



2021

# Together for waterless toilets



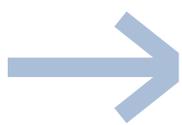
This year's biggest news, though the smallest toilet. You can read all about our tiny master on page 12 and 13.

*Separett*<sup>®</sup>

**“Our vision is to  
contribute to a  
higher quality of  
life for the many”**

This brochure has been created with accuracy. Products may differ slightly from image and reality. We reserve the right to make any product changes regarding appearance and content as well as errors in text and images

# The journey towards hygienic toilet solutions



**Over 2,4 billion people are at the moment not having access to a toilet.** The result of this is the every year death of thousands of adults and children. The contribution of Separett being able to provide toilet solutions that can give people a higher quality of life all over the world is very important.

**We want to accelerate the development of** hygienic toilet solutions for the population of the world. That is the mission of Separett. And we do it by developing sewage- and waterless toilets.

**It is a long journey** I want to improve that is being guided by our hearts more than our economical goals. It is only together that we can reach the goals being set by United nations regarding the security for safe water and sanitation around the world.

**As a part of the humanity** and its progress towards sanitary toilet solutions are we at Separett together with a non-profit organisation sending toilets to areas in Peru where the need of toilet solutions are great. To be able to take part of the sanitary development and reduce the mortality is of course something that is of great importance for us. This is an important step for the quality of life for humanity.

**Another important step is to reduce the water consumption,** this to improve the environment. One of my biggest dreams is to have a Separett toilet placed on the highest floor in one of the highest buildings in New York, and of course on the moon.

**By national and international cooperation** with shared visions and knowledge, I am convinced that we can reach those goals together.



**www.separett.com**  
Look in to our blog for interesting articles and other fun reading



**Separett AB at Youtube.**

Follow our Youtube channel for inspiration and advices



**Find inspiration from other Separett-users all over the world.**

@separettwaterlesstoilets



Mikael Billsund  
CEO Separett

# Toilet solutions of Separett

At Separett we are taking part of the leading development towards waterless toilets, we are constantly searching for new ways to contribute for further progress within new sanitary solutions.

In our great collection of waterless toilets you can find several product types with different functions that is reducing the impact on the environment.

We are proudly introducing our new product for 2021, **Tiny**. Tiny is a waterless toilet in a smaller size that is perfect for small spaces. Tiny is a urine diverting toilet, this means that the urine is separated from the other waste. When the urine is separated, the waste can be used in composting and as plant nutrition.

In our selection of toilets there are several different models to choose between.

**If you wish to have ashes as a restproduct** we are suggesting one of our incineration toilets. With its powerful technique and flexible design, this type of toilet is perfect for you that appreciates simple waste solutions where ashes can be spread as plant nutrition in the garden.

**If you are looking for our most simple** toilet solution we recommend a urine toilet, freeze toilet or a dry toilet solution. With smart solutions and user friendly details that makes it easier for the user. The dry toilet is perfect if you want to upgrade your already existing outhouse toilet.

**In addition to our toilet solutions** we are offering several accessories such as composts, incineration ovens and a variety of other products that makes the sanitary life easier.

## What is the best choice for me?

### Incineration Toilets

This type of toilets are suitable for you that are looking for a simple handling of waste. No need for any type of drain or expensive installations. The waste is being burned and turned into ashes as the only restproduct. The burning process is of high safety and the user can therefore feel safe using the product. The product is optimized for weekend houses but are also suitable for permanent homes.

### Urine diverting Toilets

Toilets for you that wishes to contribute to the natural recycling process. When using this toilet the urine is being separated from the rest of the waste. The solid waste can be composted and the pee can be mixed with water and used as plant nutrition for your garden. Urine diverting toilets are suitable for all environments and does not require either drain, water or heated area.

### Urine Toilet

Toilets for you that only are in need for a solution of handling the urine. The urine toilet can be used separately as the main toilet or can be working as a complement to the incineration toilet. The urine toilet makes it easier to take care of the urinary nutrient that can be used in the garden when mixed with the right amount of water. This is the perfect solution for a summer holiday house.

### Freeze Toilet

This is the toilet for you that are looking for a simple toilet solution. The freeze toilet does not require any complex installation, ventilation or drain. With this toilet the waste is being frozen and can after that be placed in the Roslag compost or together with our latrin bags. This toilet can be useful during home renovation or in holiday houses.

### Dry toilet solution

A toilet solution for you that prefers simple installation. Our urine diverting dry toilets Privy are easily installed into your already existing outside toilet. The dry toilet seat can be purchased in both plastic and styrofoamoch. The process of separating the pee from the other results in minimal odor, less waste and fewer emptyings.

### Incineration Toilets



S6

### Urine diverting Toilets



S12

### Urine Toilet



S26

### Freeze Toilet



S27

### Dry toilet solution



S25

### Installation & accessories



S30

Prod. nr 1228-01

# Cindi® Family

- ✓ No water or drain
- ✓ Information display
- ✓ Ashes as restproduct



## Like a regular toilet, but better.

**Cindi Family gives you the same comfort** as a regular toilet and can be placed in any space. Because of the incineration process the waste is being transformed into ashes. The user friendly display on the top of the toilet provides the possibility for the user to adjust settings such as language and incineration time. The display also gives you information regarding time of emptying, cleaning and when service needs to be done. This product is designed and optimized for the cottage and Tiny homes but can also be used in your permanent residence or in a guest house. It has the capacity to handle the waste from maximum 6 people on a regular basis.

**Cindi Family registers the number of visits** and adjust the incineration process based on this to ensure that the waste always turns into ashes. Start an incineration programme after each use, after making sure that the waste bag has slid down.

**Purchasing Cindi Family also includes:** Installation manual, user manual, wall-mounted manual, installation template, child seat Sally, long bend Ø110 mm 90°, ventilation cowl Ø110 mm 90°, 500 incineration bags, extra fuses, cleaning brush for smokepipe, screwdriver

## → Information

**Material:** Recyclable ABS, antibacterial. White enamelled galvanised plate.

**Inner container inner part.** Stainless plate.

**Ash box:** Acid-proof plate.

**Voltage/Wattage:** 230 V, 1.8 kW. 10 amp. fuse

**Energy Consumption:** 0.4–1.7 kWh/visit

**Electricity Connection:** Cord 2.4 m with grounded plug

**Noise level fan:** About 55 dB(A)

**Max weight** 150 kg

**Sit height:** 52 cm

**Anslutningar:** Ventilation out from the toilet: Ø110 mm

Ventilation in to the space where the toilet is installed: Ø110mm/160 mm depending on the position.

**Installation & accessories Page.31**

## This is how it works



Place the bag in the toilet bowl under the toilet seat. When you have done your business - push down the flush handle



Choose suitable incineration program after each visit



Empty the ashpan by removing the front cover by pulling it out. Empty the ash in the garden or in household-waste



Also suitable for children with the Sally child seat. Included in delivery of Cindi Family.

Prod. nr 1229-02

# Cindi® Basic

- ✓ No water or drain
- ✓ Information display
- ✓ Ashes as a restproduct



## A button for everything.

**Cindi Basic is simple.** You are handling the process with only one press of a button. The button shows different colour which shows if the toilets needs to be for example emptied, cleaned or if a service needs to be done.

**Cindi Basic is suitable** for holiday houses and have capacity for 6 person. The incineration process is adapted by the amount of visits, this to make sure that the waste is always transformed into ashes. Start an incineration programme after each use, after making sure that the waste bag has slid down.

**Purchasing Cindi Basic also includes:** Installation manual, user manual, wall-mounted manual, installation template, long bend Ø110 mm 90°, ventilation cowl Ø110 mm 90°, 100 incineration bags, extra fuses, cleaning brush for smokepipe, screwdriver

## → Information

**Material:** Recyclable ABS, antibacterial. White enamelled galvanised plate.

**Inner container inner part.** Stainless plate.

**Ash box:** Acid-proof plate.

**Voltage/Wattage:** 230 V, 1.8 kW. 10 amp. fuse

**Energy Consumption:** 0.6—2.4 kWh/visit

**Electricity Connection:** Cord 2,4 m with grounded plug

**Noise level fan:** About 55 dB(A)

**Max weight** 150 kg

**Sit height:** 52 cm

**Anslutningar:** Ventilation out from the toilet: Ø110 mm  
Ventilation in to the space where the toilet is installed: Ø110mm/160 mm depending on the position.

**Installation & accesories Page.31**

## This is how it works



Place the bag in the toilet bowl under the toilet seat. When you have done you business - push down the flush handle



Press the putton to start an incineration program after each visit



Empty the ashpan by removing the front cover by pulling it out. Empty the ash in the garden or in household-waste



Also suitable for children with the Sally child seat. Not included in Cindi Basic - sold separately.



“What were they doing?”



When the future living generation on earth is looking back in time they will most likely be wondering what we were doing, at least if you ask X-runners CEO Arturo Llaxacondor. He states that our way of wasting water and handling waste is not sustainable. Read the interview on page 20.



## 3 ways to save water

- 1 Take 5-minutes shower**  
Water shortages affect four out of ten people. Since 80 percent of wastewater is never treated, taking shorter showers is a great way to save this valuable resource.
- 2 Eat more plantbased meals**  
Change your food routines and include more plantbased products and sustainable groceries from animals. This can reduce the emissions from greenhouse with up to 8,0 gigaton per year.
- 3 Do not throw away food**  
Approximately one third of all food that is globally produced is being thrown away. By decreasing the food waste the amount of water being used during food production is also decreasing. Agriculture are one of the productions that uses the highest amount of water.

