



spelstormwater
joy in water

SPEL Hydrochannel®

Stormwater Filtration Treatment in Grated Drains

OVERVIEW

The SPEL HydroChannel® offers a decentralized and absolutely new path for stormwater treatment.

It is able to filter and bind pollutants like Hydrocarbons, heavy metals as well as Total Phosphorus (TP) and Total Nitrogen (TN). The pollutants then can be disposed of safely and easily.

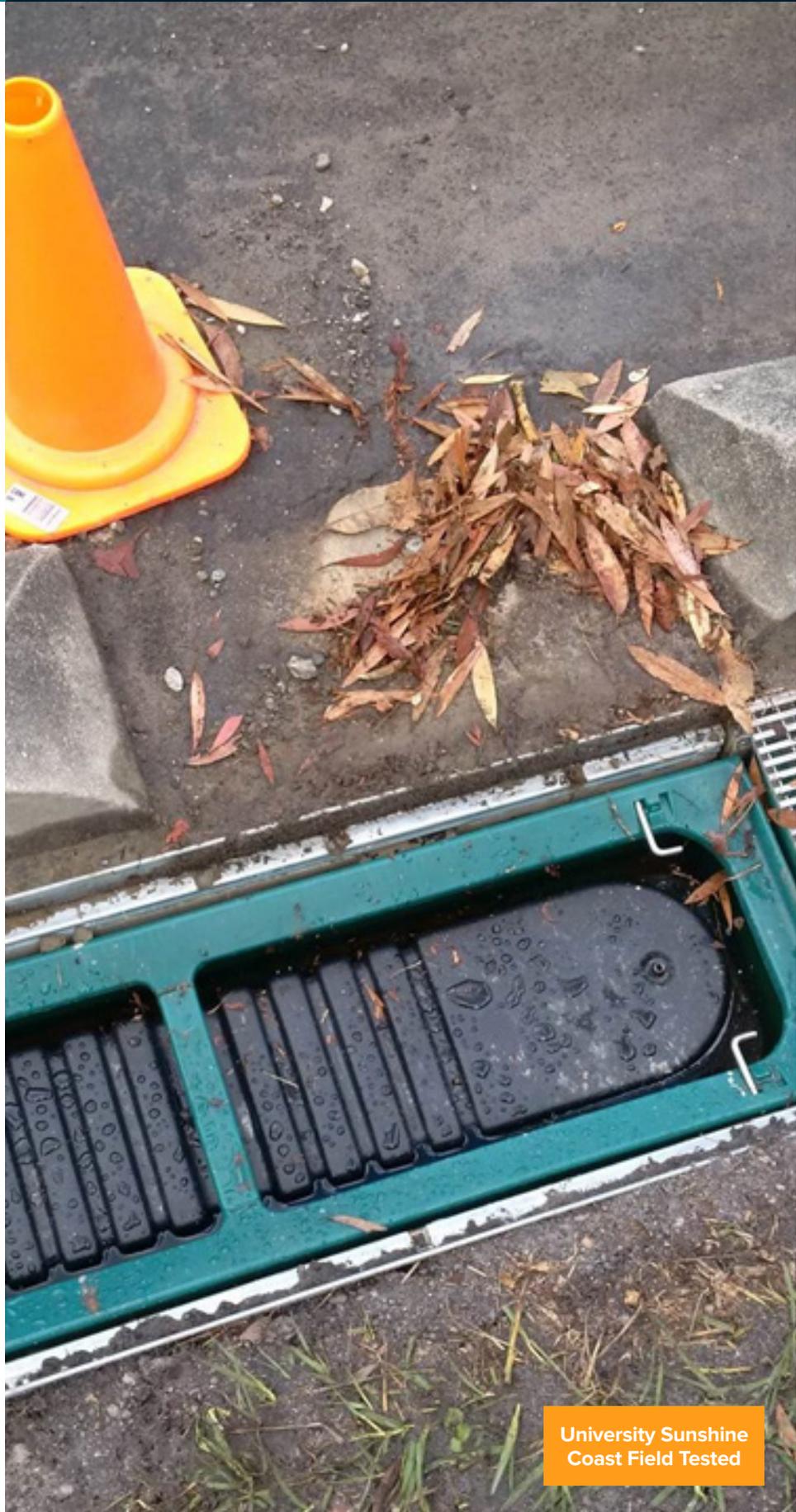
The SPEL HydroChannel's modular design means that the stormwater is treated in two steps:

