

KerbCell™ Raingarden Inlet

– Optimised raingarden design

KerbCell™ regulates inflow to green infrastructure systems, rain gardens and tree pits during periods when roads and paths are salted



KerbCell™ is a sluice construction that is built into the kerb and which can reroute the flow of runoff, protecting green infrastructure and groundwater from de-icing salt and sediment.

In most months of the year, runoff water is directed to the green infrastructure. This allows most of the annual precipitation to be dealt with locally, without overloading the sewage system. But in periods where de-icing salt is used, it is KerbCell™ that protects local rain gardens and surface water by directing the runoff towards the sewer.

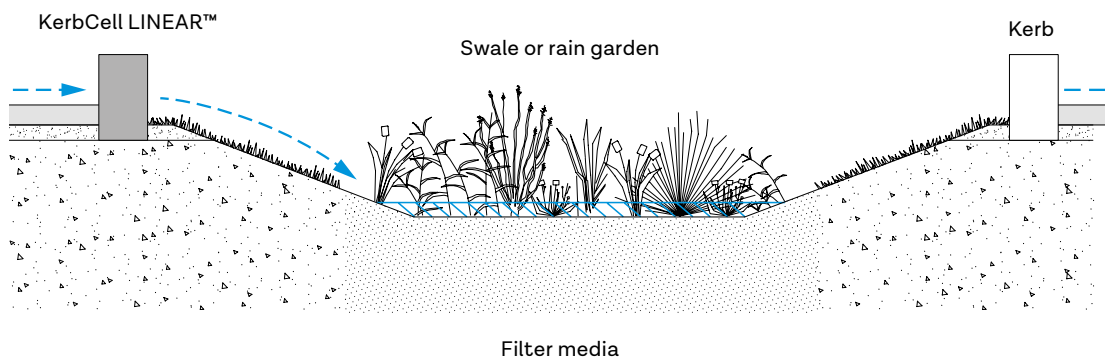
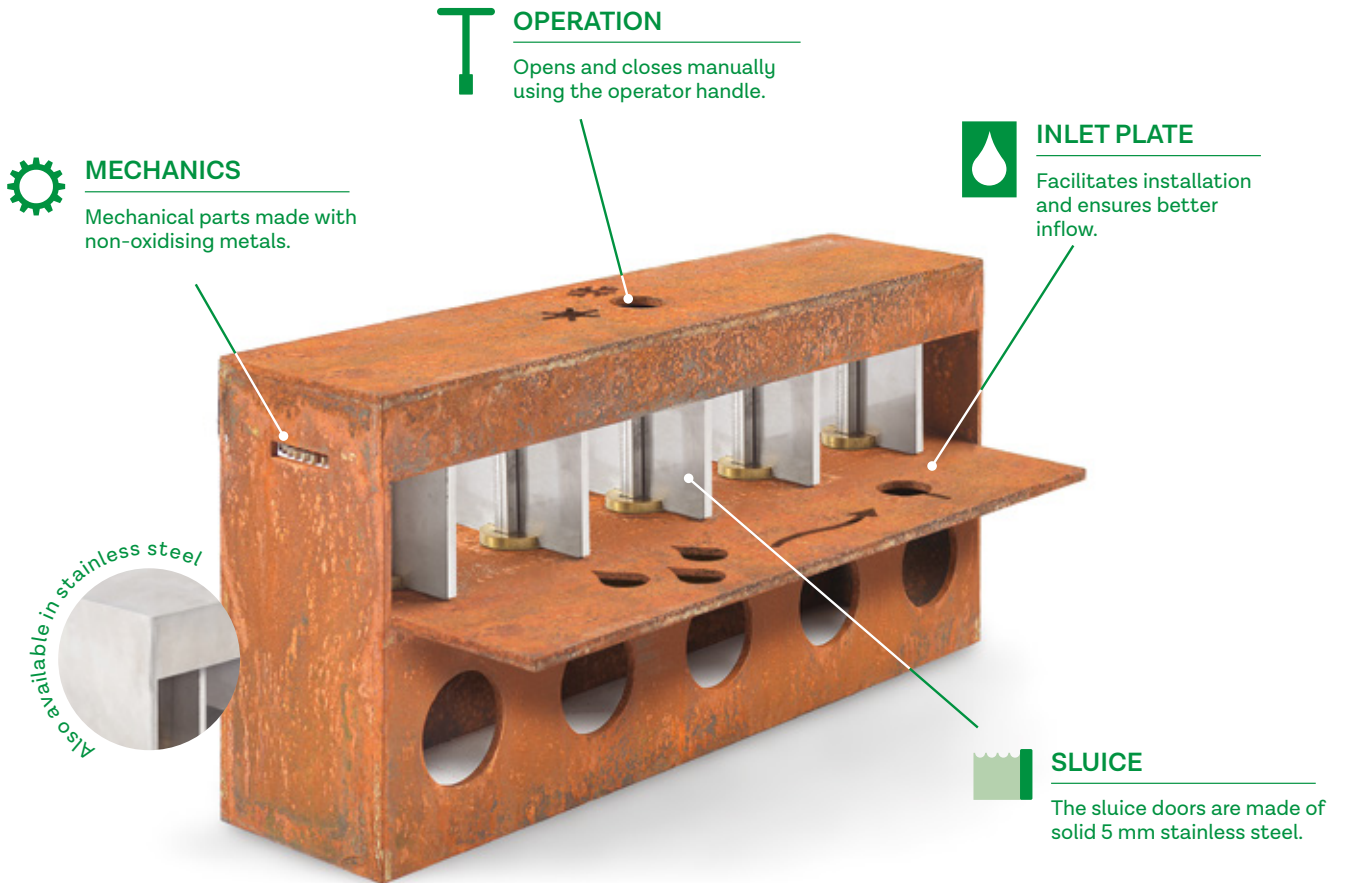