# Aware of the UN:s goals?

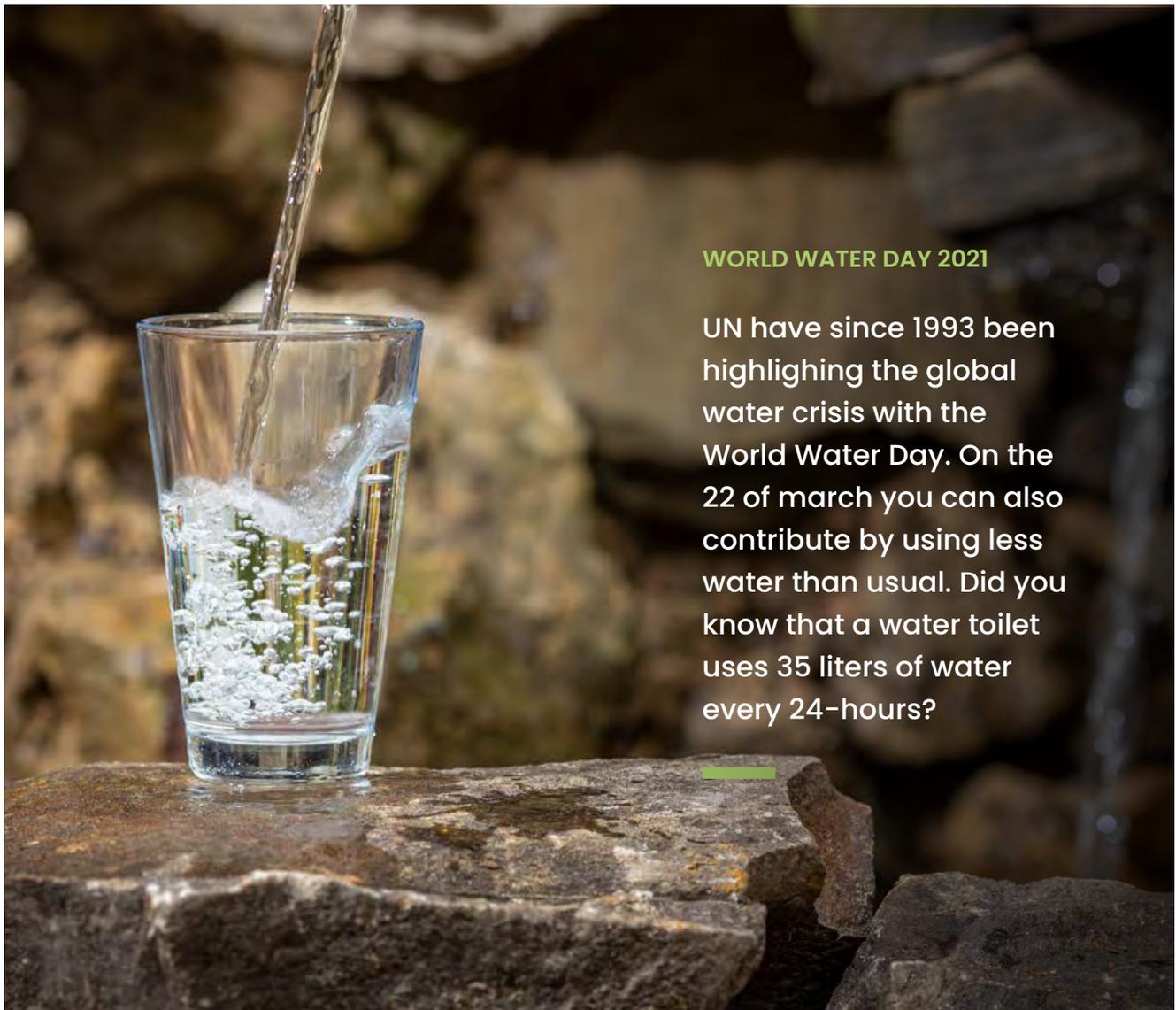
At the year 2030 everyone should have access to clean water and sanitation. That is one of the UN:s 17 sustainability goals. If you want to read more about UN:s work and what you can contribute with, visit [www.un.org](http://www.un.org)

# Give your lawn nutrition with the help of urine

If you mix the urine with water you will get an effective plant nutrition.

By mixing 1/8 part urine with 7/8 parts water you will get the perfect mix of plant nutrition. Our urine diverting toilets are perfect for this and the toilets also make it possible to compost the solid waste.

The solid waste should be placed in the compost between 12-14 months, this because solid waste consists of less amount of nutrition. Always check with your municipality what applies where you live if you want to start composting.



## WORLD WATER DAY 2021

UN have since 1993 been highlighting the global water crisis with the World Water Day. On the 22 of march you can also contribute by using less water than usual. Did you know that a water toilet uses 35 liters of water every 24-hours?



# A big heart for small houses

After Fabian Bräuer had built his own Tiny House he got inspired and decided to make the building of Tiny homes to his job. Today his Treesign builds several tailored houses every year.

– In a Tiny House there is no need for small talk, there is possibility for closeness and conversation. Fabian tells us about that living in a Tiny home have resulted in many philosophical, interesting and funny conversations.

Separett's latest product, small Tiny, is being launched during 2021. A urine diverting toilet that is designed for small spaces, like Tiny houses. Tiny homes is a trend that is constantly growing, and Treesign builds and sells tailored homes to their clients.

– We are trying to build sustainable homes that will last for a lifetime. Sustainability is important, we are

trying to use as much ecological material as possible, Fabian claims.

Since the start, Treesign has built 25 Tiny Houses with more to come. Fabian thinks that the popularity of Tiny Homes is the respond to our consumption society.

– We are all the time confronted by different products. Many people believe that buying new products equals having a high living standard. I think that people are tired of constantly buying new things. By minimizing a persons belongings to the most important things is something that can make a person more happy in the long run.

**Also works in Scandinavia**

It is quite logical that Tiny Houses became popular in USA, in the nice warm temperature, underneath the California-sun. But are Tiny Homes also suitable for snow and the dark, cold climate in Scandinavia?

- We have built houses in northern Scandinavia, and we have good contact with that client. She thrives very well and says that it is the best isolated house she has lived in.

- Eventhough the wheather is cloudy, energy is still being generated from solar power. The energy that is being generated is enough to give power to lights in the house, the fridge and charging mobilephones. The energysystem can be tailored after the clients wishes.

**Separett - the most common toilet solution**

To be able to take a step forward to the Tiny lifestyle, some decisions of toilet solutions that you are not used to needs to be made. Separett is a great, common choice.

- If you are not used to this solution, it might take some time before you get used to it, this usually do not take long. Our clients make the choice of toilet solution by themseives where many choose Separett. 80 percent of our houses are installed with a Separett-toilet.

- We are looking forward to the new , small toilet

Tiny. Our clients wishes has together with us taken part in the designing process together with Separett. We are grateful that the new design has been created with our clients opinions in mind.

Because of todays Corona pandemicl the restrictions are putting limits on our social lives but Tiny Homes are in ordinary times not limited in terms of social life, having parties and cozy evenings.

- The Closeness is creating a new kind of sphere. I have been to parties in Tiny Houses and it is some of the best parties I have been to. You never forget them.



All the houses are unique, and are built according to the customer's wishes. The waiting time is about 1 year to get your house.



Fabian and his colleagues interview customers about lifestyle, wishes and life situation in order to offer the best possible house.

Right: Alexander Gergesa and Fabian Bräuer plan how to add birch plywood to the interior.



**Fabian's tips on Tiny Homes**

- Use solar cells and wood-fired heater for energy and warmth.
- Think about your choice of toilet solution - are you in need of drain or not?
- Like all houses there can be need for some handiness - there is no landlord to call.
- Tiny houses are often experienced as bigger than an apartment in the same size. This because of the closeness to nature.
- Think about what you really need in life - is there anything that you do not need?
- The cost for a tailored Tiny House is from 500.000 up to 1 million SEK. Depending on comfort and the different attributes.
- Think about where you want to place your house, the house can not be placed in all enviroments.

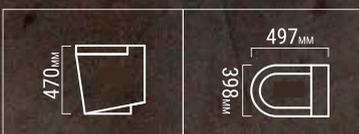
Tiny®

# The tiny master is here



- ✓ Complete 360 solution
- ✓ Low operating cost
- ✓ Simple handling of waste

**Size matters.** The latest toilet solution from Separett is the small and flexible, Tiny. A real friend to Tiny Houses and other small places. Choose between two versions and think about what you should do with all the space that you will get.



Art. No 1270-01

# Tiny® with Urine container



Separett Tiny is a urine diverting toilet that is especially developed for Tiny Homes and other small spaces such as camper vans, caravans, boats, hunting cottages etc. All that is needed for installation is the electric energy of 12 V or 110-240 V and a 50 mm pipe that is used for ventilating the toilet.

## A small toilet for smaller spaces

Tiny is the latest of Separett's urine diverting products. After several years of development of urine diverting toilets this has led to the simple and flexible design of Tiny that is a perfect fit for small spaces.

## Closed system

This model of Tiny contain both the liquid and solid waste inside of the toilet with two containers, one for urine and one for the solid waste.

If the toilet is being used in a permanent home of 2 people, the solid waste container needs to be emptied once per week. The urine container needs to be emptied 2-3 times per week. The urine container has a sensor that gives a signal to the Separett-logotype that

lights up in a red color when it is time to empty the container.

## Hygienic and odorless

The operational reliability of Tiny is high and the installation of the toilet is easy. The fan exhales the small odor that is formed, despite urine separation, and also contributes to a better indoor climate by constantly keeping the air in the space in motion. The fan is effective and silent and most effective during continuous usage.

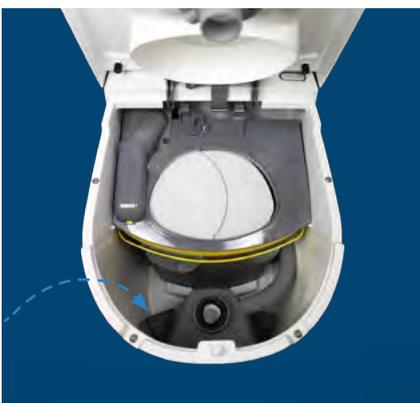
## View screen

The view screen hides the solid waste in the container and is pushed to the side when you sit down to use the toilet. This results in that you only see the toilet waste when it is time to empty the solid waste.

**See delivery contents on page 33**

Art. No 1271-01

# Tiny® with Urine tube



Separett Tiny is a urine diverting toilet that is especially developed for Tiny Homes and other small spaces such as camper vans, caravans, boats, hunting cottages etc. All that is needed for installation is the electric energy of 12 V or 110-240 V, a 50 mm ventilation pipe and a 32mm urine hose.

## A small toilet for smaller spaces

Tiny is the latest of Separett's urine diverting products. After several years of development of urine diverting toilets this has led to the simple and flexible design of Tiny that is a perfect fit for small spaces.

## High capacity

Thanks to the urine separation, both the smell and the volume of the waste that must be disposed of are reduced. This model of Tiny is installed with a ventilation pipe that is pulled out of the toilet space and a urine hose from a 32mm pipe in the back of the toilet. If the toilet is being used in a permanent home of 2 people, the solid waste container needs to be emptied once per week. Urine is led to an external container which is emptied when needed.

## Hygienic and odorless

The operational reliability of Tiny is high and the installation of the toilet is easy. The fan exhales the small odor that is formed, despite urine separation, and also contributes to a better indoor climate by constantly keeping the air in the space in motion. The fan is effective and silent and most effective during continuous usage.

## View screen

The view screen hides the solid waste in the container and is pushed to the side when you sit down to use the toilet. This results in that you only see the toilet waste when it is time to empty the solid waste.

**See delivery contents on page 33**

Prod. nr 1067-03

# Villa® 9010

- ✓ 230 V or 12 V
- ✓ Unlimited capacity
- ✓ Very low noise level



## Silent and odorless

**Separett Villa 9010** is a urine diverting toilet which, with its simplicity and unlimited capacity, offers a comfortable toilet visit. With the renewed (2020) strong 12V fan, the toilet can handle installations up to 6 meters long and with up to 3, 90 ° bends.

