



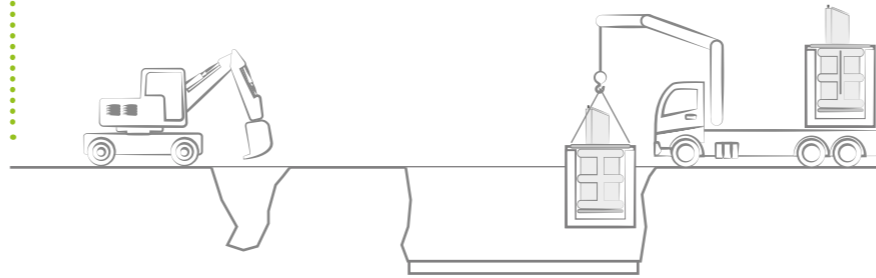
COMPACT

UNDERGROUND
SYSTEM

COMPACT UNDERGROUND SYSTEM

Easy to install
and operate.

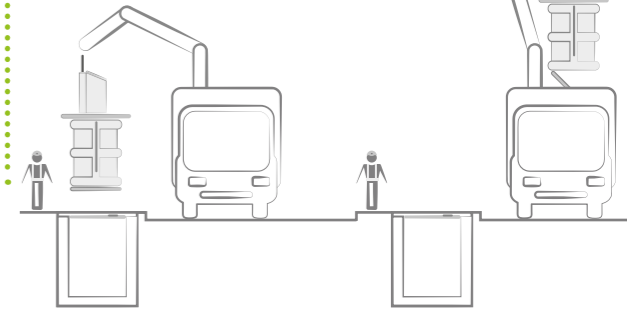
1 Easy
to install



2 Easy
to use



3 Easy
to collect



SELECTIVE COLLECTION



The compact Sotkon underground system is a complete concept for waste collection by a top loading crane installed in a collection vehicle. The discharge of waste is carried out through a bottom hinged mechanism within the container body.

The unitary concrete bunker is watertight to prevent water entry and the exit of leachate. The containers for collection are constructed of polyethylene to prevent corrosion, are placed underground and the waste is received through the intake column located on the surface.

The pedestrian platform and the container are fixed and the movement of both is remotely controlled. The type of lifting the container is adapted to single or double hook, mushroom or other crane system systems available on the market. After the lifting of the container there is a security platform that covers the open void.

Due to the use of a plastic container, the Sotkon system has a lower pay load enabling collection cranes with lower capacity to operate the system.



**“ Perfect integration
with the environment ”**

Index:
a. Intake Column with mushroom system
b. Plastic Container
c. Concrete Bunker
d. Pedestrian Platform
e. Safety Platform



COMPONENTS

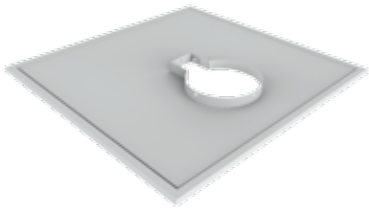
Intake Column

Characterized by their simplicity and functionality, Sotkon intake columns present an attractive design for street furniture. Our products are designed to ergonomically provide ease of use, safety and hygiene. The intake columns are produced in stainless steel to preserve its appearance and to endure extremely aggressive environments. It is possible to provide models on request for special projects. The opening can be modified for specific types of waste.



Pedestrian Platform

The construction of the pedestrian platform (lid) and of the various components are made with anti corrosion resistant materials. The lid is designed to integrate perfectly with the rim of the bunker so as to ensure complete sealing of the joint. A perimeter gutter eliminates the possibility of infiltrations of rainwater. In order to ensure seamless integration in the surrounding area, the finishing of the lid can be made with various options from stone or brick to resins of different colours.



Containers

Our Containers are designed to have an exceptional mechanical strength. The deposit and the lower lids of the container are made of polyethylene by rotational moulding and the metal hardware it is hot dip galvanized. Depending on the lifting and unloading system of the crane, the container is adapted with appropriate fittings and with stops that protect against possible damages to the structure.



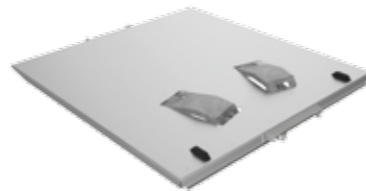
Concrete Bunker

The concrete bunker is a parallelepiped precast part comprising a base, two transverse walls and two longitudinal walls. The internal shape of the bunker is designed to match the fixing of opening mechanisms, safety platform and external shape of the polyethylene container. The base has a recess for the storage of liquids for cleaning operations. Sotkon bunkers are designed to meet all applicable specifications of the Euro Code and to prevent any buoyancy effect.



Safety Platform

The safety platform is a device that closes the entire opening of the bunker when the container is removed. This prevents anything being able to fall into the void. The movement is provided by three gas springs with free maintenance.



SOTKIS Intelligent Systems

SOTKIS is an integrated management system that provides information about the various processes involved in waste collection so as to maximize the efficiency of allocated resources and increase the profitability of service. Using the SOTKIS system, each entity may have information about the filling level of containers, plan the most efficient route, know frequencies of deposition and introduce systems Pay As You Throw (PAYT).



Optionals

Intake Column



Optional:
Special signs



Optional:
Reduction for glass and batteries



Optional:
Lid soft close

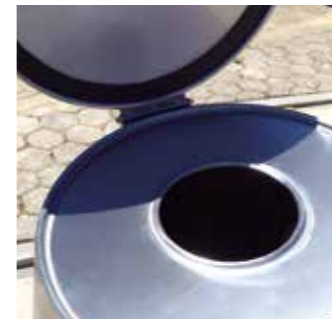


Optional:
Internal trapdoor for reduction



Optional:
Pedal

* Other solutions on request.



Optional:
Reduction for glass



Optional:
Double drum for access restriction



Optional:
Standard Intake column with access control

Pedestrian Platform (Finishing)



.Resin epoxy in different colours

* Other finishes on request.



.Aluminum

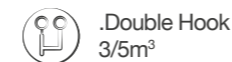


.Cobblestones

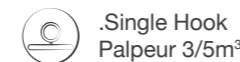


.Granite stones

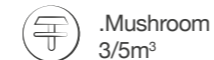
Container (Collection system)



.Double Hook
3/5m³



.Single Hook
Palpeur 3/5m³



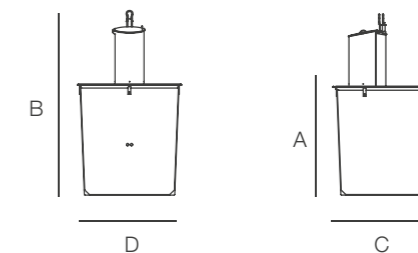
.Mushroom
3/5m³

* Other capacities on request.

Technical Drawings (Assembly)

Capacity	A	B	C	D
3M ³	1970	2970	1840	1860
5M ³	3220	4220	1840	1860

Units in mm (approx values).
These dimensions are not suitable for civil construction.



COMPACT

UNDERGROUND
SYSTEM



sotkon
waste systems



All the components are tested with supervision from TUV according to the standards EN13071-1 and EN13071-2 and European normative machine 2006/42/CE