

thorough ventilation

- the contents are thoroughly ventilated by means of the spacer ribs on the inner walls and the numerous small holes in the sides and in the lid



drain grating

- the hinged, foldable grating enables the water content of the compostable material to drain and therefore partially to evaporate



higher payload through improved stability

- the spacer ribs on the inner walls reinforce the total strength of the bin – thus allowing the Compostainer® to take a higher payload

Compostainer®



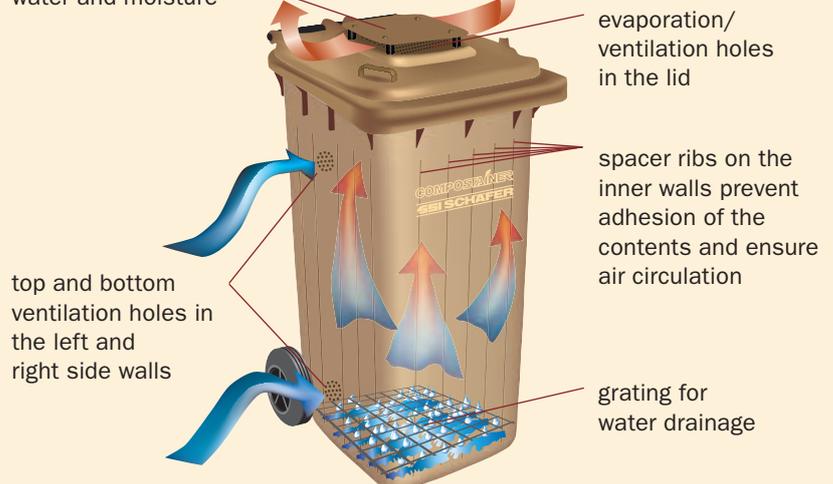
The thoroughly ventilated bin – Compostainer®

The thorough ventilation provides a high oxygen supply to the contents. This supports the activity of the microorganisms inside the material which are responsible for the aerobic decomposition of the material. Compostable waste, collected by Compostainers® has a pH-value of 7.0 and, therefore, is well preconditioned for the composting process. In this way, decaying processes combined with the development of unpleasant smells are avoided. Because of this intensive ventilation, the weight decreases by 13% through evaporation of moisture in a fortnightly collection cycle (scientifically tested).

Less water, less weight, less costs!

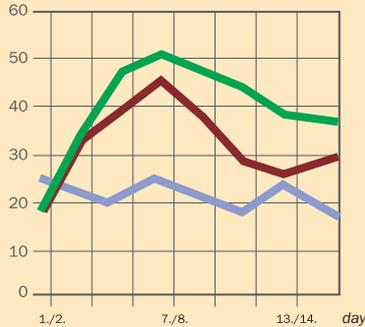
With a 120 litre Compostainer® an average of 3 litres of water evaporates in a fortnightly collection cycle, 350 bins are emptied into the collection vehicle, equalling a reduction of 1,050 litres per vehicle. With 3 collection loads per day, this is equivalent to about 3,000 litres of water or 3 tons of weight which do not have to be transported and paid for at the composting plant.

cover against rain water and moisture



Technical results speak for the Compostainer®

Temperature fluctuation (°C) over days



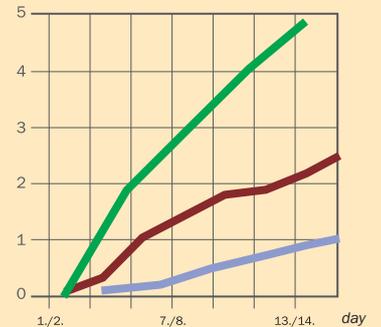
The diagram shows, that the temperatures depend on the intensity of the ventilation; the better the ventilation, the higher the temperature and therefore the activity of the microorganisms responsible for aerobic decomposition resulting in the reduction of unpleasant smells.

Oxygen content (O₂) over days



The oxygen content clearly demonstrates the difference between the various bin types. The pH-value inside the non-ventilated bin is 5.0 and inside the Compostainer® it is over 7.0.

Weight loss (kg) over days



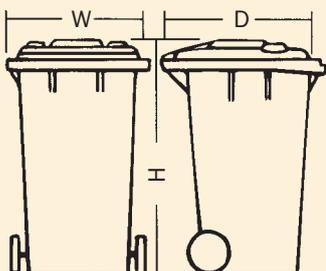
The markedly higher weight loss of 13% in the Compostainer® is a result of the intensive ventilation.

A pre-composting process can only take place in a bin system, which is ventilated to the maximum possible extent. The Compostainer® enables a biologically and ecologically harmless fortnightly bio waste collection. With this bin correctly filled, temperatures of more than 50°C can be achieved, which make the organic decomposition of the biological waste possible. The aerobic decomposition can result in a considerable loss of weight and a favourable pH-value of 7.6.

Technical data

Compostainer®	CT 120 I	CT 140 I	CT 240 I
Width mm (W)	505 max	505 max	580 ±5
Depth mm (D)	555 max	555 max	740 max
Height mm (H)	1,005 max	1,100 max	1,100 max
Nominal volume l	120 +8/-6	140 +6/-12	240 +15/-5
Payload kg	48	56	96
Wheel-ø mm	200	200	200

all dimensions are nominal in accordance with DIN EN 840



standard colours (special colours on inquiry)

- RAL 8025 pale brown
- RAL F-7/W1 green



Compostainer®, intensively ventilated



bio-bin with drain grating, no spacer ribs, normal ventilation



non-ventilated bio-bin