**The toilet can be operated with** 230V or with 12V solar cell / battery power. Adapter for both options is included with the toilet. The fan (2.5 W, 210 mA) has very low energy consumption and is therefore suitable for battery or solar cell operation as well. For battery operation (12 V, 100 Ah), the operating time of the fan is approximately two weeks. The battery is not included.

**With its high capacity,** the toilet works just as well during continuous and alternating use. Therefore suitable for both leisure and permanent living. A holiday home with five people usually needs to empty the latrine container in the toilet every 4 to 6 weeks.

**Villa 9010 has high operational reliability,** is easy to install and does not take up more space than a standard toilet seat. The toilet space is constantly ventilated by the toilet fan and urine is separated from other waste, which makes the toilet space odorless. The view screen hides the dry waste and is only pushed away when you sit down to use the toilet.

See delivery contents on page 32

## → Information

**Material:** Recyclable high-polish polypropylene

**Inner container:** 23 liter polypropylene. Full container about 8–10 kg

**Voltage/Wattage:** 12 V/2.5 W/210 mA

**Energy consumption:** 0.396/0,276 kWh/day

**Electricity Connection:** Battery cable 1.9m alt. network adaptor 12/230V

**Noiselevel:** <30 dB(A)

**Max weight:** 150 kg

**Sit height:** 42 cm

**Connections:** Ventilation out: Ø75 mm. Urine run-off: Ø32 mm.

**Installation & accessories page 33**

### Easy to use



**Concealing view screen**  
When you are sitting down the cover is pushed aside at the same time as the container is being rotated. This to distribute the waste equally.



When it is time, change the container easily. Just put the lid on and lift up the container.



Can be connected to a battery. Villa 9010 is easily connected to a simple battery (not included)

Prod. nr 1095-03

# Villa® 9000

- ✓ Only 230 V
- ✓ Unlimited capacity
- ✓ Low noise level



## For a more advanced installation

**Separett Villa 9000** is like Villa 9010 but it can only be operated with 230 V. The fan in Villa 9000 is stronger but a little louder. Villa toilets correspond to a classic toilet in design, quality and convenience - plus you can use the waste as nutrition in your garden. Perfect for permanent and holiday accommodation.

**Separett Villa toilets** have no requirements for room temperature and work in both cold and hot spaces. The requirements are that it is possible to divert the urine and fit a pipe for ventilation.

**With its high capacity**, the toilet works just as well during continuous and alternating use. Therefore suitable for both leisure and permanent living. A holiday home with five people usually needs to empty the latrine container in the toilet every 4 to 6 weeks.

**Villa toilets have high operational reliability**, are easy to install and do not take up more space than a regular toilet seat. The toilet space is constantly ventilated by the toilet fan and urine is separated from other waste, which makes the toilet space odorless. The view screen hides the dry waste and is only pushed away when you sit down to use the toilet.

See delivery contents on page 31

## → Information

**Material:** Recyclable high-polish polypropylene

**Inner container:** 23 liter polypropylene. Full container about 8–10 kg

**Voltage/Wattage:** 12 V/2.5 W/210 mA

**Energy consumption:** 0.396/0,276 kWh/day

**Electricity Connection:** 1,7m grounded plug

**Noiselevel:** 41/31 dB(A)

**Max weight:** 150 kg

**Sit height:** 42 cm

**Connections:** Ventilation out: Ø75 mm. Urine run-off: Ø32 mm.

[Installation & accessories page 33](#)

### Easy to use



**Concealing view screen**  
When you are sitting down the cover is pushed aside at the same time as the container is being rotated. This to distribute the waste equally.



When it is time, change the container easily. Just put the lid on and lift up the container.



**Fan with two speedlevels.** The fan is usually working with a low speed. The higher level is used when the toilet has been used several times or when the room is moist after shower.

Prod. nr 1191-01

# Villa® 9020

- ✓ External collection of the waste
- ✓ Odorless
- ✓ Low operational cost



## Choose your capacity

Villa 9020 has the latrine container (not included) outside the toilet, which can give you a higher capacity, depending on type of container. The toilet is suitable for both vacation houses and permanent living.

It is important that the container is reachable from the outside. The only difference between Villa 9010 and 9020 is the external container.

Villa 9020 comes with user- and installation manual, universal adapter, battery cables, funnel, 90 ° bend for Ø 75 mm pipes, ventilation pipes 40 cm Ø 75 mm, ventilation cowl, ventilation grille, insect net for ventilation pipes, cover plate for Ø 75 mm and Ø 32 mm pipes, 2 m white urine pipes Ø 32 mm, 90 ° joint pipe Ø 32 mm, straight joint pipe Ø 32 mm, silicone, silicone strip, wall bracket, screws, sample of bio drain cleaner, installation dimension sketch.

## Information

- Material:** Recyclable high-polish polypropylene
  - Inner container:** 23 liter polypropylene. Full container about 8–10 kg
  - Voltage/Wattage:** 12 V/2.5 W/210 mA
  - Energy consumption:** 0,06 kWd/day
  - Electricity Connection:** Battery cable or 1,9m or grounded plug 12/230 V
  - Noiselevel:** 12V:<30 dB(A)
  - Max weight:** 150 kg
  - Sit height:** 42 cm
  - Connections:** Ventilation out: Ø75 mm. Urine run-off: Ø32 mm. Pipe to latrine-container: Ø160mm
- [Installation & accessories page 33](#)



Complete with our accessory package. Contains drain pipes and waste container (prod. No. 1227-01)

## Easy to use



Concealing view screen  
When you are sitting down the cover is pushed aside.



Instead of a waste container in the toilet, Villa 9020 is equipped with a funnel, connected to a pipe that leads to an external latrine container under the floor.



Can be connected to battery. Villa 9020 is easily connected to eg. a leisure battery (not included)

230 V Prod. nr 1219-01 | 12 V Prod. nr 1219-02

# Villa package XL compost

**All parts for a simple toilet solution** for your vacation house. As simple as that! Villa 9000 or 9010 (page. 14-15) separates the urine, and leads it to the Ejector tank (page 18). In the Ejector tank the urine is being mixed with water, turning the urine into plant nutrition for your garden

**The dry waste is gathered and the latrine container** is being emptied and composted in the Roslag compost (page 18). Here two Roslag composts are included with a capacity of 500 liter / compost. These can be used in turns.

This package gives you a complete toilet solution for many years ahead.

- ✓ Total circuit solution
- ✓ Low operating cost
- ✓ Simple handling of waste



Villa 9000/9010 inkl.  
Ejector tank & Roslag compost

230 V Prod. nr 1226-01 | 12 V Prod. nr 1226-02

# Villa package XL burn

**With this package the user is burning the waste** that comes from Villa 9000 or 9010 (pages 14-15) in the incineration oven Burn 900 (page 18). Included in the package is an Ejector tank (page 18). A complete package solution useful for many years ahead.

- ✓ Total circuit solution
- ✓ Low operating cost
- ✓ Simple handling of waste



Villa 9000/9010 inkl.  
Ejector tank & Burn 900

Prod. nr 30010

# Roslag compost

## Joint composting of latrine- and household waste

Roslag compost is perfect for joint composting of household waste and latrine waste. With a secured lid, ventilation and lasting construction the compost is an investment for the future.

Because of the two 500-liters containers the wastelevel is high. When one of the containers have been filled 3/4 the compost process can start and you can fill the second one. The compost is having ventilation on each side.

- ✓ Soil improvement
- ✓ 500 liter container
- ✓ Joint composting of latrine- & household waste



**Compost screw**  
Easily oxygenate the compost with the compost hscrew Art.nr: 1175-01

Prod. nr 1197-01

## Burn 900

**Natural burning** Separett Burn burns the dry waste that comes from the urine diverting toilets. Latrine - or biobags is being placed inside the oven and is being burnt together with firewood. This result in ashes as the only restproduct.

- ✓ Only firewood
- ✓ Used outside
- ✓ Burning the dry waste



Prod. nr 1013-03

## Ejector tank

**With Separett Ejector tank** the urine is automatically being mixed with the correct amount of water suitable for gardening and lawns.

- ✓ Ecological plant nutrition
- ✓ Simple handling of urine



# Adventures ahead

Making the outdoor experience more comfortable with our portable toilet solution. With smart functions and mobility the product is ready for a life in the nature.

Prod. nr 1165-01

## Rescue camping 25

**Mobile freedom.** Rescue Camping is a perfect portable, urine diverting toilet, suitable for outdoor life or allotment. Simple installation and transportation thanks to the design. Dry waste is gathered in a compost friendly latrine bag while the urine is being emptied in the nature, or can be saved in a external container for later management.

Included in the price is a bag, leg stand, urinhose, seat, cover and 10 compostable wastebags.

- ✓ Mobile freedom
- ✓ Suits all occasions



# The future of waterless toilet solutions



An X-runner employee carries heavy buckets with sawdust and bags to be used in a toilet. The material lasts one week.

## Facts on X-runner

X-runner was formed in 2012 by Isabel Medem and Jessica Altenberg. X-runner installs waterless toilets, as well as collects waste from users and settlements. Today, they operate outside Lima, Peru. In 2021, X-runner is planning a name change that did not take place when this catalog was printed.

➔ For many people the toilet is something that is being taken for granted. But there are places where drains and water toilets echo with their absence. In Peru Separett is collaborating with X-runner, that installs waterless toilets where they are needed.

– Because of the intimacy of using a toilet, we are not very good at talking about the widespread, global sanitation challenge, tells the CEO of X-runner Arturo Llaxacondor.

When Arturo shows his face on the screen with quite bad connection it is midday in Peru and their work is in progress despite the times of pandemic.

– We have been adjusting our work to covid and are happy that we can still be running our projects. This proves that our service is still very important even during a pandemic for those that does not have a toilet.

Peru is one of those countries that has been having the hardest restrictions during the pandemic. This resulted in that X-runner was not able to open their customer service and selling programmes until september. Important departments for X-runner that is not a charity business – We are trying to solve the environmental challenges from a market perspective. We are offering a subscriptionbased service that we have been paid for and the price is only 2,5 percent of the users income.

### In need of standardized solutions

The income for X-runners is not enough to be able to cover the overhead costs, this means that external investments and international cooperations is needed. Many toilets are for example coming from companies such as Separett. The cooperation between Separett and X-runner started in 2014.

– We were in need of a partner that could offer a standardized solution and came in contact with the CEO of Separett, Mikael. He became interested in our business and wanted to help people with poor living standards, but also learn more about South America.



Seller Rosa Barrios is following the map in the hunt of potential clients

The client Gloria Canchaya has just received her new toilet solution installed by X-runner. She is one of 3,000 clients that has been receiving the service of X-runners.

Since the start X-runner has had over 3,000 users, taken away 300 tons of waste and received 10 awards.

– The goal for 2021 was to reach over 2,000 households. Here the cooperation with Separett is crucial, this because they are offering toilet solutions for a good price and has the attributes that it takes for us to make a difference. The place in Peru where we are working right now is under a sanitary challenge.

