

TRAFLUX



ZBin

A photograph showing a row of Traflux outdoor waste containers in a park-like setting. The containers are made of vertical wooden slats with black lids and feature a logo. They are situated on a paved path next to a grassy area with trees in the background.

About us

Traflux is a globally active **family company**. From our Belgian headquarters in Houthalen-Helchteren, we develop and manufacture (semi-)underground waste containers. Thanks to an exclusive combination of innovative designs, superior materials and advanced technologies, we offer waste solutions from 100 to 5,000 litres for every sector.

From our 5,000 m² production facility, equipped with state-of-the-art machinery, we provide **global distribution** to more than 30 countries. In addition, Traflux has its own collection company in Belgium. Every day, our drivers empty more than 1,000 containers. Their experiences help us to continuously improve our products.

Traflux sees reducing **ecological impact** as a priority. We generate more electricity with our solar panels than we consume. Furthermore, we consciously choose sustainable, recycled and environmentally friendly materials. For instance, our containers comply with EN 13071 standards, our lifting bags with ISO 21898 standards and our wood is PEFC certified. We produce according to ISO 9001 standards.

At Traflux, everything is centred around these core values:

Teamwork

Result

Authentic

Flexibility

Loyalty

Unique

X-Factor

The Traflux logo, featuring the word "TRAFLUX" in a bold, sans-serif font. The "T" and "A" are white, while the rest of the letters are black. The logo is set against a green background with a white border.**TRAFLUX**

Why choose a semi-underground solution?

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Size does matter

The figure below makes it clear: size does matter. Fewer containers are needed, and the time required to collect and remove waste is reduced. This lowers both investment and collection costs. Large volume, compact design.

Design & Ergonomics

Design has played a crucial role in shaping the functionality and experience of the ZBin. Every element has been carefully integrated to create a cohesive whole, ensuring that the container is both safe and easy to use.

Safe

By incorporating a barrier of at least 800mm in height, no large openings are left exposed when the semi-underground containers are emptied, ensuring the safety of operators. Additionally, plastic materials create softer edges that do not splinter and cause cuts.

Quality & Reliability

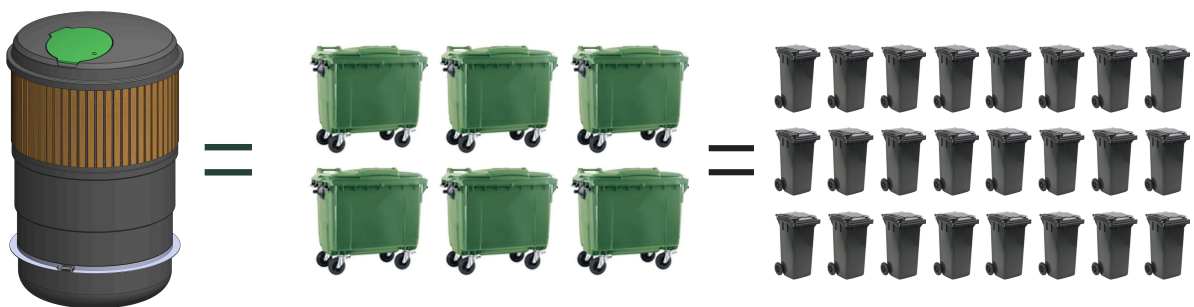
We only use high-quality materials chosen for their durability. Our virgin plastics offer high UV stability, while aluminium and stainless steel prevent corrosion. Additionally, our containers are seamless and feature double-walled lids for extra strength.

Environment

All materials used in our ZBin are 100% reusable—free from concrete and galvanized steel. A ZBin weighs 15 times less than a fully underground system, significantly reducing its carbon footprint during transport and installation.

