



Compost
Systems

Container technology

CSC-Container

Flexible collection, sanitization and composting



CSC-Container

The CSC-Container is the perfect product for organic waste collection and composting with low space and energy consumption as well as integrated odour prevention.

The container is designed for mobile and decentralized collection of organic waste as well as for stationary operation as part of a composting plant. Equipped with an active aeration system and with remote access for control, the CSC-Container is ideally suited to provide a controlled composting process and optimized waste logistics at the same time. All process data is stored in a cloud service in a fail-safe and long-term manner. This continuous recording and long-term storage of the process temperature therefore makes the container a reliable tool to meet all requirements of the EU Animal By-Products Regulation regarding hygienization.

Prevent odours, sanitize
and produce compost



The lid is equipped with a semi-permeable membrane, which allows odour-free operation when the lid is closed. The lid has an all-round seal and is secured by means of tension locks. The rotary and pendulum flap at the rear is designed to be watertight and is also secured with tension locks.

Benefits using the CSC-Container

Conformity with the EU Regulation on the Disposal of Animal By-Products (EU 1069/2009, 142/2011)

As a completely closed container for the processing of animal by-products in combination with a complete data recording, the CSC-Container forms the basis of the obligation to provide evidence to the supervisory authorities who control compliance with the legal rules.

No odour emissions

The lid is equipped with a semi-permeable membrane which, when closed, eliminates 95 % of odour emissions during composting. No external biofilter is required.

Optimized logistics and costs

The remote monitoring of the level sensor together with the decentralized pre-treatment of the material during collection avoid unnecessary transports and thus save costs for logistics and disposal.

GPS localization

With the built-in GPS, you always know where your CSC-Container is stationed.

Smart process monitoring via Internet

The measurements of temperature and filling level as well as error messages are fully documented, can be monitored via the Internet and stored long-term using a cloud service. This serves to improve process control and as a basis for proof of hygienization.

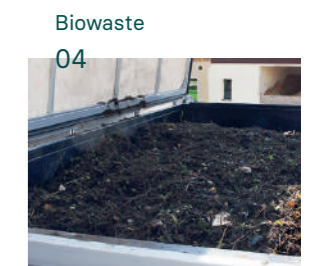
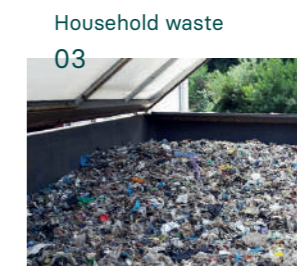
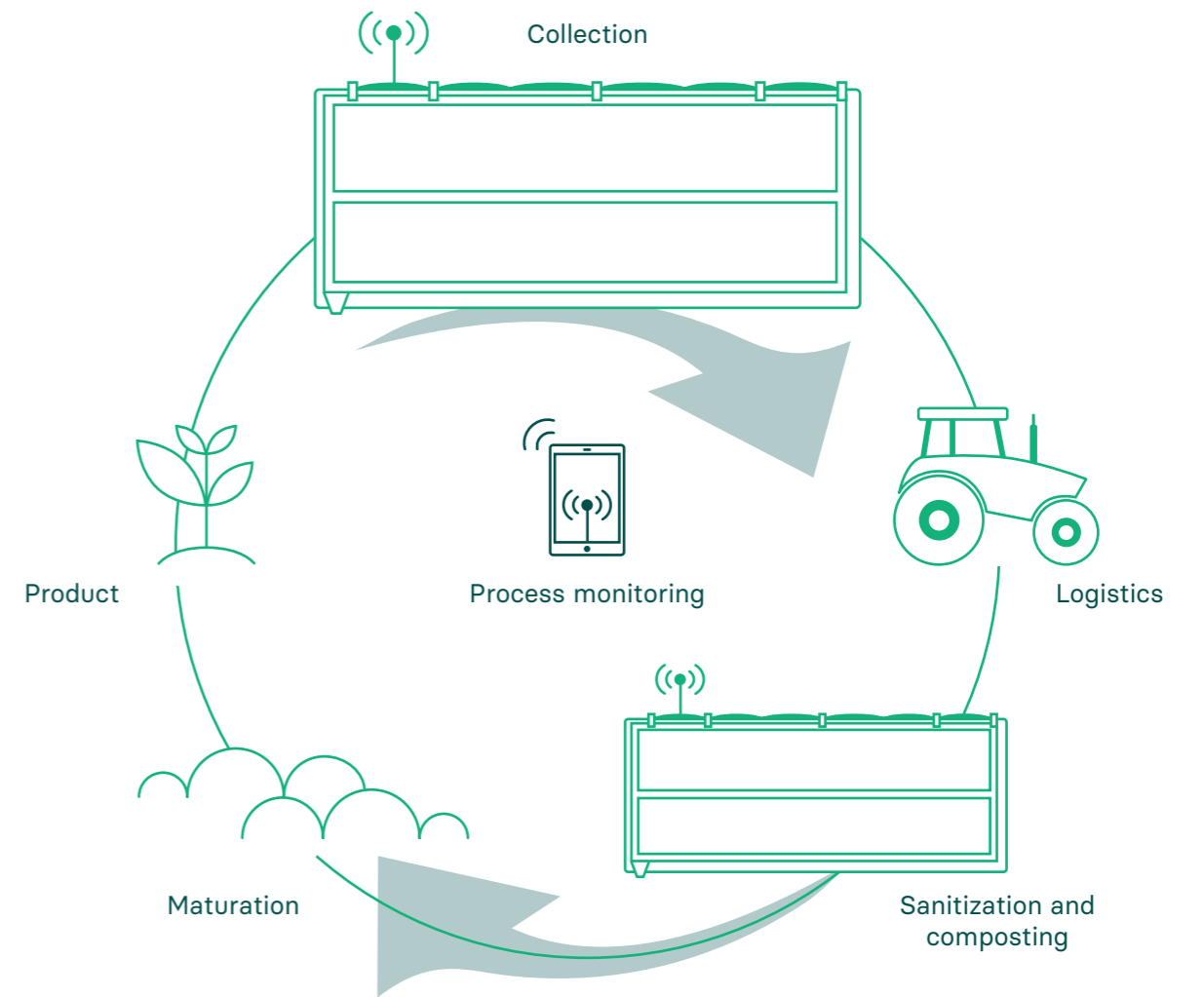
Minimal operating and maintenance costs