### Waterless toilets are the future

The challenges is not scaring Arturo, he prepares for several more. The existing drain systems together with water toilets are convicted to not be working in the future, says Arturo.

– That type of solution has an expiration date. This because they need water. Water is at the moment a scarce resource. This is something that is becoming very clear right now together with climate changes. We are in need for solutions without water that can take care of the waste for the long run.

# Upgrading your outhouse toilet

Let your old (or new) outhouse loo enter 2021. With small and simple solutions you can easily upgrade the comfort and functions of your toilet. Choose between insulated seats and urine diverting functions to make it more comfortable and nice.

# Upgrading your outhouse

BLUE - Prod. nr 1011-03  
GREY - Art.nr 1265-01

## Privy 500



Separett's urine diverting drytoilets Privy are easily installed in a already existing outhouse loo. Thanks to the urine-separating function the smell and emptying is being minimized.

The Privy can both be delivered in plastic- and styrofoam seat. Urinehose and holepicture is included in price, this to make the installation as simple as possible.

Together with the Privy, the following is also included: a urinehose 2,5 meter, urine diverting insertion, plastic toilet seat (501) or an insulated seat of styrofoam (500) fasteners (woodscrew).



BLUE - Prod. nr 1121-03  
GREY - Prod. nr 1267-01

## Privy 501



Prod. nr 1215-01

## Insulated seat 200

Insulated seat model 200 is an replaceable warming seat that fits all Separett toilets and most other toilets on the market. 3-pcs (3 pairs/package.) Material Alveolit (polyetencellplastic)



GREY - Art. no 1235-01  
BLACK - Art. no 1234-01  
BLUE - Art.nr 1012-03

## Insulated seat 300

Insulated seat model 300 is a replaceable extra robust warming seat that is being placed on the sitting bench in the outhouse toilet. It is 30 mm thick and is available in grey, black and blue, Also fits Privy 500. Material Cellplastic (styrofoam)

Prod. nr 1195-01

# Freeze 2000

- ✓ Only electricity
- ✓ No ventilation or drainage
- ✓ Hygienic, odorless and movable



## No installation requirements

**The toilet Freeze is freezing down the waste.** The cold temperature stops the degradation process and therefore makes the waste odorless. Urine and the dry waste is gathered in a latrine container with handles, which makes the emptying easy. Freeze only needs electricity to be operating.

**Are you looking for a toilet solution that is easy to handle,** moveable and without installation requirements - Separett Freeze is the toilet solution for you.

**When buying Freeze,** 1 latrine container, 10 compostable waste-bags and 1 child seat Sally is included.

## → Information

**Material:** Recyclable ABS. Powder varnished plate.

**Inner container**  
20 litre polypropylene.

Full container about 20 kg.

**Voltage/Wattage:** 230 V/45 W

**Energy consumption:** 0,73 kWh/day

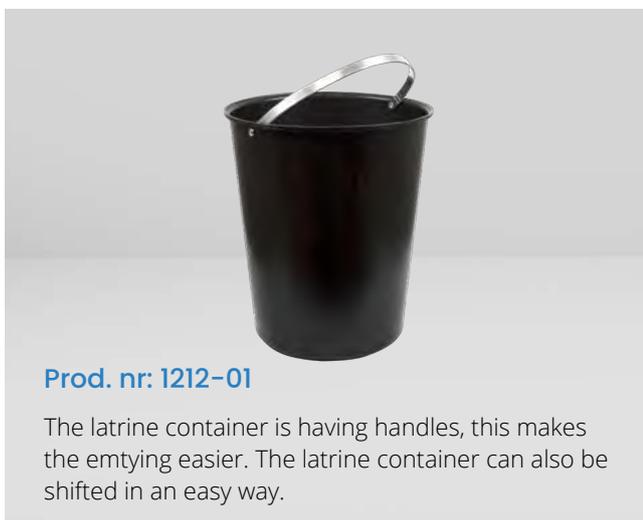
**Electricity connection:** 2,3 m with grounded plug

**Noise level:** Ca 39 dB(A)

**Max weight:** 150 kg

**Sit height:** 48 cm

**Installation & accessories, page 40**



Prod. nr 1264-01

# Pee 1020

✓ A smart, complementary  
urine toilet



## A perfect complement to an incineration toilet

**Separett Pee is an urine toilet** that is adapted for liquid waste, this makes it a good complement if you already have an incinerating toilet. This can contribute to a 80 percent lower energy consumption for your incineration toilet since the urine is the most energy- and time consuming waste to process.

**Pee is also perfect as a night toilet** or in the vacation house. It can easily be connected to the Ejector tank, where the urine can be transformed to plant nutrition.

**Pee 1020 comes with** Instructions for use and installation, 2 m urine pipes Ø32 mm, 2 wall brackets for Ø32 mm urine pipe, 90° pipe for Ø32 mm urine pipe, straight joint for Ø32 mm urine pipe, cover plate for Ø32 mm urine pipe, wall brackets for the toilet, screws for mounting.

## → Information

**Material:** Recycleble ABS, antibacterial. Seat: Polypropylene

**Sit height:** 45 cm

**Connection:** Urine drain: Ø32 mm

[Installation & accesories page 40](#)



**Connect to Ejector tank.** It is easy to connect Separett Pee to the Ejector tank. The pee is being transformed to plant nutrition.

## Easy to use



### Urine bowl

Urinebowl is gathering the urine and leads it to the outflow at the back of the toilet.



### Urine drain

The urine is being led to the basin or the showerdrain, to an infiltration or to a tank.



## Size is the biggest challenge

Separett's smallest product Tiny is released this year. Designed for small areas, it was a great challenge for designers and engineers. "It was very hard for the developing team to find space inside the toilet for every part. A lot of technique on a very small area." says Jyri, Partner and COO at Separett. Read more about Tiny on page 12-13.



## Celebrate the toilet day

The 19th of november every year the toilet day is being celebrated. Separett thinks that this is fantastic. Access to sanitary solutions is part of the human rights, but many people are missing this. The toilet day and the sanitary crises is being paid attention to by the United Nations.

# Contact the municipality

If you thinking about a new toilet solution you should always check with your municipality first. They are in charge for handling latrine waste, urine and urine mixed water. They determine what you are allowed to do. Local restrictions are applied.

Toilet numbers:

**92:**

Amount of days a person is spending on the toilet during a lifetime.

**6:**

tons of poop during a lifetime.

**35:**

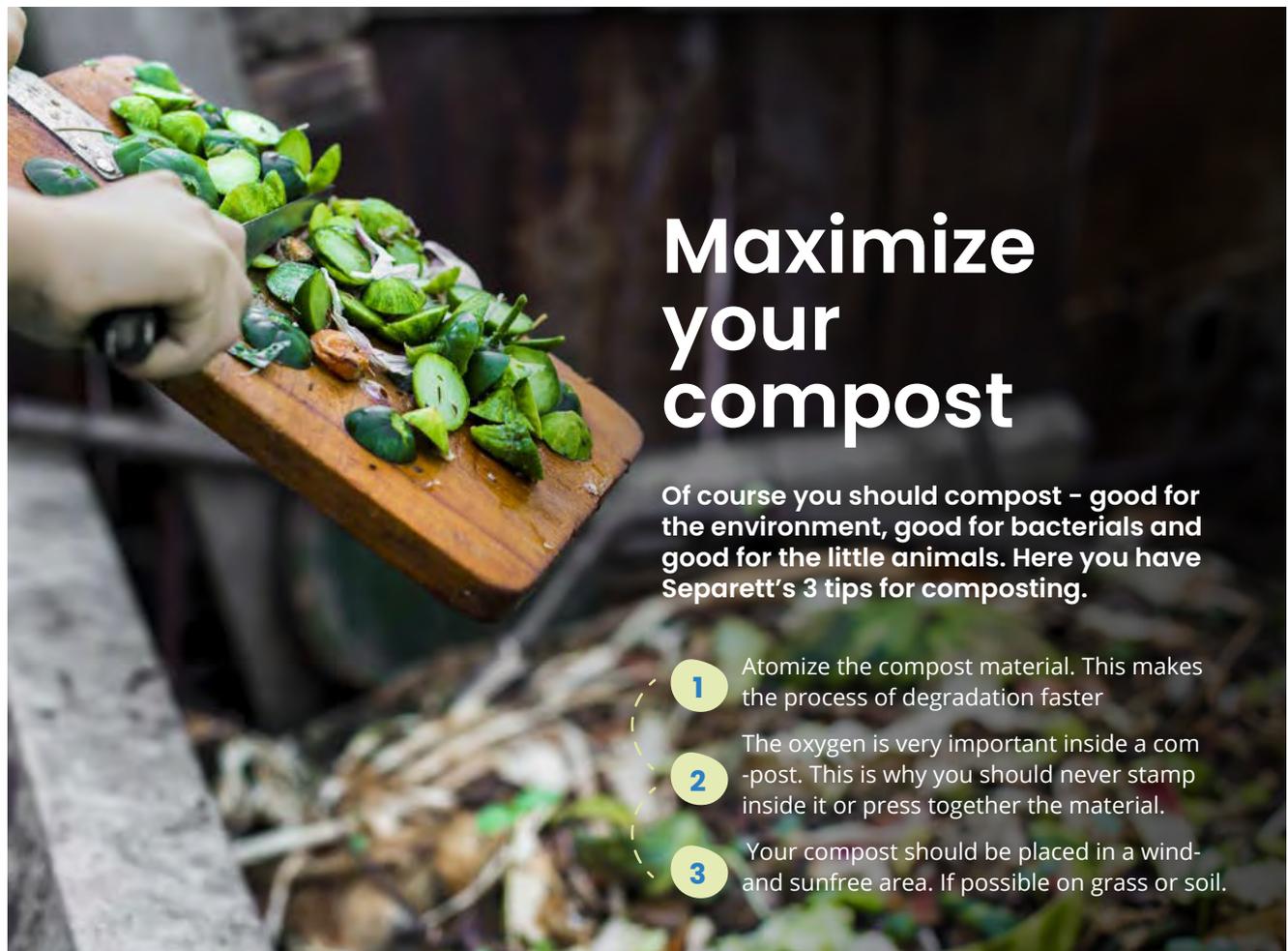
liter of water is the amount of water a water toilet is consuming per person and day.



**3 things you did not know about Lima**

Separett is a proud partner of X-runner, which installs waterless toilets outside of Lima, Peru. Do you have a good knowledge about the South American capital? Here are 3 things you did not know about Lima.

- 1 Lima was founded as early as 1535 by the Spaniard Francisco Pizarro
- 2 The city is the third largest city in North-Central and South America with 9 million inhabitants.
- 3 Lima is the world's second driest capital due of poor urban planning and water scarcity.



**Maximize your compost**

Of course you should compost - good for the environment, good for bacteria and good for the little animals. Here you have Separett's 3 tips for composting.