Unique benefits of KerbCell™

- Routes runoff water to green infrastructure for most of the year, managing most of the annual precipitation locally, without overloading the sewage system.
- Supports the implementation and health.
- Mitigates the pronounced water shortage and stress suffered by trees in cities.
- Easy to incorporate into the kerb line, contributing to a more streamlined and aesthetic look along streets by ensuring an unbroken kerb line around rain gardens.
- Salt-laden runoff water in the winter months is directed to the sewer, so soil and groundwater are not polluted unnecessarily.
- A special locking mechanism means the unit can only be operated with a KerbCell™ operator handle.
- Indicator for summer and winter position.
- Improved water seal in closed position.
- Inlet plate for better inflow and easier installation
- Information symbols on the inflow plate indicate that the unit is a drain for street ditches or rain gardens.
- Outlet plate (accessory) reduces the flow of water, preventing erosion channels and exposed inflow areas.

KerbCell LINEAR™

– For roadside swales or rain gardens, where runoff is to be at **surface level**



KerbCell CUBIC™

- For rain gardens or tree pits - with or without soils cells - where water to be **below surface**

OPERATION

The sluice opens and closes manually with the KerbCell™ operator handle.

The cover can also only be opened using the operator handle.



MECHANICS

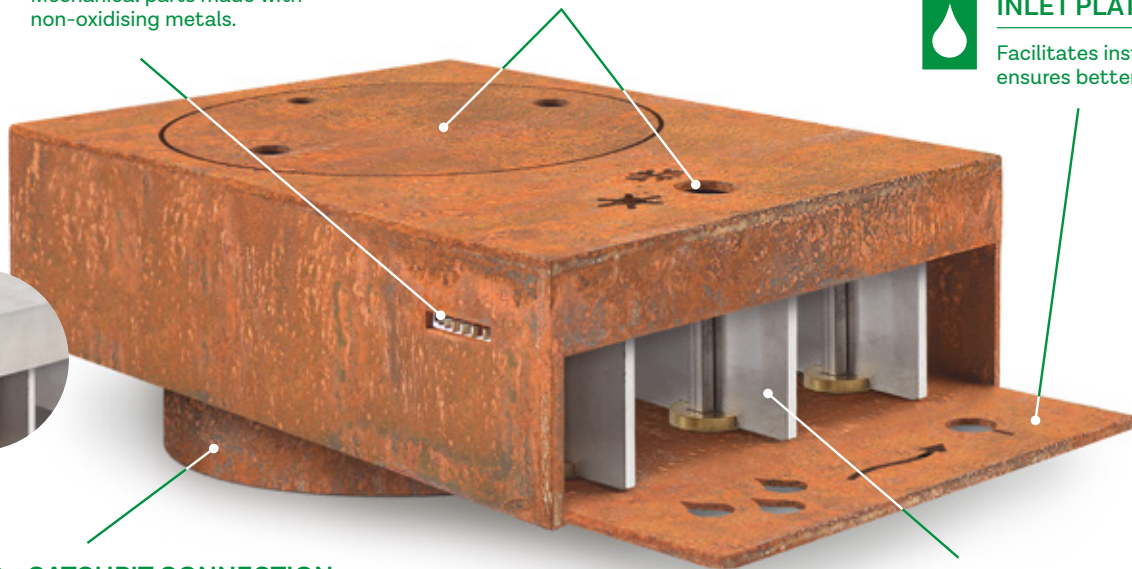
Mechanical parts made with non-oxidising metals.



