

Installation guide —
times indicative



10:30
Hole dug and concrete placed



12:30
Chamber and soakaway installed
and connected up



14:30
Floor down and walls going up



16:30
Secure and weather tight ready
for finishing touches and fit out in
the morning

Installation

We do not carry out the installation ourselves so our prices do not include this. Contractors with previous experience can typically install a full access toilet and standard steel or timber building in a day. We provide full installation instructions and technical assistance during installation on the phone by arrangement. On-site supervision is available at additional cost.

Included:

- Assistance with planning and building control applications including liason with local authority departments if required. In many cases formal planning consent and building control approval are not required but it is your responsibility to check.
- Assistance with design of bespoke projects.
- Our standard kits are supplied with everything you need including a roll of toilet paper!

For accessible toilets on public sites you may be eligible for VAT exemption — please see our notes or contact us.

Contact us

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About us

Based in Llanidloes, Mid Wales, NatSol Ltd was started by Andy Warren and Nick Grant in 2005. Nick and Andy have a combined experience of over 40 years in designing and installing composting toilets. Both have long established links with The Centre for Alternative Technology where many compost toilets, including their own, have been tested to destruction since 1973.

We will not willingly sell you a product unless we believe that it is the best solution for your situation based on the information we receive.

Our toilets systems are designed and built in the UK. The buildings are manufactured in Llanidloes using local and responsibly sourced timber.

NatSol the
compost toilet
specialists

We offer a range of water-free, odourless toilet systems for use on sites without mains services. Our toilets are ideal for:

allotments • churches • nature reserves • orchards •
campsites • fishing lakes • golf courses • bowling
greens • private gardens • summerhouses • forestry •
transmitter masts • reservoirs • remote industrial sites

No water

No power

No smells

No chemicals

No fuss

Our products

Full access toilet

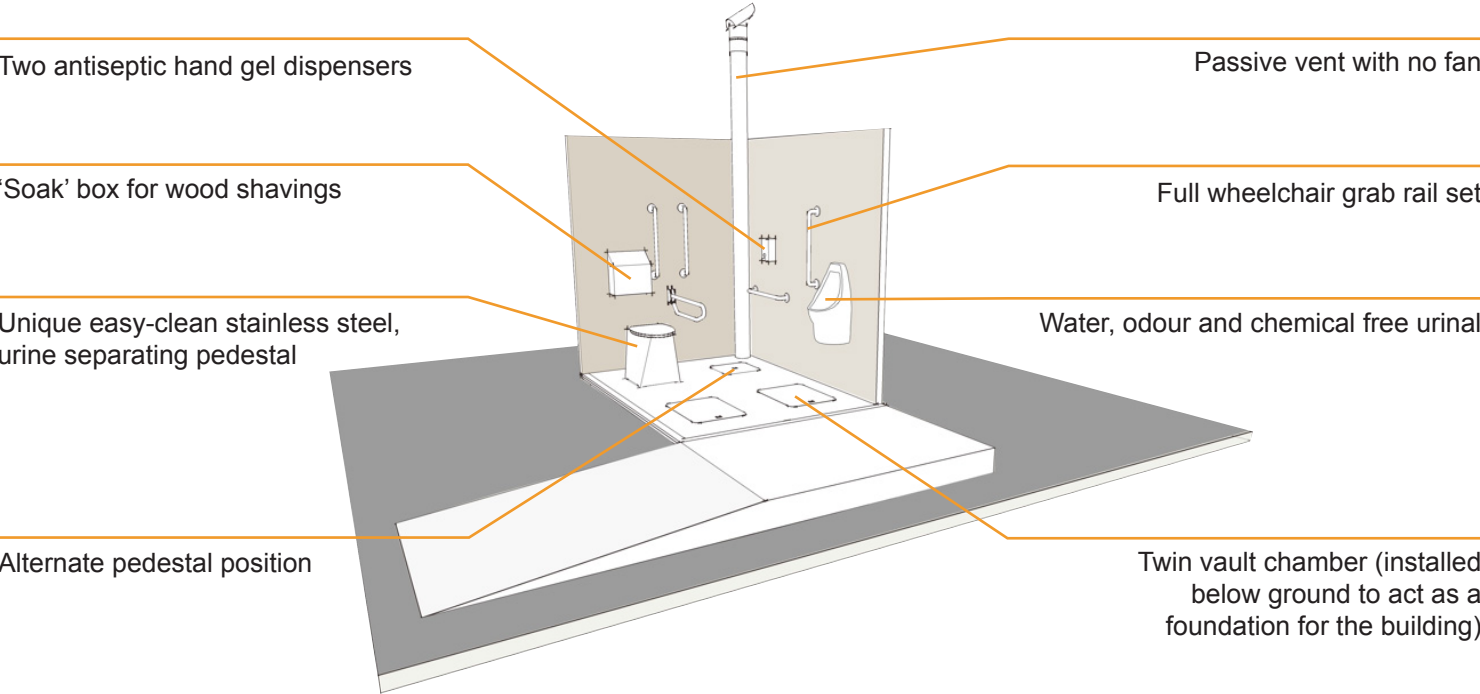
This wheelchair accessible toilet requires no mains connections and is odour free under normal operation. Our toilets are manufactured in the UK and specifically designed for our climate with no reliance on sun. The rodent proof vaults are manufactured from glass reinforced cement with an 80 year design life, the pedestal is stainless steel and the waterless urinal is ceramic with no cartridges or blocks required.

