

PORTABLE DISABLED TOILETS



STANDARD ACCESSORIES



Washbasin
(optional on request)



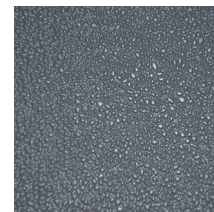
Grab rails



Double toilet roll
holder



Ventilation grilles



Non-slip floor



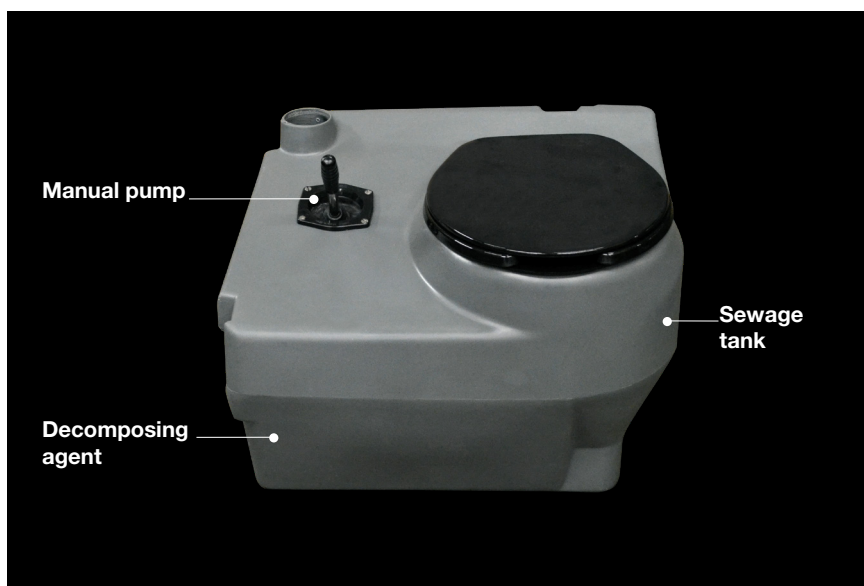
Hand pump kit
(optional on request)

MAXI PRAGA

PORTABLE CHEMICAL DISABLED TOILET WITH RECIRCULATION

Rototec has developed the Portable Disabled Toilet to meet needs of physically impaired persons and to allow everyone to participate at events.

The wide entrance door and obstacle-free access are designed to allow the passage of a wheelchair. Internally, the user can quite easily move in total safety, thanks to the spaciousness of the compartment, the presence of grab rails on the walls and a floor in special non-slip material enabling full 360° mobility and easy seating. The Portable Toilet is built in anti-UV stabilised polyethylene (PE) and is 100% recyclable.



Seat with chemical toilet and recirculation flush. The sewage enters the specially designed tank and is treated with a decomposing agent. The waste water is then re-used to flush the bowl by means of a manually operated diaphragm pump.

Plenty of manoeuvring space, ergonomic, easy access thanks to the step-free ramp.

Item	Colour	Width mm	Depth mm	H mm	Door opening mm	Weight kg	Sewage storage volume l	Sewage tank H mm
BDWR500VV	Green	1550	1550	2200	900 x 1870	127	150	495
BDWR500ZZ	Blue	1550	1550	2200	900 x 1870	127	150	495

Shipping contribution to be given separately

SUMMARY OF STANDARD UNI EN 16194:2012 (MOBILE NON-SEWER CONNECTED TOILET CABINS: REQUIREMENTS OF SERVICES AND PRODUCTS RELATING TO THE DEPLOYMENT OF CABINS AND SANITARY PRODUCTS).

Introduction - Over the last ten years, the use of portable toilets (so-called "chemical toilets") has become more and more widespread, to the extent that now they can be seen in all building and road construction sites, at all public open-air events, during emergencies, etc.. Up until now, there were no standards governing this service, not even those laying down the minimum performance requirements to guarantee to the user. Now, finally, a new UNI standard has been introduced to fill this gap. The corresponding European Standard EN 16194 has been formally implemented as from the start of 2012 and came into force in Italy on 12th April 2012 with the Italian standard UNI EN 16194.