1. Solids and particulates are settled in the first step
2. Dissolved contaminants are then absorbed in the filter matrix

BENEFITS

- Stormwater treatment of surfaces level
- Easy & Quick To Install and Maintain - no confined space or vac truck

www.spel.com.au



University Sunshine
Coast Field Tested

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Features

- Gross pollutant sediment, and nutrient capture.
- Insert into 300mm wide channel drain.
- Sites with little CR flat grade.
- No underground vault for cartridges.

Sizes

Dimensions (mm)
Length: 1000mm
Nominal diameter: 300mm
Catchment Area: Contact SPEL



Technical data

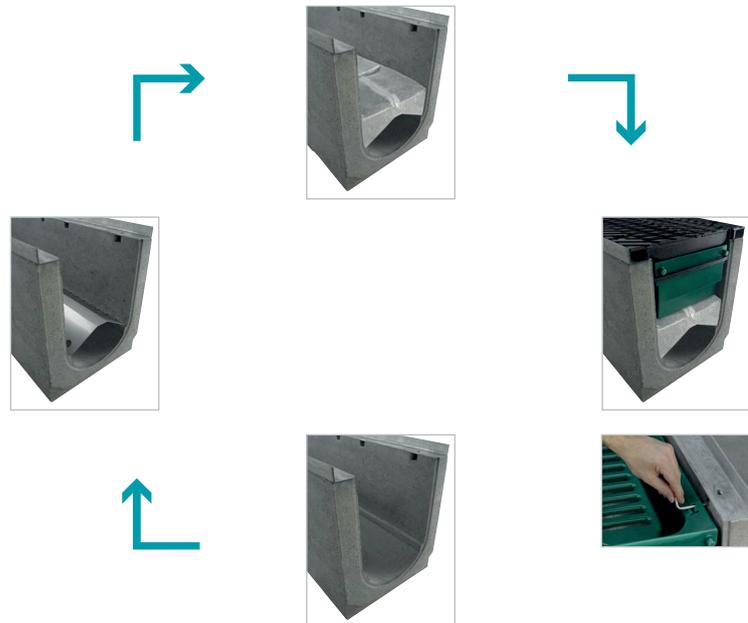
Modular design for ecological line drainage

The innovative modular design is based on a standard 300mm channel & trench grate width.

There is no need to make site specific or bespoke design amendments to the channel drainage runs.

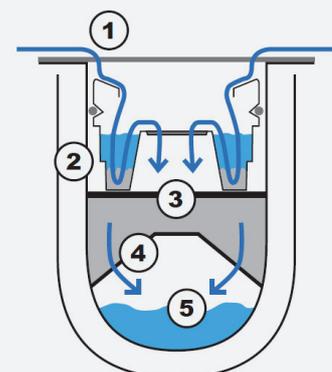
The modular interior of the SPEL HydroChannel:

- The baffle is placed on the foundation the granular filter bag's where the dissolved pollutants are removed.
- The sedimentation box is fixed with four locking pins so no water can bypass the box.



Cross Section

1. Water comes from the surface to the SPEL HydroChannel
2. The sedimentation chamber removes coarse solids, such as gravels, chippings, leaves and other solids. The rubber seal ensures a water tight seal is maintained.
- 3.&4. The pre-treated water pass through the granular filter bag, and the organic and inorganic pollutants are removed.
5. The filtered water flows over the baffle into the free flow area of the channel. It can then be re-used, or discharged to surface or ground water via infiltration.



Please note that we only supply the filter bag and poly insert.