The full access toilet has two vaults, each one being used for a period of a year. This is the preferred approach for self build enthusiasts but uncommon in commercial designs. It is a very robust system and avoids the need to remove compost that is mixed with fresh deposits.

Compact toilet

Need something smaller? We can also provide for lower use situations with our Compact model. The Compact utilises the same high quality urine-separating pedestal but the large vaults are replaced by a removable container that is emptied into a separate outdoor composter. The Compact is particularly suitable for private installations such as remote holiday homes, shepherds' huts and garden studios. Visit natsol.co.uk for more information.

Full access toilet schematic



Building options

We can supply a standard wooden (A) or metal building (B), or a bespoke timber building to your design. Alternatively we can supply all components to fit a self-built, architect-designed or DIY structure (C).



A



B



C

FAQ

Are they easy to maintain?

Natsol toilets are manufactured from high quality components for a long life and easy maintenance. The pedestal body is stainless steel and designed to minimise fouling. There is no water to freeze, no fan to fail and no moving parts.

The only consumable other than loo paper is the soak which mops up any stray urine and helps decomposition by keeping the compost pile aerobic. A bale of wood shavings will last a year on many sites and costs under £10.

Although some lightly used installations seem to run for years without any compost removal, we suggest you allow about three hours for two people once a year to remove the mature compost and swap over the pedestal. For full details including use of the compost please see the user guide on our web site at natsol.co.uk

Do they smell?

Thanks to the ventilation system, odour in use is actually less than for a conventional toilet. Whilst eco-toilet enthusiasts might tolerate some odour, we believe that correctly designed and operated compost toilets should not smell at all, indeed less than conventional toilets in use. We achieve this without the use of a fan which means higher reliability and no electrician required for installation.

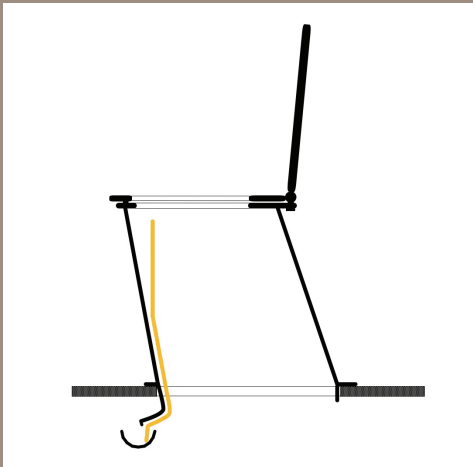
What's the capacity?

The combination of urine separation and generous twin chambers means that the Compus Twin can handle peak uses such as open days, parties or church weddings. The capacity for continuous use is about 8 full time resident users or about 50 daily visits. We have single toilets servicing 250 plot allotments but please contact us to confirm capacity for your application.

Urine separation – why and how?

Urine is the biggest challenge for compost toilets due to the ammonia and the sheer volume of liquid that must be evaporated or drained. We have not found evaporation to be reliable in the UK climate except for very low-use situations. By diverting urine to a shallow soakaway we prevent it from entering the compost pile.

Our unique pedestal is common to all our toilets and is the result of many years of refinement. Typically urine separators use a small bowl at the front of the pedestal. Unfortunately these are prone to blocking by loo paper and worse. The NatSol pedestal utilises the Coandă effect, the tendency of fluids to adhere to a smooth surface, see the diagram below:



What about buildings?

Our standard buildings are wheelchair accessible, solid and unashamedly functional, designed to blend in on allotment and similar sites. If you want something different then we can also provide custom timber buildings, either fully finished or for finishing on-site with the cladding and roofing of your choice. We can also supply the complete toilet without a building. The chamber forms the floor and foundations so you just add the walls and roof. Drawings and design ideas are available on our website including a 3D Trimble Sketchup model to download.

