# **Filterra**®

Market leading biofiltration system with a small footprint.



Biological treatment system that will remove the majority of contaminants, reduce stormwater flows and blend in to the urban environment.

Developed after decades of research, Filterra® is a next-generation biofiltration solution, designed to provide enhanced treatment outcomes while requiring as little as 10% of the footprint of traditional rain gardens.

Filterra® is a pre-engineered and manufactured plug-and-play micro biofiltration system that removes TSS, metals and nutrients using natural, biological processes. Designed to treat up to 4450mm/hr and with a maximum treatable flow rate of 7000mm/hr the Filterra® media has been optimised to operate under high flow rates while maintaining high pollutant removal performance. The Filterra® engineered media is designed for low maintenance and does not need replacing under normal conditions, making it one of the most cost-effective treatment devices to maintain.



### **Key Benefits**

Delivered as a plug ar	nd play solution.
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Low life cycle cost.

Small footprint.

Proven and verified performance.

Fraction of the size of traditional raingardens.

Enhanced dissolved heavy metal removal.

Very High Sediment Removal

## **WINNER 2022**

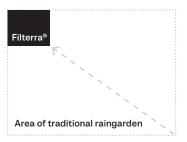
Water NZ Innovation Award Filterra® Roof

#### **Approvals**

- Auckland Council Approved for use on public and private sites.
- Christchurch City Council Approved for use on public and private Sites.

#### Configurations

- Filterra® Bioscape
- 🔘 Manhole Filterra®
- Roof Filterra®



Based on a comparison of a traditional designed raingarden (k=0.3-0.75m/d) and the Filterra<sup>®</sup> (k=2.5m/d).

#### Maintenance

- Easy maintenance with no confined space access.
- · First year maintenance included.

