cable, 1.9 m or power adapter 12/230V	<30dB(A)
VILLA 9200	Impact-resistant high-gloss polypropylene, recyclable	23 litres Polypropylene	110-120V/14.6/ 18.9W	0.350/0.453 kWh/24 hrs	Cord 1.22 m Earthed plug	41/31dB(A)
VILLA 9210	Impact-resistant high-gloss polypropylene, recyclable	23 litres Polypropylene	12DC/2.5W/210mA	0.06kWh/24 hrs	Battery cable, 1.9 m or power adapter 12/120V	<30dB(A)
WEEKEND 7010	High impact polyethylene, recyclable	30 litres Polypropylene	12V/2.5W/210mA	0.06kWh/24 hrs	Battery cable, 1.9 m or power adapter 12/230V	<30dB(A)
FLAME 8000	Recyclable Polystyrene. White lacquered galvanised plating	Interior: Stainless steel Ash box: Acid-resisting steel	240V, 1.6kW 10 amp. fuse	0.4-1.3 kW/visit	Cord 1.9 m Earthed plug	
EJEKTORTANK 50	Recyclable polypropylene	50 litres Polypropylene				
RESCUE CAMPING 25	Recyclable polypropylene	Bag 27 litres				

Modell 9200 110V - For 110-120V markets Apart from the 110V fan, the Villa 9200 is identical to the Villa 9000.
Modell 9210 12DC - For 110-120V markets Apart from the power adapter, the Villa 9210 is identical to the Villa 9010.

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Waterless toilets

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Värnamo Ljuskopiering AB