- 1 Atomize the compost material. This makes the process of degradation faster
- 2 The oxygen is very important inside a compost. This is why you should never stamp inside it or press together the material.
- 3 Your compost should be placed in a wind- and sunfree area. If possible on grass or soil.



# Incinerating toilets Assembly & accessories

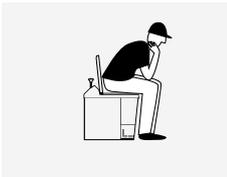
## Incinerating toilets information



### How do I use the toilet?



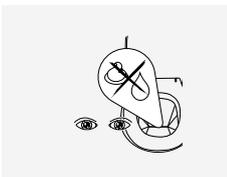
1. A disposable bag is placed in the toilet bowl under the toilet seat.



2. Always use the toilet sitting down



3. Push the flush handle



4. Check that the bag has slid down



5. Initiate an incineration programme.

Find out more on the pages for each incineration toilet

### A toilet solution with ashes as the only waste product

Our incineration toilets are IP rated and approved for installation in bathrooms and other wet rooms. They are designed and optimised for second homes, but also work in permanent residences. They have a waste capacity of up to six people. The incineration time is adapted to the number of visits, to ensure good incineration.

#### How does an incineration toilet work?

Like a household oven with a higher temperature. After the toilet visit, an incineration cycle is started, and the oven is heated to 550 degrees. Then the solid waste is burned, and the urine is evaporated. Only a small amount of ash remains in the ashtray. If no one else visits the toilet, the cooling phase of the oven begins.

#### Does it smell?

No. Almost not at all. The steam and smoke are cleared out by a fan, and transported through an odor-eliminating catalyst before reaching the ventilation pipe. Outdoors, it can smell burnt wood during the incineration process.

#### How long does a complete incineration process take with heating, incineration and cooling?

**The heating phase** takes from 30-60 minutes depending on room temperature and the amount of urine.

**The incineration phase** takes from 15-40 minutes depending on the model and choice of incineration programme.

**The cooling phase** takes around 60 minutes.

Overall, incineration takes from 105-130 minutes. If there are several consecutive toilet visits, time is added for each new initiated incineration process.

#### How do you keep the toilet clean?

Normal cleaning should be done regularly, with a moist cloth and detergent. But do not hose down the inside or outside of the toilet with water, as the incineration chamber and controller card may become damaged. Clean the pitfall (toilet bowl) with detergent for stainless steel surfaces, in order to maintain a membrane that prevents dirt from adhering and enables the bag to slide down easily.

Some maintenance is also required at certain intervals depending on the hours of use. The toilet will indicate when this maintenance is required, for example cleaning the ash pan. The flue pipe at the back of the toilet also needs to be swept. This can be done using a sweeping brush (supplied with the toilet) and a Hoover

#### Service

In order for the incinerator toilet to operate at optimum capacity over time, it requires regular service. Recommended service intervals are once a year for permanent residences and once every two years for second homes. Service must be carried out by a service partner approved by Separett. During service, the toilet is

inspected and thoroughly cleaned. Wear parts are replaced when required, making your toilet as good as new. Regularly servicing the product will ensure that you have a well-functioning toilet for many years to come. When it is time for service, contact your nearest service centre or book a service directly with us. More information about what is included can be found at our website [www.separett.com](http://www.separett.com).

#### Safety

Our incineration toilets have a high level of safety and are equipped with several independent sensors that monitor functionality and temperature. They are also equipped with mechanical safeguards against overheating that can be reset manually if the limit values are exceeded. This ensures safety and convenience. The toilet also has overvoltage protection in case of grid overload or current spikes.

#### Operating costs

In a property with four people, the operating cost is estimated to be between SEK 400 and 600 per month. The operating cost mainly consists of electricity and disposable bags.

When the toilet is not in use, the operating cost is minimal. In the event of a longer absence, over a month, remember to disconnect the toilet from the exhaust pipe, which must be closed. Turn off the power switch and unplug the power cord.

#### Installation

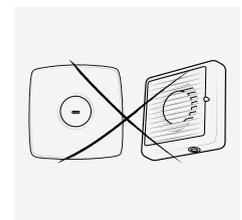
Always check with your local municipality which regulations apply where you live. The incineration toilet needs electricity and supply and exhaust air to function. It does not need a drain, water or a heated space. Always follow the installation instructions. Make sure that the ventilation ducts follow the requirements in each manual. It must be possible to install a fresh air valve on an external wall and they must not have a bathroom fan installed in the same room as the toilet. Always use the included 90 degree long bend when installing. Installation that does not follow instructions can lead to malfunctions, and can affect any warranty issues. We recommend that there is a separate earth fault circuit breaker installed.

#### Alternative installations

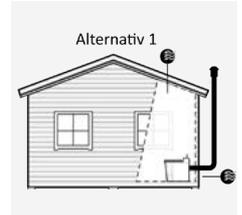
A fresh air vent must be installed on an exterior wall! If it is placed right behind the toilet, below the outlet pipe, the diameter must not be less than 110mm. If it is placed anywhere else on the wall, the diameter must not be less than 160 mm. When installing alternative 1 or 2, the distance between the rear of the toilet and the interior wall must not be less than 100mm. This is to ensure that the switches placed on the back of the toilet are accessible. When installing the toilet in accordance with alternative 3, the use of the 90-degree-angle pipe will increase the distance to around 300mm.

More information on installation, use and maintenance can be found on our website and YouTube channel.

### No external fan in the bathroom



### Options for Installation



# Incinerating toilets Assembly & accessories



Cindi® Family

Prod. nr 1228-01



## User friendly and flexible

**No water or sewage - 230 V - Information via display - Ash as a residual product**

**Cindi gives you the same comfort** as a regular toilet, wherever you are. Thanks to the incineration, ash becomes the only residual product. Via the display, you adjust everything from language to incineration time, and here you get information about when it's time for emptying, cleaning and service.

**Cindi has a capacity** for up to six people and registers the number of visits and adjusts the incineration so that the residual product always becomes ash. Start a programme after each visit, after the bag has slid down properly.

**The following is included with the toilet:** Installation manual, user manual, wall-mounted manual, installation template, child seat Sally, long bend Ø110 mm 90 °, ventilation cowl Ø110 mm 90 °, 500 incineration bags, extra fuses, cleaning brush for smokepipe,

screwdriver

**WARRANTY 3 YEAR** The 3-year warranty does not include wear parts. These have an individual warranty period. Element 1 year, ash pan 2 years, thermo coupling 2 years.

**Material:** Recyclable ABS. White enamelled galvanised plate

**Inner container:** Inner part: Stainless plate. Ash box: Acid-proof plate

**Voltage/Wattage:** 240 V, 1.8 kW 10 amp. fuse

**Energy Consumption:** 0.4-1.7 kWh/visit

**Electricity Connection:** 2.4 m cord with grounded plug

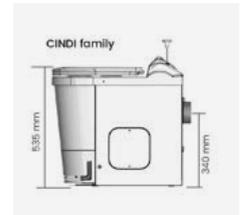
**Noise level fan:** About 55 dB(A)

**Max weight:** 150 kg

**Sit height:** 52 cm

**Connections:** Ventilation out from the toilet: Ø110 mm

Ventilation in to the space where the toilet is installed: Ø110 mm/160 mm depending on the position



Cindi® Basic

Prod. nr 1229-02



## With the single press of a button

**No water or sewage - 230 V - Ash as a residual product**

**Cindi Basic is simple.** With one button, you take care of everything. And via that button, Cindi Basic says everything, and announces its position by lighting or blinking around the button. Through codes on the display on the side of the toilet, you also get information if any action is needed, such as emptying the ashtray, cleaning the smokepipe or error messages.

**Cindi Basic** has a capacity of six people and registers the number of visits and adjusts the incineration so that the residual product always becomes ash. Start the programme after each visit, after the bag has slid down properly.

**The following is included with the toilet:** Installation manual, user manual, wall-mounted manual, installation template, long bend Ø110 mm 90 °, ventilation cowl Ø110 mm 90 °, 100 incineration bags, extra fuses, cleaning brush for smokepipe, screwdriver

**WARRANTY 3 YEAR** The 3-year warranty does not include wear parts. These have an individual warranty period. Element 1 year, ash pan 2 years, thermo coupling 2 years.

**Material:** Recyclable ABS, antibacterial.

**White-coated galvanised plate:** Interior container Interior part: Stainless steel plate

**Ash pan:** Acid-proof plate Voltage/total output 230 V, 1.8 kW. 10-amp fuse

**Energy consumption:** 0.6-2.4 kWh/visit

**Power supply:** 2.4 cord with grounded plug

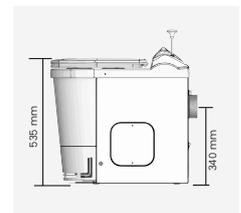
**Noise level fan approx:** 55 dB(A)

**Maximum load:** 150 kg

**Sit height:** 52 cm

**Connections:** Ventilation outlet from the toilet: Ø110 mm

Ventilation inlet to the space where the toilet is located: Ø110 mm/160 mm depending on position



# Incinerating toilets Assembly & accessories



prod. nr 1181-01



**1. Ventilation kit**  
 Ø110 mm, 4 m pipe, 2 wall brackets, 3 connecting pipes straight, 2 connecting pipes 45 degrees, fresh air vent and silicone

prod. nr 1181-01



**2. Supplementary kit**  
 Ø110 mm, 1 m pipe, 1 wall bracket, 1 connecting pipe straight and silicone

prod. nr 1216-01



**3. Pipe 90°**  
 Ø110 mm, for optimum air flow

prod. nr1245-01



**4. Extension fresh air vent**  
 150\*150 mm

prod. nr1193-01



**5. Fresh air vent**  
 150\*150 mm

art.nr 1092-01



**6. Outlet cowl**  
 brick/underfelt Ø75/110mm

prod. nr 1217-01



**7. Vent cap**  
 Ø110 mm, for optimum air flow

prod. nr 1199-01



**8. Cleaning kit**  
 For incineration toilets

prod. nr 1215-01



**9. Heat seat 200**  
 3 pcs. Fits most toilet seats

prod. nr 1118-01



**10. Bio drain cleaner**  
 5pcs. prevents urine deposits in the drain of the Pee 1020 and all urine-separating toilets on the market

prod. nr 1177-01



**11. Bags**  
 500 pcs, to incineration toilets

prod. nr 1218-01



**12. Bag holder**  
 For incineration toilets

prod. nr 1264-01



**13. Pee 1020**  
 Without electricity or flushing,

prod. nr 1154-01 & 1155-01



**14. Sally child seat**  
 To help the little ones use the toilet.

prod. nr 1170-01 & 1169-01



**15. Sally stool**  
 Blue prod. nr 1170-01, Red prod. nr 1169-01

prod. nr 1268-01



**16. Cover plug**  
 For 110 mm pipe, used during long term storage

# Urine diverting toilets Assembly & accessories



## Urine diverting toilets information



### Urine diverting toilets

A urine diverting toilet contributes to our environment. You can easily compost solid waste for a nutrient-rich soil. Fertilize your lawn and plantings with urine. Environmentally friendly and efficient.

