

Hydro Biofilter™

Remove sediment, trash, oil, dissolved metals and nutrients from surface runoff using the natural power of biofiltration.

The Hydro Biofilter™ is an innovative biofiltration system that harnesses the natural treatment action of vegetation and the filtration power of specially engineered soils.



Benefits

Remove high levels of pollutants with the natural and engineered filtration technology.

The Hydro Biofilter™ contributes to attractive urban areas and street scenes and supports local biodiversity.

The Hydro Biofilter™ is compact, but able to handle a high through flow, making it ideal for both new build and retrofit applications.

The filter media and internal components are delivered pre-packaged in the concrete chamber to facilitate easy drop-in installation.

Treated stormwater can be discharged to a drainage outflow, watercourse or onwards for infiltration if soil conditions allow.

The Hydro Biofilter™ can also be integrated with secondary attenuation or infiltration such as the Stormbloc® Optimum geocellular systems.

Targeted Removals

Fine particles

Gross pollutants (litter / leaf debris)

Liquid and sediment bound hydrocarbons

Sediment bound heavy metals, sediment bound nutrients

Dissolved pollutants

Application Information

Highway runoff

Integration into street scene

Low impact development SuDS schemes

Supermarket car parks

Park and ride schemes

Watercourse, pond, basin and wetland protection

Retrofit to residential, commercial and industrial sites