INESTA

BEE BIN

2019

BEE BIN - DEEP WASTE COLLECTION SYSTEM

SPACE SAVING AND ECO-FRIENDLY

Bee Bin deep waste collection system is an effective and practical solution for collection and temporary storage of waste in residential and commercial properties, waste collection points, parks, town squares, harbours, picnic areas, hotels, fitness zones and other public areas. Bee Bins are installed in the ground vertically, where only around 40% of the container, is located above the ground level.

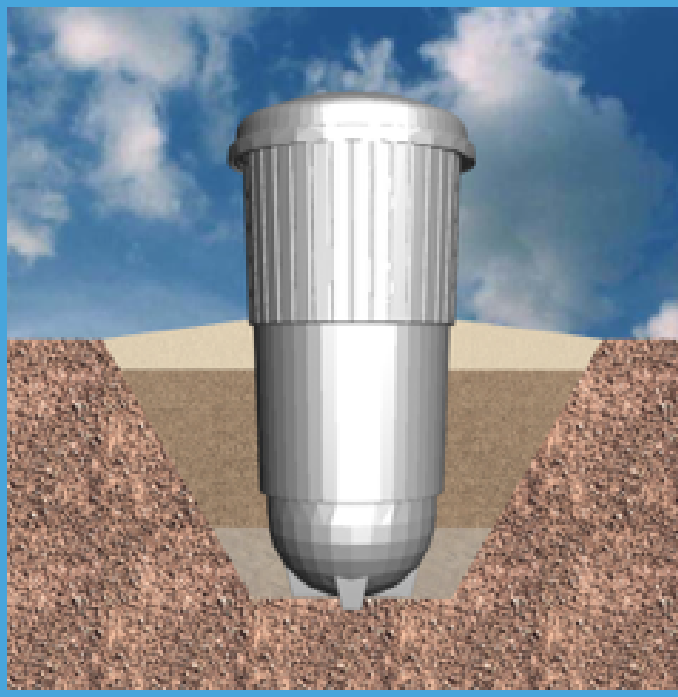
EFFICIENCY THAT WILL BE NOTICED

The high volume (up to 5 m^3) of Bee Bin ensures the reduction of container emptying frequency and eliminates the problems of overfilled waste bins. The capacity of one Bee Bin 5 is almost 6 times greater than the largest wheelie bin that is available in the market.

EFFECTIVE USE OF THE VOLUME

Waste material (especially mixed waste) deposited in a Bee Bin is compacted by gravity, which increases the quantity of trashed waste in each Bee Bin by about 20%. As the amount of material trashed inside of the container increases, the effect of gravity compression becomes grater as well.

CLEAN AND ODOURLESS



Bee Bin deep waste collection system keeps the waste collection point clean, prevents overfill and offers an effective solution for odour problems that are common in traditional containers. Coolness of ground helps to slow bacteria development and to minimise odour emissions during warm weather conditions. Oldest waste that will container the most of microbial activities will be at the bottom of the container and therefore will be at the coolest place.

HYGIENIC AND TIDY SOLUTION

Aerodynamic shape of Bee Bin system creates a low wind profile and prevents the small lid blowing open in strong wind. The return mechanism closes the small lid of the Bee bin automatically after use.

A closed Bee Bin will keep waste collection site free of birds, rats and other animals and therefore improves hygiene and appearances of the sites in general.

PRACTICAL DESIGN

CONTAINER

Container's surface is a ready-made solid profile that eliminates the need for expensive decorative covering. Although the container can also be clad with, wood, aluminium or steel framing, as per customer requirements.

ACCESS LID

Size and shape of the access hole can vary dependent on the volume, type of waste and the customers specific requirements.

The waste input hole of all Bee Bins has a curb that prevents rainwater entering the container.

As per customer needs, the colour of the Bee Bin deep waste collection system or some of its parts (e.g. colour of the small lid) can be changed.

LIFTING BAG (SOFT BAG)

Lifting bag is equipped with a quick waste discharging and lifting system. The bag is made out of durable materials that comply with the latest technical standards.
There are two different waste collection soft bags.

- *General waste bag - bag that is for waste material such as, paper/cardboard, plastic, packaging material, mixed waste. It is a two-layer bag, where outer and inner layers of the bag are made out of polypropylene fabric.*
- *Glass bag - bag that is used for glass. It is a two-layer bag, where outer layer of the bag is made out of polypropylene fabric and inner layer from PVC material.*

In addition, INESTA Consulting and trading also offers their customer bio capsule and steel bag for bio waste.

LIFTING MECHANISM AND QUICK WASTE DISCHARGING SYSTEM

Emptying process is safe, easy, fast and mechanised.

Bee Bin emptying is a quick and efficient process that requires one operator and only about 1½ minute to complete.

Waste collection operator does not need to push/drag heavy wheelie bins, since semi-underground containers are emptied using a crane that lifts waste bag from the container.

In addition, this way of waste emptying becomes easier especially when roads around containers are uneven, there are holes, kerbs, snow, ice or any other obstacles on the way.

Lifting bag is equipped with a quick waste discharging system. When operator pulls the rope, the bottom of the bag opens. After emptying operator squeezes the bottom of the bag by pulling the rope.

BEE BINS SAVE ENVIROMENT AND MONEY

In 2015 a Master student from Tampere University of Technology, Finland together with a Finnish company made a research, where environmental and cost impact for mixed waste collection methods were assessed. In these studies, student have collected and assessed date about semi-underground waste containers and surface containers emptying. Waste collection from nearly 8000 semi-underground waste containers and 25000 on the ground containers was evaluated.

Collected data showed that for the same amount of waste the frequency of emptying is by about 80% more often when surface containers are emptied in comparison to semi-underground containers. In another words, waste collection trucks have to visit sites and empty on the ground containers more frequent than semi-underground containers.

The use of semi-underground waste containers reduce greatly the emissions, lowers fuel consumptions, requires less personnel, waste collection yards are more compact and as a result the waste collection method using semi-underground waste containers is more economical waste management system.

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INESTA CONSULTING AND TRADING

The ecology of our Planet is deteriorating due to negligent and reckless action of people in relation to the environment.

The modern world produces an increasing amount of waste every day, generated from almost every activity people engage in virtually every corner of our Planet.

New solutions must be found to deal with this growth. INESTA Consulting and Trading, is committed to develop these solutions for our future generations.

INESTA Consulting and Trading offers product range that creates a safer and healthier living environment. We endeavour to ensure waste management systems are efficient and optimised.

Green and Clean, Today and Tomorrow!

Bee Clean

Bee Cool

Bee Bin