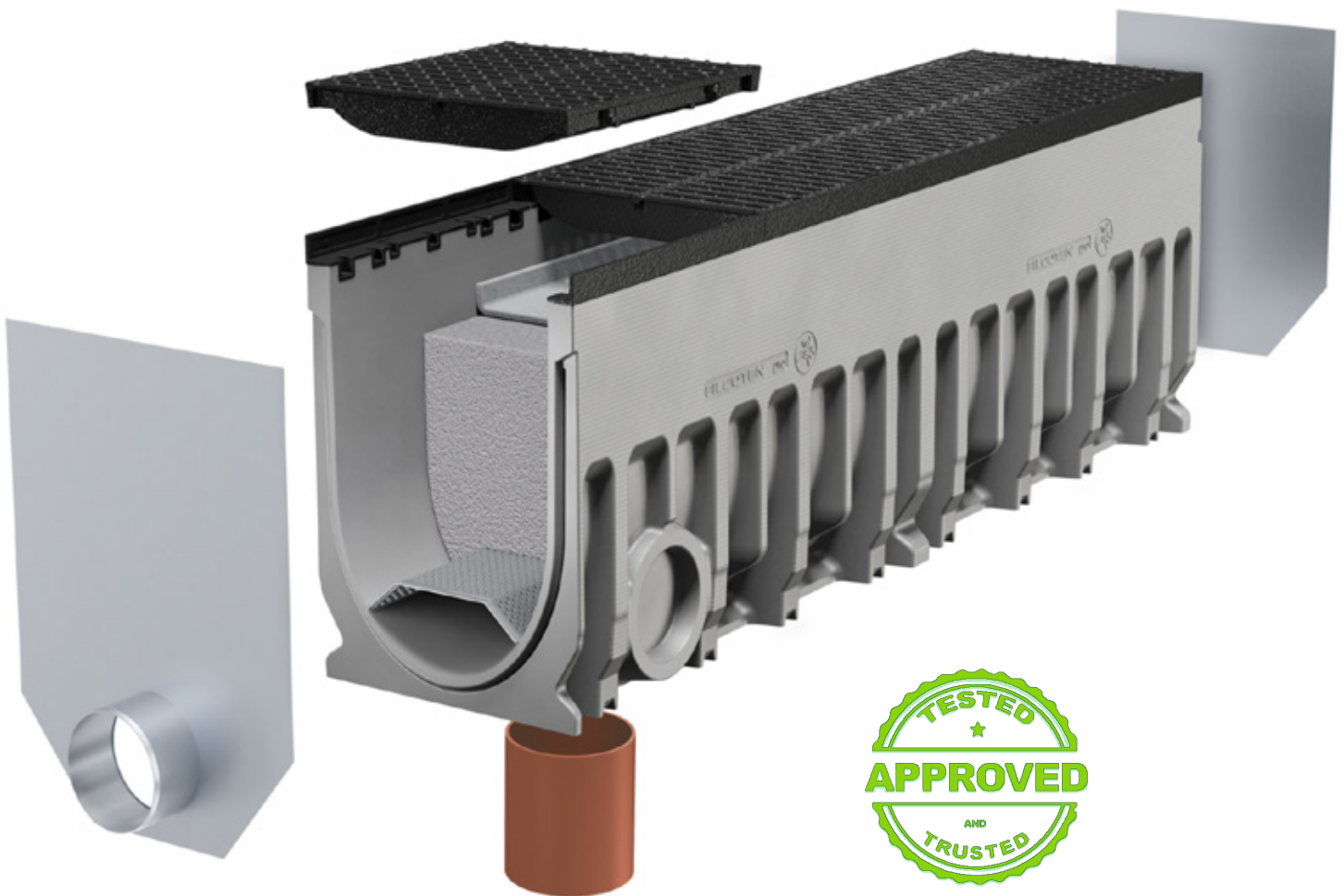


up to class E600

BG-FILCOTEN[®] green

BG-FILCOTEN Green, with our certified VIACLEAN PLUS technical filter, ensures sustainable, high-efficiency surface water filtration to remove unwanted pollutants and protect the water cycle.

This system is rated up to load class E600, making it exceptionally suited for heavy-duty applications requiring superior strength and durability.



Utilising an advanced, high-quality filter media to purify surface water runoff through filtration, BG-FILCOTEN Green effectively removes contaminants and unwanted particulates.



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up to class E600

BG-FILCOTEN[®]

green

- The pre-filter mat blocks coarse dirt and particulates, protecting the high-quality technical filter underneath. Checking after heavy rainfall and 2 times a year for heavy silting, this prefilter mat can last up to 8 years.
- The ViaClean Plus filter, tested to Austrian standard B2506-3, effectively filters surface water and prevents metal remobilization, even in proximity to de-icing salts.
- Trapezoid-shaped perforated sheet metal made of stainless steel, keeping the outlet crosssection clear at all times.
- Optional integrated control and water sampling well makes it easy to test surface water after the filtration process.

Features	Benefits
ViaClean Plus technical filter	High removal rate of hydrocarbons and heavy metals, including copper and zinc
Large channel height + Width	Large connectable treated area per linear metre of FCT Green
Pre-filter mat	Large particulate and sediment removal
Replaceable pre-filter mat + filter media	Singular component replacement available, reducing costs by only replacing what is required
No risk of remobilisation due to contact with de-icing salts	Consistent use throughout the year
Small overall system size	Easy to fit or retrofit system upstream into the SuDs management train
Filter media available for purchase in bag separately	All test results gained through internationally recognised testing method
Tested in accordance with Austrian standard ÖNORM B2506-3	Easy-to-source replacement for any end of life filtration media
15-20 year lifetime of filter media - Please refer to FCT Green maintenance guidelines	Lowers costs of replacement components, long lasting surface water solution
A few cm of puddling on the horizontal surface of the channel	Heavy storm rain is able to be accounted for, outlet only receives filtered water
Optional integrated overflow available if required	No external overflow required for heavy storm rain

up to class E600

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Pollution mitigation indices

Total suspended solids	0.9
Metals	1.0
Hydrocarbons	0.9

Pollution mitigation indices have been calculated by using test results from Austrian ÖNORM 2506-3 and converting, with guidance, from British Water "How to guide :Applying the CIRIA SuDs manual (C753) Simple index approach to proprietary/ manufactured stormwater treatment devices.

Filter surface area, retention and connection surface

Each NW400 FCT Green channel unit provides 0.39m² of filter surface per linear metre.

Based the ÖNORM certificate of the ViaClean Plus technical filter, The below table has been calculated with a filter ratio of 1:150 and an integrated overflow.

Connectable Surface Area per linear metre of NW400 Filcoten Green

Maximum Connectable surface (m ²)	Rainfall intensity(l/s/Ha)
58	208

With this calculation, every second 2 metre channel would require an internal overflow with bottom outlet underneath.



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BG-Graspointner UK Ltd
Magenta Building
2 Brookhill Way, Banbury
Oxon, United Kingdom
OX16 3ED

Phone: +44 1424 817050
E-mail: sales.uk@bg-graspointner.com
Web: www.bg-graspointner.com