instructions
shared installation

L’URITONNOIR

dry urinal
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You just have received an Uritonnoir.
We thank you very much for your confidence.
This guidebook will help you to install your kit.
The production, flat shaping and the folding of the Uritonnoir are designed for post shipment assembly.
The material is 1.2 mm thick polypropylene sheet adapted to urine flow.
It is specifically treated for ultraviolet and frost to guarantee an optimal life span.
ASSEMBLY

FOLDING-ASSEMBLY OF THE URITONNOIR

part 1

part 2

strap

folding PP uritonnoir

bale of straw
GENERAL RECOMMENDATIONS

The Uritonnoir is easy to assemble. Once unpacked, there are 2 parts which interlock easily, and once assembled it is not possible to take it apart to reduce chances of tampering or vandalism. It is also easily stacked for storage.
PLANNING

PLAN

Order the required straw bales in advance from your local supplier.

WHICH STRAW BALES DO I USE?

Both rectangular and cylinder bales are fine to use. Check pages 12-13 and 14 to decide the sizes needed.

You can ask for maximum straw compression settings, and for short straw length to increase the absorption potential of the straw bale.

WHERE CAN WE FIND STRAW BALES?

Festivals situated in the fields need to mow their site. The neighbor farmer can produce hay bales. A service exchange can operate, for straw bales return for hay. In other cases, the event may be connected to another organisation which can provide bales. Otherwise, it is possible to find straw bales from local wheat producers. It is better to employ local suppliers to reduce transport costs.
STRAW BALE PREPARATION

1  PREPARATION

Prepare the hole to fit the Uritonnoir. Adjust the height depending on the user height (adult / child).
Fit the Uritonnoir with the triangular drain into the bale.
Adjust the depth of the hole so the vertical part of the Uritonnoir is against the bale.

2  INSTALLATION

Secure the Uritonnoir to the bale by feeding the strap through the two slots at the top of the Uritonnoir and then secure the strap to the bale.

PROCEEDURE
CAMPING INSTALLATION

The Uritonnoirs can be used on a campsite, outdoors, at a certain distance to tents, to avoid inconvenience to campers, and can help to avoid overstretched shared toilets.
This is a good solution when the toilets are a long way away!

Dry urinals are installed, with the help of the local farmer on one or several cylinder or rectangular bales.
Privacy can be created by the bale configuration.
At the end of season, straw bales can stay on site to be used next year or be collected by the local farmer.

PUBLIC GARDEN AND GREEN SPACES INSTALLATION

The Uritonnoirs can be installed in public gardens and green spaces.
When the public garden extends a long way from toilets, it is welcome to offer Uritonnoirs.
The urine is not lost, and does not pollute, when composted, it is used on site, by gardeners.
INSTALLATION FOR FESTIVALS OR SPORT EVENTS

There are often long queues for toilets at sports and cultural events. As well as this chemical toilets are expensive to rent. The Uritonnoir is a low cost solution, and it reduces queuing.

Giving males an easy and convenient solution will reduce unwanted, bad smelling urination elsewhere.

Public installation of dry urinals, uses locally available resources and produces a useful product.

Uritonnoirs installation is very simple : installation, usage, disassembly and composting.
BIG BALER - CHILD CONFIGURATION
L200xW50xH80
BIG BALER - 6-12 ADULTS CONFIGURATION
L200xW80xH120
ROUND BALER - 3-4-5-6-7 ADULTS CONFIGURATION
H120/variable diameter
CAPACITY

Public installation should be carefully planned, since inspection by authorities is possible. The capacity needs to be correct to avoid saturation or smells. An important first step is to decide what ground the Uritonnoir will be placed on, field, drainage trench, waterproof tarpaulin?

FIELD INSTALLATION :
If Uritonnoirs are installed on fields, you should count a maximum of 60 visitors per Uritonnoir per straw meter.

For example:
a 1.8m straw bale diameter (8m perimeter) with 6 Uritonnoirs can work for a maximum of 360 visitors for the duration of the event.

DRAINAGE TRENCH INSTALLATION :
When the number of visitors is unclear and probably high, it is recommended to dig a 20cm deep trench filled with gravel to prevent overflow after saturation.

WATERPROOF TARPALAIN INSTALLATION:
When urine quantity is high and is deposited overtime, it is recommended to put a waterproof tarpaulin (thick polyane) under the bale to stop leakage into the ground. To garanty a high level of environmental protection, a pump truck will be useful to take out the precious liquid at the end of event.

This waterproof tarpaulin can be used several time, then, the installation cost are smoothed over several years.
REDUCE THE RISK OF VANDALISM

Risk of the straw bale strap being cut
Solution: Strap the bale with a wire or synthetic/metallic ribbon

Fire risk
Solution: Humidify bales when weather is dry or provide a water extinguisher and a human presence.

Risk of theft
Uritonnoirs can be taken off.
Solution: Fix the Uritonnoir at the top and bottom with a wire

URITONNOIR CLEANING

To use Uritonnoirs for many years, it is advisable to wash Uritonnoirs with bleach water before they are dry.
Then, it is better to stock away from dust, light and to stock in a cool place.
WHY DOESN'T A WELL MANAGED URITONNOIR SMELL?

- Urine which remains in contact with the straw means less smell. But bales take time to absorb the liquid. So installing 1 Uritonnoir per linear meter of straw will give more distribution at the liquid for better absorption.
- Good drainage is important, and can be created by gravel. Sponge effect can be created by sawdust. Just consider what is early and locally available.
- Placing Uritonnoirs in the shade will reduce smell.
- Avoid moving bales as this produces smell.
- Make sure you have enough Uritonnoirs and straw bales for the number of visitors (see page 15).

WHY CAN A BADLY MANAGED URITONNOIR SMELL?

Once saturated, urine will pass through the bale into the ground and will create puddles. These bales need to be cordoned off and other bales used. Drainage should be improved to avoid problems.

DO YOU HAVE A SOLUTION FOR LADIES?

Laddies can use a 'pisse-debout' with the Uritonnoir.
**HELLFEST 2013**

Uritonnoir Test at a festival with lots of users

Hellfest 2013  Clisson (44)  20 to 23 june 2013.

For more détail, please report to case study
downloadable pdf format : www.uritonnoir.com

**THE HELLFEST 2013 IN NUMBER**

102000 visitors (4 days)
27 uritonnoirs installed
9 Round Balers (diametre 1.8m)
experimentation place : White/Red Camp
number of users : 28000
draining trench 0.4m x 25m x1.4m filled of gravel

It was a good experience for users and organizers.
Users was very happy to experiment straw
Process was working with straw 20 hours and with draining trench the other days. To absob such urine quantity, next year, we need to increase the num-ber of strawbales and multiply Uritonnoirs spots.