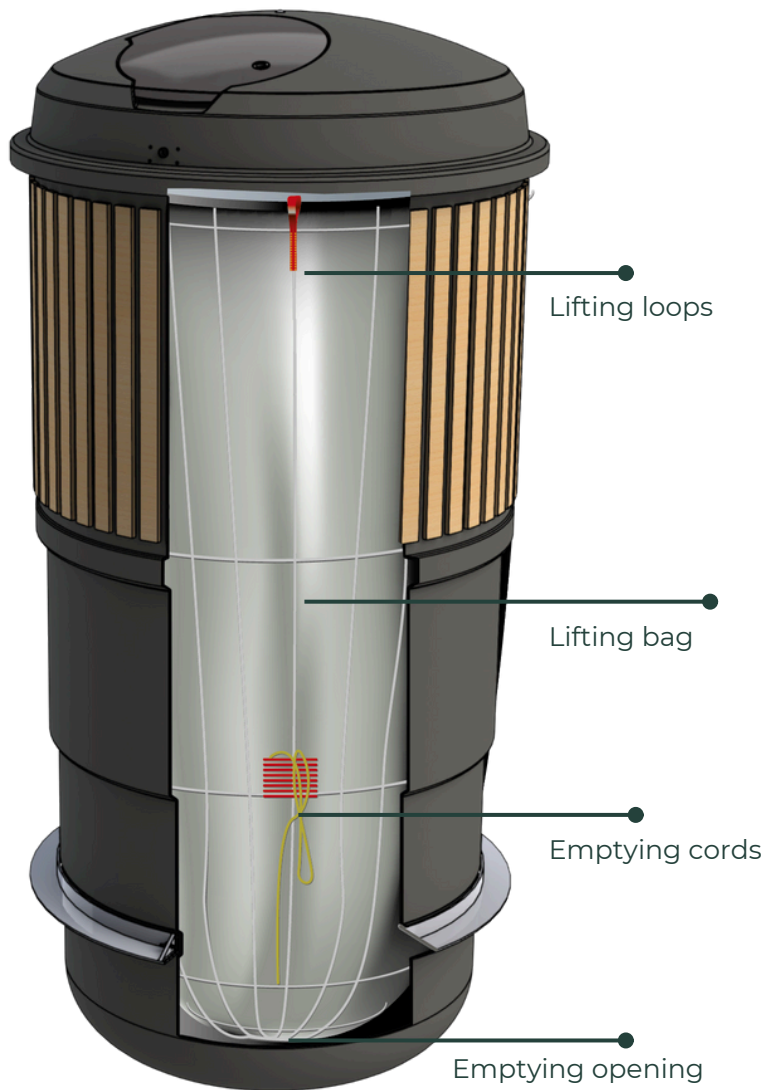
Efficiency & Comfort

The efficiency of the semi-underground concept lies not only in the ease of emptying the containers but also in the minimal surface area required for installation. Additionally, our inner lid is significantly easier to open compared to alternative solutions.



Comparison between 1x ZBin 5000l = 6x 1100l wheelie bins or
24x 240l wheelie bins

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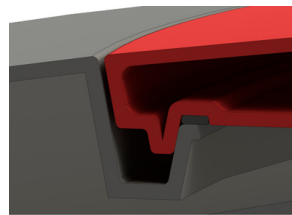


Quality

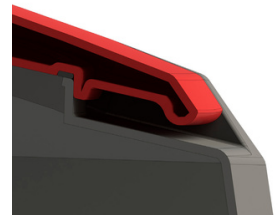
Traflux's ZBin is made from the highest-quality materials, with each component designed for durability. The plastic pit is built according to the latest standards and newest technologies. Additionally, the ZBin is produced using rotational molding, resulting in a seamless and uniformly sturdy construction.

Emptying

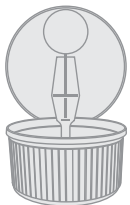
The ZBin is equipped with an internal lifting bag / container, making waste removal effortless. This design ensures the ZBin is suitable for almost any fraction of waste. Depending on its size, the container can be used for paper/cardboard, plastics, glass, biowaste, residual waste, ...



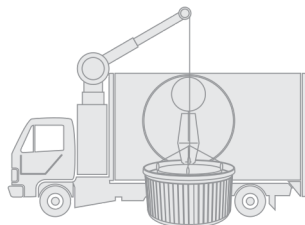
Detail section:
"odour lock"



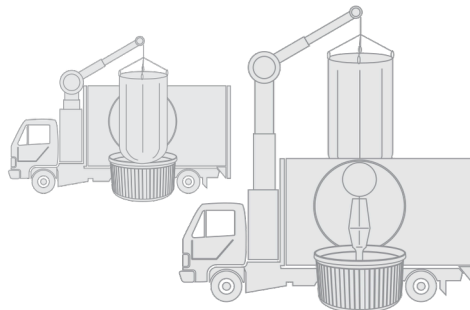
Ergonomic handle
detail (fully integrated
into the lid)



1. Open the ZBin; the gas spring ensures that the lid stays open, allowing a smooth and effortless operation.



2. Secure the inner bag to the crane using the provided loops.



3. The inner bag is lifted from the container and emptied into the truck.

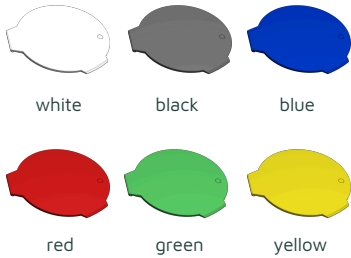


4. Place the bag into the ZBin and close the lid. The ZBin is now ready for use again.

ZBin - options and components

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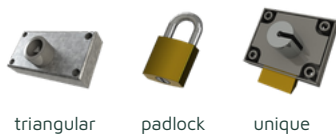
Filling lid color options



