

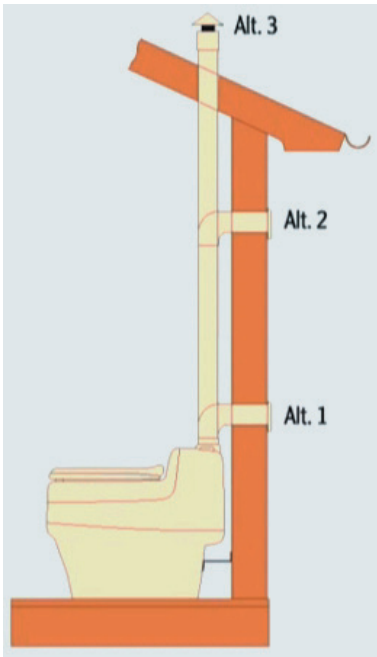
Act ecologically:

The SEPARETT Villa Separation Toilet

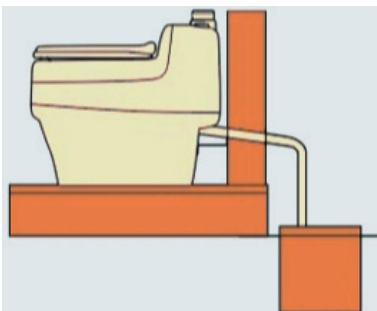
The biological dry toilet with urine separation for allotments and weekend houses, mobile homes et al.



- offers elegant design and the same comfort as a WC
- equipped with automatic screen
- needs no chemicals, water or additives
- produces hygienic conditions by separate collection of solid and liquid excreta
- offers large capacity by interchangeable bins
- ensures smell trap by small fan operation
- fan can be powered by 230V and by 12V
- is simple to handle, to clean and to maintain



positioning and vent pipe installation



urine discharge into outside collection tank



automatic screen opens by pressure

The SEPRETT Villa Separation Toilet

The SEPRETT Villa separation toilet needs no water, chemicals or additives. By separating urine, the capacity for collecting solids (faeces, tissue paper) increases. Urine is germ-free, provided that human kidneys function well. It is rich in plant nutrients such as nitrogen and phosphorus. In particular, this toilet is equipped with a screen that opens by pressure while seated to avoid looking into the solid waste container.

1. Function

There is a separating part integrated into the opening of the toilet body, which diverts the urine and pipes it into a canister or ejector tank by gravity. The collected urine can be added to the garden compost as an additive (e.g. leaves compost) or can be used as a liquid fertilizer (e.g. on lawns, dilution with water 1:10, 1 L urine water/m²). Near-surface grown agricultural crops should not be fertilized with urine for hygienic reasons. The solids are collected in a bin within the toilet housing. If the bin is filled, the upper part of the toilet housing can be lifted to close the bin with a cover before taking it out. Toilet operation is not interrupted by replacing another bin, while the filled one can be stored until being emptied into a composting bin outside. After one year of composting at least, the content is ready to be used for ornamental plants.

2. Range of applications

The SEPRETT Villa separation toilet is suitable for allotments and holiday houses as well as in any other scope of private application, when there is no sewer or waste water treatment. The only practical condition is a facility for composting or disposal for the urine and the solids.

3. Structural conditions

The SEPRETT Villa separating toilet is equipped with a fan and a connection for a vent pipe that provides a safe trap by negative pressure. The vent pipe can be directed outside through the back or side wall or straight upwards through the roof. In case of pipe turnarounds 2 x 45°-bows should be preferred to one 90°-bow to support ventilation draught. The urine pipe needs a constant 2% slope at least without any trap in-between. Electricity is needed for operating model 9000/ 230V or model 9010/12V. The odour trap of the non electric model (9020) can be enforced by a wind-driven fan (Savonius e.g.).

4. Maintenance and operation

In order to keep the bin clean, biodegradable bags made from corn can be used. They will rot in a composting bin within 6 months and can be ordered additionally at any time. For safe operation, the levels of the urine and faeces container should be checked regularly. Collection, treatment and application of urine and compost must be well operated.

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Measurements:	46 cm wide, 70 cm deep, 57 cm high, seat height 44 cm
Supply:	230V/16W or 11W (Villa 9000), 12V/2,5W (Villa 9010)
Ventilation pipe:	75 mm outer diameter
Urine pipe connection:	25 mm diameter/ 1" inner diameter
Material:	frost-proof polypropylene plastic
Guarantee:	5 years