INLET PLATE

Facilitates installation and ensures better inflow.

Also available in stainless steel



CATCHPIT CONNECTION

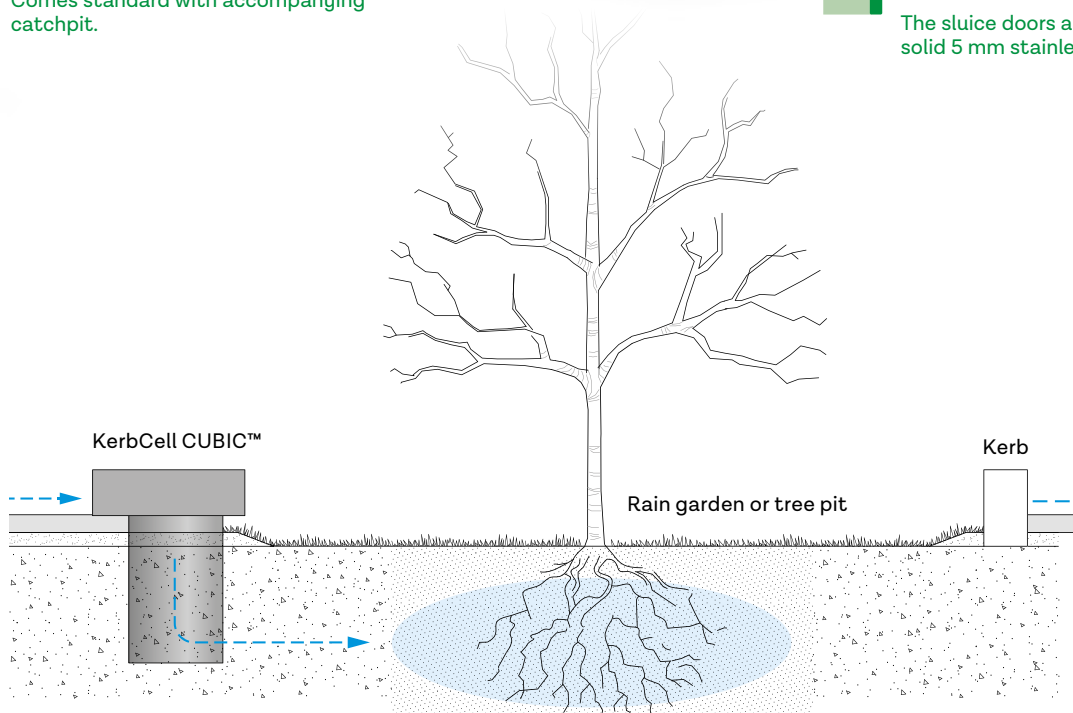
Comes standard with accompanying catchpit.



SLUICE

The sluice doors are made of solid 5 mm stainless steel.

Liveable cities



KerbCell CUSTOM™

– Engineered for specific **project requirements**



Sankt Kjeld's kvarter

KerbCell CUSTOM is for projects where a customised construction is required

KerbCell™ can be easily intergrated in drainage channels of any dimension and can be easily adapted for retrofit applications where existing surfaces and structures must be taken account of.

We offer technical support to consultants and drainage engineers to ensure an optimised design that meets project requirements.



Sankt Kjeld's kvarter



Solens Plads, Korsør



Solrød Centergade, Solrød Strand.



Horsensvej



Horsensvej

**We create liveable cities where people feel
happy, healthy and safe**

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Liveable cities