

# 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 and play solution.
- 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® Bioscope
-  Vault Filterra®
-  Manhole Filterra®
-  Roof Filterra®



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

## Maintenance

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