Urine diverting toilets work in all environments, and do not require drainage, heated space or water. Empty the latrine container regularly for unlimited use. The toilets are powered by 120, 230v and 12V.

### This is how a urine diverting toilet works

Solid waste is collected in a latrine container in the toilet. When full, lift it out easily. If you use our Roslagen compost, you can compost the solid waste directly.

No latrine compost? Don't worry. Set out the container in the garden, fill with a little topsoil, put the lid on and leave for 1 year. Then you can dig down or compost the waste. If you want to get rid of the solid waste, you can burn it in our Separett Burn (read more on page 18).

Urine is led via a hose to the drain or via infiltration into the ground. You can also use a catchment vessel, if

you want to use the urine as plant nutrients. For example the Separett Ejector Tank, where urine is mixed with water resulting in good nutrition for your garden.

When urine is handled separately, the odor is greatly reduced. The small odor that remains is ventilated out by a quiet, built-in fan. The fan keeps the air moving and contributes to a better indoor climate.

### Which toilet suits you?

A large family needs more capacity than a small one, permanent housing has other needs than leisure housing. Choose a toilet according to your conditions. Thanks to the separation function, the amount of waste is reduced by about 85 percent, which means fewer empties. A holiday home with five people, requires emptying approximately every three to six weeks. Our urine diverting toilet solutions are used all over the world from Greenland, via the Swedish archipelago islands and to the Peruvian mountains. Always equally appreciated.



## Villa® 9000

## Prod. nr 1095-03



### Unlimited usage

#### Odorless - 230 V - Low operating cost - Concealing view screen

A dynamic and carefree ownership awaits you who choose Villa 9000. There are no requirements for room temperature or number of users. Villa 9000 corresponds to a classic toilet in design, quality and convenience - plus you can use the waste as nutrition in your garden. Perfect for permanent and holiday accommodation.

#### Included in delivery with Villa 9000:

User and installation manual, universal adapter, 3 containers, 2 lids, 90 ° bend for Ø 75 mm pipes, ventilation pipes 40 cm Ø 75 mm, ventilation cowl, ventilation grille, insect net for ventilation pipes, cover plate for Ø 75 mm and Ø 32 mm pipes, 2 m urine pipe Ø 32 mm, 90 ° joint Ø 32 mm, straight joint Ø 32 mm, silicone, silicone strip, wall bracket, screws, sample of bioblock, installation dimension sketch.

#### Installation

Separett Villa has no requirement of room temperature and works just as well in both cold and hot spaces. The requirement is that it is possible to lead off the urine and fit a pipe for ventila-

tion. Supplied complete for alternative 1 Villa 9000 can be installed with up to 10 meter ventilation pipe and 4 x 90 ° bends. Ventilation can be through walls or ceiling, for example up in the attic and out through a suitable side of the house. If there is piping for ventilation from a previous toilet installation the toilet can be connected to the duct. Villa 9000 is fitted with a condensation collector and requires no insulation of the ventilation pipe.

**Material:** Recyclable high-polish polypropylene

**Inner container:** 23 liter polypropylene. Full container about 8—10 kg

**Voltage/Wattage:** 12 V/2.5 W/210 mA

**Energy consumption:** 0.396/0,276 kWh/day

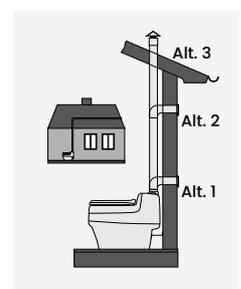
**Electricity Connection:** 1,7m grounded plug

**Noiselevel:** 41/31 dB(A)

**Max weight:** 150 kg

**Sit height:** 42 cm

**Connections:** Ventilation out: Ø75 mm. Urine run-off: Ø32 mm.

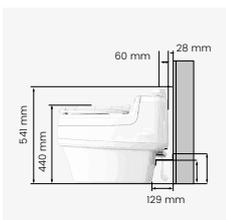


# Urine diverting toilets Assembly & accessories



Villa® 9010

Prod. nr 1067-03



## Quiet and odorless

### 230 V or 12 V operation - Unlimited capacity - Very low noise level

Separett Villa 9010 is a urine diverting toilet which, with its simplicity and unlimited capacity, offers a comfortable toilet visit. With the renewed (2020) strong 12V fan, the toilet can handle installations up to 6 meters long and with up to 3 90° curves. The toilet can be operated with 230V mains power or with 12V solar cell / battery power. Adapter for both options is included with the toilet. The fan (2.5 W, 210 mA) has very low energy consumption and is therefore suitable for battery or solar cell operation as well. For battery operation (12 V, 100 Ah), the operating time of the fan is approximately two weeks. The battery is not included.

#### This is included in delivery:

User and installation manual, universal adapter, battery cables, 3 containers, 2 lids, 90° bend for Ø 75 mm pipes, ventilation pipes 40 cm Ø 75 mm, ventilation cowl, ventilation grille, insect net for ventilation pipes, cover plate for Ø 75 mm and Ø 32 mm pipes, 2 m urine pipe Ø 32 mm, 90° joint tube Ø 32 mm, straight joint tube Ø 32 mm, silicone,

silicone strip, wall bracket, screws, product sample of bioblock, installation dimension sketch.

#### Installation

Separett Villa has no requirement of room temperature and works just as well in both cold and hot spaces. The requirement is that it is possible to lead off the urine and fit a pipe for ventilation. For Villa 9010 with a 12V fan, we recommend a maximum of two 90° connector pipes and four meters ventilation pipes.

**Material:** Recyclable high-polish polypropylene

**Inner container:** 23 liter polypropylene. Full container about 8–10 kg

**Voltage/Wattage:** 12 V/2.5 W/210 mA

**Energy consumption:** 0.396/0,276 kWh/day

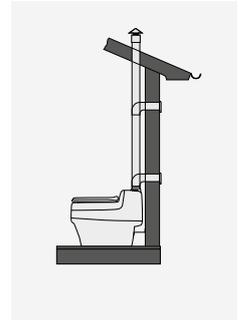
**Electricity Connection:** Battery cable 1.9m alt. network adaptor 12/230V

**Noiselevel:** <30 dB(A)

**Max weight:** 150 kg

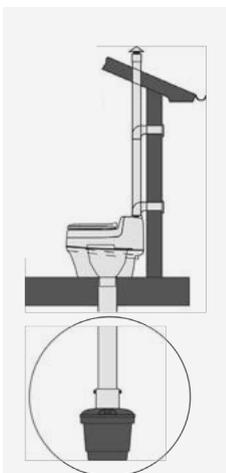
**Sit height:** 42 cm

**Connections:** Ventilation out: Ø75 mm. Urine run-off: Ø32 mm.



Villa® 9020

Prod. nr 1191-01



Accessorie kit  
Prod.no 1227-0  
(not included)

## Fewer emptyings with an external waste container

### Odorless - 12 V/230 V - Concealing view screen - Low operating cost External waste collection

Separett Villa 9020 is a urine separating toilet that requires a solid waste container beneath the floor (not included). The container must be reachable from the outside. It is suitable for anyone looking for a simple and user friendly solution for your cabin, cottage or tiny house.

The choice of external container may increase the time between depletion of container tenfold compared to a regular Villa with internal waste container. Our external solid waste collection kit (art.no 1227-01) is available. The Villa 9020 is supplied with a 12-V fan making it suitable for battery and/or solar power.

#### This is included in delivery:

User- and installation manual, universal adapter, battery cables, funnel, 90° bend for Ø 75 mm pipes, ventilation pipes 40 cm Ø 75 mm, ventilation cowl, ventilation grille, insect net for

ventilation pipes, cover plate for Ø 75 mm and Ø 32 mm pipes, 2 m white urine pipes Ø 32 mm, 90° joint pipe Ø 32 mm, straight joint pipe Ø 32 mm, silicone, silicone strip, wall bracket, screws, sample of bio drain cleaner, installation dimension sketch.

#### Installation

Ventilation piping is installed in the same way as for Villa 9010. Villa 9020 also requires, a hole through the floor in order to lead the solid waste to the collection vessel. (not included).

**Material:** Recyclable high-polish polypropylene.

**Voltage/Wattage:** 230 V/60 W

**Energy Consumption:** 0.396/0.276 kWh/day

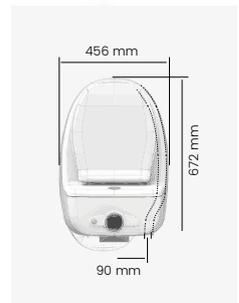
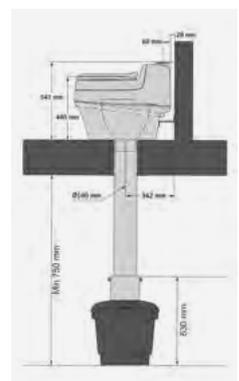
**Electricity Connection:** Battery cable 1.9 m alt. network adaptor 12/230V

**Noise level fan:** <30 dB(A)

**Max weight:** 150 kg

**Sit height:** 42 cm

**Connections:** Ventilation out: Ø75 mm. Urine run-off: Ø32 mm





# Urine diverting toilets Assembly & accessories

## Tiny® with Urine container

Art. No 1270-01



Separett Tiny is a urine diverting toilet developed especially for Tiny Homes and other smaller spaces such as motor-homes, caravans, boats, hunting lodges, etc. The only thing needed is 12 V or 110-240 V power and a 50 mm pipe out of the toilet for ventilation.

**The toilet optimised for small spaces!**

Tiny is Separett's latest addition to the family of urine diverting toilets. With a smaller, smoother design and lessons learned from several decades, Tiny has led to the development of a modern urine diverting toilet that is specially designed to fit smaller spaces with limited space.

**Closed system**

Containers for both urine and the solid waste means that the only thing that comes out of toilet is air from the 50mm ventilation pipe that is pulled out of the toilet space. If the toilet is used in permanent housing by 2 people, you need to empty the container for the solid waste once a week and the urine tank 2-3 times a week. The urine tank is equipped with a sensor and the Separett-logo on the toilet lights up red when it is time to empty the urine container.

**Hygienic and odorless**

Separett Tiny has high operational reliability and is easy to install. The fan ex-

hales the small odor that is formed despite urine separation and also contributes to a better indoor climate by constantly keeping the air in the space in motion.