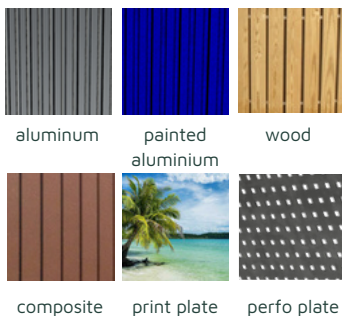
Opening options



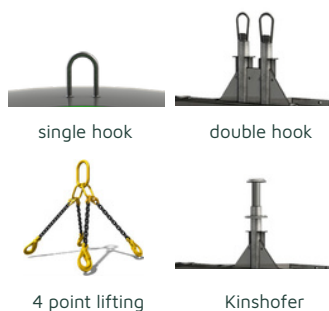
Locking options



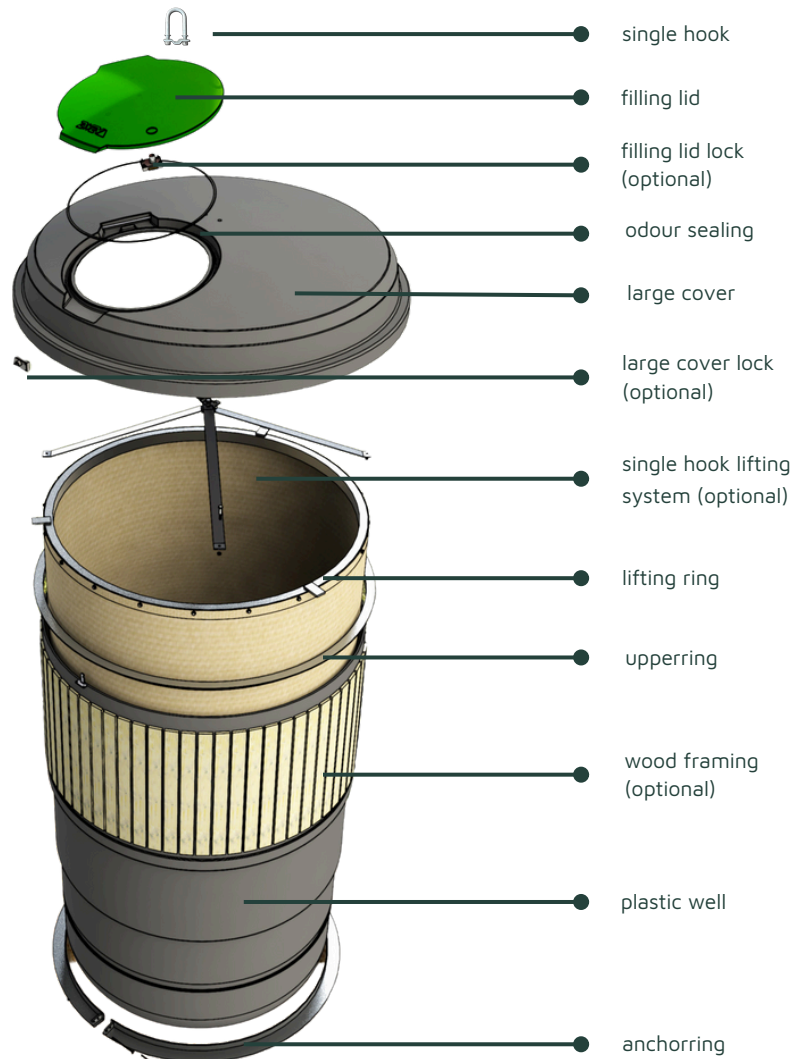
Framing options



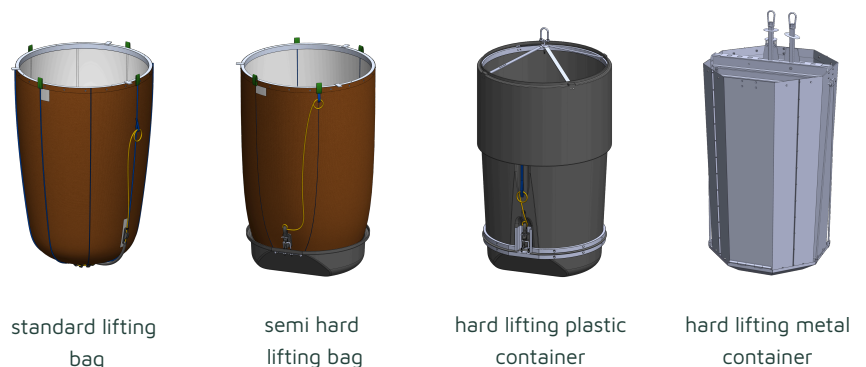
Lifting options



Detailed view



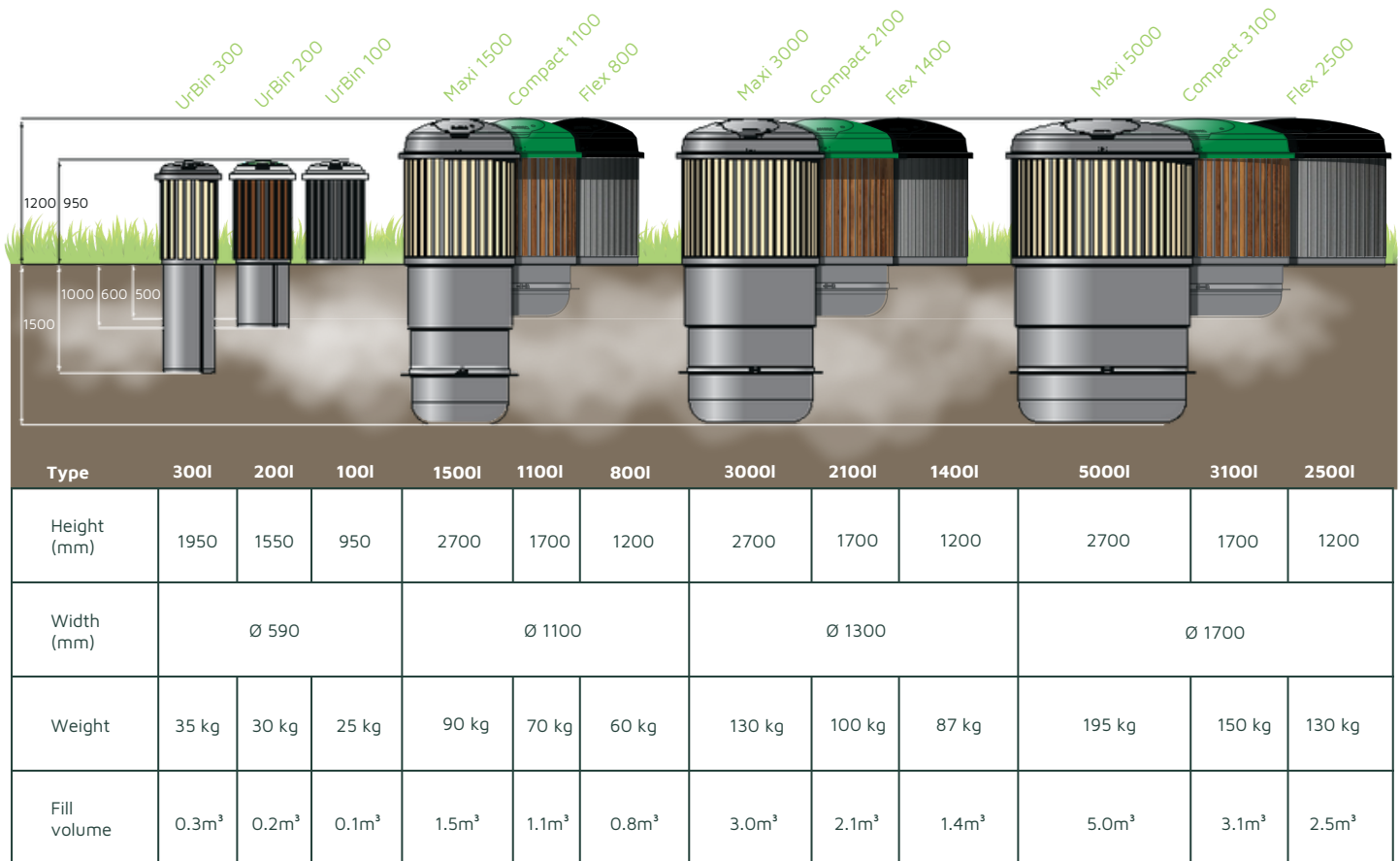
Lifting bags/containers



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ZBin - product range

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For all fractions

The ZBin semi-underground waste containers are available in volumes ranging from 100I to 5,000I. For waste disposal, lifting bags, semi-hard bags, or hard containers are available. All solutions are tailored to the waste fraction being recycled and stored.

Compact

The ZBin Compact is designed to offer a large volume with a maximum installation depth of just 50cm. In locations where digging deeper is difficult or restricted, the ZBin Compact is the ideal solution.

Maxi

The ZBin Maxi is the workhorse of the semi-underground bins. Offering the full benefits of large volume within a limited surface area. This is the ideal choice for efficient waste collection. The installation depth is approximately 1.5 meters.

Flex

If you need flexibility in your waste storage solutions, the ZBin Flex is the ideal choice. It offers high volume and quick emptying capabilities without the need for permanent installation. This solution is perfect for both small and large events and festivals.

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References

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