As there are no rotating or moving parts in the CSC-Container, only maintenance according to the operating manual is required as a regular maintenance measure. Together with the low energy consumption, the operating and maintenance costs are unbeatably low.



The best solution for biological waste treatment

The container enables odour-free, decentralized collection and storage of organic waste such as food scraps, slaughterhouse waste, sewage sludge, manure, fermentation residues, household waste. They are then sanitized in the CSC-Container, biologically stabilized and, if necessary, taken to a composting plant for maturation. Likewise, the CSC-Container can be used for biological drying of organic materials.



Container types and specifications

The CSC-Container can be supplied in two variants and is used in batch operation. Before filling, the lid is opened with the existing manual winch. A wheel loader or a tractor with front loader is typically used for filling large quantities. Smaller quantities are manually loaded into the container by means of mobile stairs or placement next to a ramp. For the manipulation and emptying of a CSC-Container, a hook lift truck or a tractor with hook lift trailer can be used.



Contact our team for more information

To experience all the benefits of our CSC-Container, we provide a container for carrying out your own test runs.

Technical data

	CSC-20	CSC-30
Capacity:	~ 20 m ³	~ 30 m ³
Empty weight:	~ 3.2 t	~ 3.8 t
Max. filling weight:	12.0 t	17.0 t
Max. total weight:	15.2 t	20.8 t
External length:	~ 5.8 m	~ 6.4 m
External width:	~ 2.2 m	~ 2.5 m
External height:	~ 2.5 m	~ 2.65 m
Framework and hook lifter:	according to DIN 30722	
Power supply:	230 V AC, 50 Hz	
Power consumption:	50 - 70 W	
Operating temperature:	- 10 °C to + 65 °C	

Due to manufacturing tolerances and design changes, the dimensions given may vary slightly. All data subject to change without notice.

Options:

Rear flap designed as pendulum flap

Hook lift according to UK Norm CHEM and AFNOR NF R 17 108 (French standard)

Upgrade with additional temperature measuring lances

Variants with 110 - 120 V AC, 60 Hz

Control cabinet heating with automatic switch and thermostat

Irrigation system with 4 sprinklers

Biofilter as auxiliary unit for additional capacities

Further options on request!

Annual max. possible processing capacities

Dwell time per batch	CSC-20	CSC-30
1 week:	624 t / 936 m ³	884 t / 1,508 m ³
2 weeks:	312 t / 468 m ³	442 t / 754 m ³
3 weeks:	208 t / 312 m ³	294.7 t / 503 m ³
4 weeks:	156 t / 234 m ³	221 t / 377 m ³
Max. bulk density:	0.6 t/m ³ (input material)	



Scan to watch the video CSC-Container



Compost
Systems

Made in Austria – Approved worldwide

As a leader in solutions for biological waste treatment, we have been working on high-performance and economical environmental technology since 1987. Through many years of experience and relevant expertise, we have managed to produce Austrian quality products for efficient, material-friendly compost production. Whether in the gardening, agricultural or purely industrial sector - we provide you with suitable solutions.

Plant components

Compost covers

Machine technology

Container technology

Measurement technology

Compost Systems GmbH

Maria-Theresia-Straße 9, 4600 Wels, Austria

T +43 7242 350 777-0

office@compost-systems.com

www.compost-systems.com

ENGLISH version: April 2023.
Technical data and illustrations are correct at the time of printing.
Errors and omissions excepted. Subject to printing errors.