**When buying Tiny with a urine tank, this is included:**

Instructions for use, Installation manual, Battery cables for 12 V use, Universal adapter for 110-240 V use, 1 x latrine container with lid, 1 x urine tank, Ø 50 mm ventilation pipe 40 cm, Adapter Ø 50 mm - 1 ½", Ventilation grille with insect net, Ventilation cowl, Holder for drain cleaning tablet, Silicone for sealing, Installation sketch, Screws for wall / floor, 10 compostable bags, Drain cleaning sample, Absorb pad sample, Filter for ventilation pipes

**Material:** Recyclable high-gloss polypropylene

**Inner container solid waste:** 14,5 L polypropylene

**Urine container:** 7,1 L polypropylene

**Voltage/Wattage:** 12 V/1.6 W

**Energy Consumption:** 0.04 kWh/day

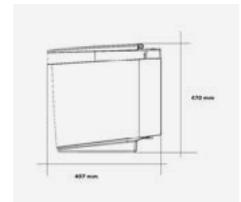
**Electricity Connection:** 1.55m alt. network adapter 110/230V-12V

**Noise level fan:** <30 dB(A)

**Max weight:** 150 kg

**Sit height:** 44 - 45 cm

**Connections:** Ventilation out: Ø 50 mm.



## Tiny® with Urine tube

Art. No 1271-01



Separett Tiny is a urine diverting toilet developed especially for Tiny Homes and other smaller spaces such as motor-homes, caravans, boats, hunting lodges, etc. The only thing needed is 12 V or 110-240 V power and a 50 mm pipe out of the toilet for ventilation.

**The toilet optimised for small spaces!**

Tiny is Separett's latest addition to the family of urine diverting toilets. With a smaller, smoother design and lessons learned from several decades, Tiny has led to the development of a modern urine diverting toilet that is specially designed to fit smaller spaces with limited space.

**High capacity**

Thanks to the urine separation, both the smell and the volume of the waste that must be disposed of are reduced. This model of Tiny is installed with a ventilation pipe that is pulled out of the toilet space and a urine hose from a 32mm pipe in the back of the toilet. If the toilet is being used in a permanent home of 2 people, the solid waste container needs to be emptied once per week. Urine is led to an external container which is emptied when needed.

**Hygienic and odorless**

Separett Tiny has high operational reliability and is easy to install. The fan exhales the small odor that is formed despite urine separation and also

contributes to a better indoor climate by constantly keeping the air in the space in motion.

**When buying Tiny with a urine tube, this is included:**

Instructions for use, Installation manual, Battery cables for 12 V use, Universal adapter for 110-240 V use, 1 x latrine container with lid, Internal urethra, Ø 32 mm urethra 2 m, Ø 32 mm splice tube straight, Ø 32 mm splice tube 90 degrees, Cover plate for wall bushing Ø 32 mm, 2 x wall brackets for urine pipe, Ø 50 mm ventilation tube 40 cm, Adapter Ø 50 mm - 1 ½", Ventilation grille with insect net, Ventilation cowl, Holder for drain cleaning tablet, Silicone for sealing, Installation sketch, Screws for wall / floor, 10 compostable bags, Bio drain cleaner sample, Absorb pad sample, Filter for ventilation pipes

**Material:** Recyclable high-gloss polypropylene

**Inner container solid waste:** 14,5L polypropylene

**Voltage/Wattage:** 12 V/1.6 W

**Energy Consumption:** 0.04 kWh/day

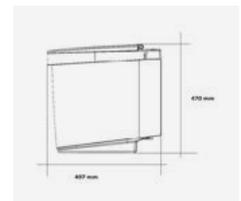
**Electricity Connection:** 1.55m alt. network adapter 110/230V-12V

**Noise level fan:** <30 dB(A)

**Max weight:** 150 kg

**Sit height:** 44 - 45 cm

**Connections:** Ventilation out: Ø 50 mm. Urine run-off: Ø32 mm

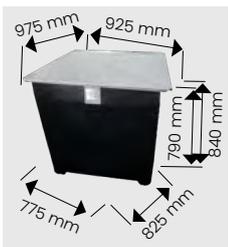


# Urine diverting toilets Assembly & accessories



## Roslag compost

Prod. nr 30010



### Joint composting of household & latrine waste

The Roslag compost is a latrine compost with a secure cover that is suitable for the joint composting of household and latrine waste at second home properties. With two containers of 500 liters each one can handle a large volume as they are used alternately. The compost is ventilated on both sides. For joint composting of household waste and latrine waste where there is year-round residence Roslag compost deals with waste for up to five people. As latrine waste contains limited amounts of nutritional substances the composting time is longer, between 12-24 months, depending on the climate. Hence we recommend 2 containers with alternate filling/composting. This is included in delivery: 1 x 500 l compost, 1 lid.

#### Installation

Place the compost containers on a flat surface. Preferably in the shadow and in the most secluded spot on the site possible.

**Material:** Recyclable impact-resistant polyethylene. Cover galvanised plate

**Inner containers:** 1 x 500 litre. Full compost about 750 kg

## Burn

Prod. nr 1197-01

### Burning the dry waste

Separett Burn burns dry waste from urine-separating toilets. The waste bag is placed inside the oven, and burned with wood. Only ash remains.

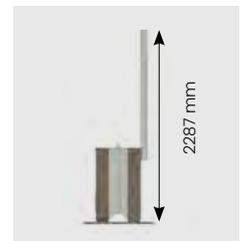
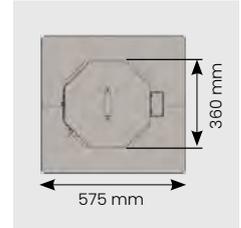
The amount of wood controls the effect of the combustion, normally about 2 kg of wood is used.

Separett Burn works in all temperatures. It is made of corten plate and gets a brown, rust-protective surface over time. Use Burn outdoors, and leave it under cover when not in use.

#### Installation

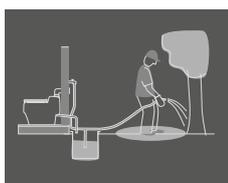
Place Burn is on a flat, stable surface when used. Remember to only use Burn in open spaces and consider the wind direction when you use it.

**Material** Unvarnished Corten plate



## Ejector tank

Prod. nr 1013-03



### Organic plant nutrition - Easy handling of the urine

The volume of 50 liters is sufficient for a second home with spreading every second or third week. A float shows when the tank is full. Separett Ejector tank is easy to fit and has no moveable parts. In order for it to work optimally it needs access to water with a pressure of at least 2.5 bar (250 kPa). If you have access to greater water pressure then you can manage with greater differences in height between the spray mouthpiece and the tank.

This is included in delivery: Container 50 l, lid ejector 8:1, float, hose 10 m 3/4" with 50 cm nozzle (extendable to max 20 m).

#### Installation

Ejector tank is connected to a 1/2" garden hose and can best be buried a little. Bear in mind that the Ejector tank must be positioned lower than the toilet to which it is connected. The connecting hose should have an incline of at least 1 cm per metre in order to ensure gravity feed.

**Connections:** Urine run-off in: Ø32 mm. Watering nozzle: Quick connection.

**Material:** Recyclable polypropylene  
**Container:** 50 liter polypropylene. Full container about 45 kg

## Rescue camping 25

Prod. nr 1165-01

### Mobie comfort

#### Suitable for all occasions

Rescue camping is a portable, urine-separating toilet for those wanting to get more out of their open-air life or to make life easier on the allotment.

The toilet is easy to fit and is portable, thanks to its unique design. The dry waste is collected in a compostable latrine sack. The urine can either be emptied out onto the ground or collected in an external container (e.g. a PET bottle) to be dealt with later on. This is included in delivery: Bag, leg stand, urine hose, seat, cover, 10 compostable waste bags

#### COMBINE WITH A URINE-SEPARATING CHILD SEAT

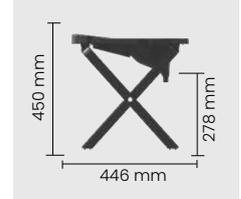
Separett urine-separating child seat makes Rescue Camping a dear companion on excursions with the children.

**Material:** Recyclable polypropylene

**Inner container:** Bag 27 litre. Full bag c. 9-11 kg

**Max weight:** 150kg

**Sit height:** 450mm



# Urine diverting toilets Assembly & accessories



## Privy 501 & 500



BLUE - Prod. nr 1011-03



GREY - Prod. nr 1265-01

### Upgrade your outdoor loo

Separett Privy is a urine-separating set that can easily be fitted in to an existing outdoor loo. It provides easier handling of residual waste and it makes it fresh and clean. Thanks to the urine-separating all the smells practically disappear, the waste becomes appreciably smaller and the number of times it is emptied is fewer.

Separett Privy comes in two versions, either with a plastic seat or with a styrofoam seat. Both models are supplied with a hose for the urine as well as a hole pattern for simple installation in an existing loo.

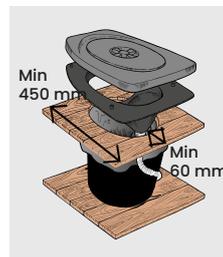
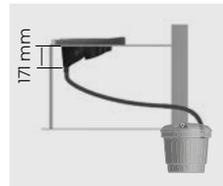
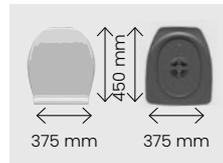
#### Installation

Privy 500 and 501 are easy to install. Use the supplied hole pattern in order to saw the bench up and then fit the set with the help of the supplied wood screws. With new constructions we recommend a seat height of about 42 cm.

**Connections:** Urine drain: Ø32 mm

**Material Privy 501:** Recyclable high-polish polypropylene. Seat: polypropylene

**Material Privy 500:** Recyclable high-polish polypropylene. Seat: Cellular plastic (Styrofoam)



BLUE - Prod. nr 1121-03



GREY - Prod. nr 1267-01

## Insulated seat 200

## Prod. nr 1215-01



Model 200 is a replaceable insulated seat that is suited to all the Separett toilet seats and to many other toilet seats on the market. 3-pack. (3 pairs/pack.)

**Material:** Alveolite (polyethylene cell plastic)

## Insulated seat 300



GREY - Prod. nr 1235-01



BLACK - Prod. nr 1234-01

Model 500 is a replaceable extra strong insulated seat that is placed on the sitting bench in the outdoor loo. 30 mm thick. Available in colors grey, black and blue. Also suitable for Privy 500.