A standard for the Service - Standard UNI EN 16194 not only lays down the requirements for the toilets, but also specifies the essential requirements for the service itself, starting with the number of toilets to be installed according to the number of expected users. In fact, for construction sites, the standard specifies one portable toilet for every 10 users, including both site workers and subcontractors. It specifies that the maximum distance from each work station to the toilet must not exceed 100 metres and that, in the case where the sites are on more than one level, there must be at least one toilet every 2 levels. For events open to the public, the standard adopts the table prepared by the American association PSAI (Portable Sanitation Association International) which defines the minimum number of toilets to be installed as a function of the number of expected users and the duration of the event (see table).

Minimum toilet requirements - The portable toilet is defined in broad terms without any detailed specifications, to allow each manufacturer freedom to offer innovations and alternatives. The minimum requirements, however, are fixed. Each toilet must have a minimum internal area of at least 1m² and an internal height of at least 2 metres, sufficient ventilation and adequate internal lighting. The door must be self-closing, must be fitted with a vacant/occupied indicator, must be openable from the inside and from the outside and must be lockable from the inside (e.g. with a key or latch). It must also be openable from the outside in case of an emergency. The interior of the toilet must have a container for toilet paper, a clothes hook and a sewage tank equipped with a toilet seat or other support allowing use in a seated position. The sewage container must vent to air and can be one of three types:
 a - drop type
 b - recirculation type (with hand or pedal-operated pump)
 c - clean water type (with hand or pedal-operated pump)

Supplementary accessories are allowed but are not obligatory, such as a mirror, light, urinal, hand washer, soap and/or disinfectant dispenser and/or paper towel dispenser.

Toilets for the disabled - Toilets for the disabled, up until now available at some events but not all, now play a role. The standard, in fact, defines the obligation to provide at least one toilet for the disabled, i.e. wheelchair-friendly, at each event. To this end, the door must be at least 80 cm wide and the interior must have a width and depth of at least 140 cm. The ability of the wheelchair to carry out one complete revolution inside the toilet is not required, though the entrance must be at ground level, (i.e. not steps or ramps).

Short-term or long-term hire
 The standard defines the information that must be provided for stipulating a short-term or long-term hire contract. The aim is to render the rapport between supplier and hirer that much easier by simplifying discussions on content as much as possible.

Requirements of services - In this section, the standard lists the operations that must be carried out when providing the service, such as complete emptying of sewage, cleaning of single components (listed one by one), replacement of agreed consumable materials, addition of sanitizing concentrate and water. Damaged toilets must be repaired on site or replaced. The requirements for delivering the toilets are also defined (they must be ready for use, complete with sanitizing solution and agreed consumable materials, such as toilet paper, soap, etc.) Similarly for collection of the toilet following complete emptying of the sewage and removal of consumable materials.

Declaration of conformity of the service - The hire company complying with the requirements of standard UNI EN 16194 is authorised to communicate this in its communications with customers and the public, in advertisements and on adhesives applied to the toilets, etc., with the declaration: "SERVICE PROVIDED IN ACCORDANCE WITH UNI EN 16194".

MINIMUM NUMBER OF TOILETS TO PROVIDE AT EVENTS OPEN TO THE PUBLIC
(50% male - 50% female)

Number of users	Toilets required (for events up to 6 hours)	Toilets required (for events up to 12 hours)
Up to 249	2	3
From 250 to 499	3	5
From 500 to 999	6	9
From 1000 to 1999	12	18
From 2000 to 2999	25	38
From 3000 to 3999	38	57
From 4000 to 4999	50	75
From 5000 to 5999	63	95
From 6000 to 6999	75	113
From 7000 to 7999	88	132
From 8000 to 8999	100	150
From 9000 to 9999	113	170
From 10000 to 12499	125	188
From 12500 to 14999	156	234
From 15000 to 17499	188	282
From 17500 to 19999	219	329
20000	250	375
Over 20000	To be assessed case by case	

For the complete standard, contact: UNI, Via Sannio, 2 - 20137 Milan; www.store.uni.com or www.uni.com