**Material:** Cellular plastic (Styrofoam)



BLUE - Prod. nr 1012-03

# Urine diverting toilets Assembly & accessories



prod. nr 1021-01



**1. Connecting pipe**  
90°, Ø75 mm

prod. nr 1023-01



**2. Connecting pipe**  
Straight, Ø75 mm

prod. nr 1027-01



**3. Cover plate**  
Ø75 mm

prod. nr 1030-01



**4. Vent cap**  
Ø75 mm

prod. nr 1020-03



**5. Ventilation pipe**  
2x1 m, Ø75 mm, incl. 1 straight connecting pipe, braces and spacer

prod. nr 1025-01



**6. Joint sealant**  
ventilation pipe Ø110-75 mm

prod. nr 1024-01



**7. Joint sealant**  
ventilation pipe Ø75-55 mm

prod. nr 1092-01



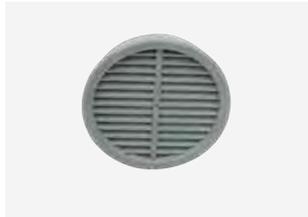
**8. Outlet cowl**  
Ø75/110 mm, for secure roof ducting

prod. nr 1032-02



**9. Urine drainage kit**  
Ø40-32 mm

prod. nr 1026-02



**10. Cover plate**  
Ø75 mm

prod. nr 1035-01



**11. Latrine container with lid**  
28.5 litres, fits Separett models 4000-6200 and Weekend

prod. nr 1212-01



**12. Replacement container with handle**  
For Freeze

prod. nr 60415



**13. Latrine receptacle with lid**  
35 litres, fits Sanitoa

prod. nr 1192-01



**14. Latrine container with lid**  
Ca 50 liter, passar till Villa 9020

prod. nr 1098-02



**15. Latrine container with lid**  
23 litres, fits Villa 9000 och Villa 9010

prod. nr 1215-01



**16. Insulated seat 200**  
pack of three (3 pairs per packet), fits most toilet seats

# Urine diverting toilets Assembly & accessories



prod. nr 1060-01



**17. Insulated seat 300**  
prod. no 1235-01, 1234-01, and 1012-03 extra strong. To be placed on the seat in the outdoor toilet



**18. Absorb**  
binds excess fluid and minimises the risk of odour

prod. nr 1126-01



**19. Waste bag**  
For containers up to 35 litres

prod. nr 1118-01



**20. Bio drain cleaner**  
Pack of 5, prevents deposits in the urine drain

prod. nr 1127-02



**21. Compostable waste bag**  
For containers up to 35 litres

prod. nr 1037-01



**22. Waste bag**  
For containers up to 50 litres

prod. nr 1198-01



**23. Cleaning kit**  
Specially developed for urine-separating toilets

prod. nr 1101-01



**24. Child seat**  
Urine diverting

prod. nr 1155-01



**25. Stool Sally**  
Blue prod. nr 1170-01, Red prod. nr 1169-01



**26. Child seat Sally**  
Red

prod. nr 1227-01



**27. Accessory kit for Villa 9020**  
External collection system

prod. nr 30010



**28. Roslag compost**  
Latrine compost, 1x500 litres, for composting dry waste

prod. nr 1197-01



**29. Burn 900**  
Incinerates dry waste

prod. nr 1013-03



**30. Ejector tank**  
50 litres with a 10-metre hose

# Urine toilet & freeze toilet



## Freeze 2000

Prod. nr 1195-01



### Freezing and moveable

Separett Freeze is a freezer toilet suitable for whoever wants a toilet solution that doesn't require any fixed installation. It only needs a power point in order to work and can easily be moved around as required. Neither run-off nor ventilation is required.

Freeze functions like a freezer. After use the waste is frozen and becomes odourless. You don't require either a run-off or ventilation. The inner container that can be covered with our compostable latrine bag, and emptied into a latrine compost when full.

Freeze is well suited both as a temporary toilet solution, with different kinds of bathroom renovations and as a permanent toilet solution primarily in second homes. It can also be used as an extra toilet or night toilet.

This is included in deliver: 1 waste container, 10 compostable waste bags, 1 child seat Sally.

#### Information

**Material:** Recyclable ABS. Powder varnished plate.

**Inner container:** 20 litre polypropylene. Full container about 20 kg

**Voltage/Wattage:** 230 V/45 W

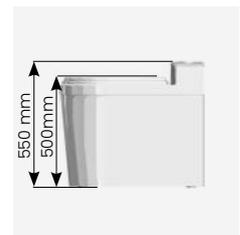
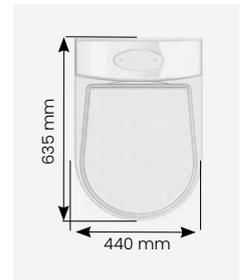
**Energy Consumption:** 0,73 kWh/day

**Electricity Connection:** 2.3 m cord with grounded plug

**Noise level fan:** Ca 39 dB(A)

**Max weight:** 150 kg

**Sit height:** 48 cm



## Pee 1020

Prod. nr 1264-01



### The perfect complement

Separett Pee is a urine toilet that only handles the wet waste. If you have an incineration toilet, Pee is a good supplement since the urine takes the longest time to incinerate you raise the capacity of the incineration toilet at the same time as lowering the energy consumption and reducing the electricity costs. You can lower the incineration toilet's energy consumption by up to 80 percent.

Suitable for those who have an incineration toilet but also as a night toilet or as an extra toilet

Pee 1020 delivery includes:

Instructions for use and installation, 2 m urine pipes Ø32 mm, 2 wall brackets for Ø32 mm urine pipe, 90° pipe for Ø32 mm urine pipe, straight joint for Ø32 mm urine pipe, cover plate for Ø32 mm urine pipe, wall brackets for the toilet, screws for mounting.

#### Installation

Pee 1020 needs only to be connected to a collection container for urine. This can mean that a hole needs to be drilled into the wall in order to lead off the wet waste.

#### Information

**Material Toilet:** Recyclable ABS, anti-bacterial Seat: Polypropylene

**Sit height:** 45 cm

**Connections Pee 1020:** Urine drain: Ø32 mm



# FAQ's

## Have this in mind if you want to buy a new toilet solution

There are some things to keep in mind when choosing a toilet solution. But you can relax, At Separett we keep track of the situation and guide you quickly through the world of waterless toilets.

### Municipal regulations

It is the municipality's environmental committee that decides what is permissible. When the municipality assesses your application for installing a new toilet solution, they must ensure that the solution:

- will meet the applicable level of protection for the location.
- is designed for five permanent residents, even if it is a second home.
- must be supplemented by some form of treatment of your domestic waste water (greywater).

The municipality's regulations are there to reduce the spread of bacteria. Therefore, there is a requirement that the waste must not be spread out until at least 12 months after the last filling took place. Always contact your local municipality to find out what rules apply where you live.

### Available space/the plot's suitability for infiltration

If there is space below or a few metres away from the toilet, there are more potential solutions. Therefore, when a building is being constructed or remodelled, it is important to decide early on which solution to use.

The space under the floor can be used as a digestion chamber or for collecting the waste in a latrine barrel for outdoor latrine composting. Make sure that there is sufficient space for the solution you choose. Where urine infiltration is permitted, factors such as the ground's suitability for infiltration, as well as the distance to surface water, potable water reservoirs and site boundaries, are all essential. Determining the suitability of the ground and the distance to groundwater frequently requires the digging of soil pits.

### Comfort, management and cost

Do you require high comfort? Or are you happy with simpler options? How much do you want to spend on waste management? Think about what is important to you. The higher the comfort and the higher the degree of automatic waste management, the higher the price (both for purchase and operation) and vice versa.

## Incineration toilets

### 1. How does an incineration toilet work?

Simply described, the toilet works like a small household oven, but with a higher working temperature. When a visit is completed and an incineration cycle is started, the oven is heated up to approximately 550 ° C. Then the solid waste is burned up and the urine evaporates - only a small amount of ash is then left in the ashtray. Assuming that no one else has visited the toilet in the meantime, a cooling phase is now starting to cool down the oven.

### 2. How do I use the toilet?

- A disposable bag is placed in the toilet bowl under the toilet seat.
- Always sit down when using the toilet, and then push down the spool handle so that the bag slides down into the combustion chamber.
- Then start a program.

### 3. How much energy does Separett's incineration toilets consume?

- Cindi family consumes between 0.15-1.7 kWh / visit, which corresponds to SEK 0.15 - SEK 1.70 / visit with a calculated electricity price of SEK 1 / kWh.
- CINDI Basic consumes between 0.6-2.4 kWh / visit, which corresponds to SEK 0.60 - SEK 2.40 / visit with a calculated electricity price of SEK 1 / kWh. Average approx. 1.5-2.0 SEK per visit with bag included

### 4. Do I need permission to install an incineration toilet?

If you are considering buying an incineration toilet, you should first check the regulations that apply in the municipality where you intend to install your toilet. The regulations vary between different municipalities.

## Urine diverting toilets

### 1. How does a urine diverting toilet work?

A urine diverting toilet separates urine and solid waste and is equipped with a fan that draws out moisture and air ~ which makes it completely odorless in the space where the toilet is located. The urine is led out to a collection vessel or infiltration while the solid waste ends up in a compostable biosack made of corn starch which can then be composted.

### 2. Where does the urine go?

The urine is led out via a urine hose to, for example, an infiltration into the ground, BDT drain or a collection vessel. We recommend connecting an Ejector tank where the urine is automatically diluted with water to the right mixture, eight parts water and one part urine, so that plants can absorb the nutrients without being harmed. Then the urine, which contains most of our useful waste, can easily be spread at a discount. When you use the Ejector Tank, you never come into "contact" with the urine and do not need to transport or carry it ~ just connect the garden hose and water. NOTE! Always check what applies in your municipality.

### 3. How do I handle the solid waste?

The solid waste, poop and toilet paper, ends up in a container lined with a latrine bag and can either ...

... Burn up and turn to ashes with Separett Burn

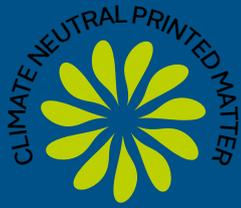
... Stand in a suitable place outdoors (with soil in the top of the container and lid on) for 12 months and then bury or compost in ordinary compost

... Composted directly in Separett Roslagskompost. The Roslag compost meets the requirements for latrine composting, which means that you can co-compost both household waste and toilet waste in it.

NOTE! Always check what applies in your municipality.

## Warranty

Prod. nr	Product	Warranty
1013-03	Ejector tank 50l with 10m hose	3 years
1067-03	Separett Villa 9010 urine diverting 12V	5 years. Does not include the fan which has a warranty of 3 years
1095-03	Separett Villa 9000 urine diverting 230V	5 years. Does not include the fan which has a warranty of 3 years
1176-01	Varm compost Separettkompen isolated 250l	10 years
1191-01	Separett Villa 9020 urinseparatorande 12/230V	5 years. Does not include the fan which has a warranty of 3 years
1195-01	Separett Freeze 2000 frystoalett 230V	3 years
1270-01	Separett Tiny with urine container, urine diverting	5 years
1271-01	Separett Tiny with urine tube, urine diverting	5 years
1228-01	Incineration toilet Separett Cindi Family 240V	3 years. Does not include wear parts. These have their own warranty time: Element 1 year, ash tray 2 years, thermocoupling 2 years
1229-02	Incineration toilet Separett Cindi Basic 240 V - 2020	3 years. Does not include wear parts. These have their own warranty time: Element 1 year, ash tray 2 years, thermocoupling 2 years
1264-01	Separett Pee 1020 urine toilet	3 years
30010	Roslag compost incl. lid, 500l	3 years
1197-01	Burn 900	2 years



ClimateCalc CC-000084/FI  
PunaMusta Magazine

Separett® AB 2021

# Separett®

*Waterless toilets*



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