



HydroVoid™



Water

Water is the most valuable resource on earth and therefore it is not surprising that its careful management is the focus of growing attention.

The increase in severe rainfall events, often linked to global warming, combined with the recent rapid growth in building development has placed unsustainable pressure on stormwater collection infrastructure, resulting in widespread flooding.

The financial cost of repairing flood damage ultimately affects all of us and any cost effective contribution that can be made to limit the potential negative impact of new development on the severity of future flood events is a price worth paying.

FLI Environmental's offering in this area is a comprehensive range of innovative and sustainable water management products and services, listed as follows:

- ❖ Infiltration / Attenuation
- ❖ Petrol Interceptor
- ❖ Silt Guardian
- ❖ Vortex Flow Control
- ❖ Rainwater Harvesting
- ❖ Package Effluent Treatment

HydroVoid™

HydroVoid™ is an innovative new product that finds its main application in rainwater infiltration and attenuation solutions.

General application areas:

- ❖ Road Infrastructure
- ❖ Residential Development
- ❖ Fire Water Retention
- ❖ Commercial/ Retail Development
- ❖ Water reservoir nurturing system for trees

With the help of FLI Environmental Infiltration & Attenuation systems, new developments need not cause additional stress to existing stormwater collection networks during storm events.

An effective and sustainable stormwater management system will deal with peak flows on site and also provide appropriate levels of treatment to any water discharged from or infiltrated within the development. FLI Environmental has the knowledge and product range necessary to deliver this level of sustainable stormwater management.

HydroVoid™ - Key Features

- ❖ Low weight - efficient installation
- ❖ One of the strongest boxes in the market with a design life exceeding 50 years
- ❖ Modular, fast and easy construction
- ❖ Flexible design - suitable for brick - bond formations
- ❖ Horizontal and vertical inspection and maintenance access
- ❖ Low height, ideal for high groundwater levels
- ❖ Flexibility of pipe inlets from 110-200mm
- ❖ High Void Ratio of 96%.



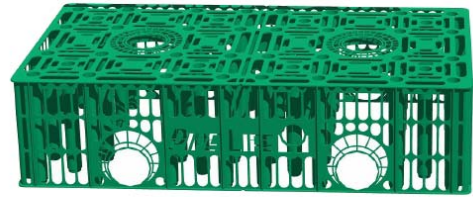
User Benefits

Use of the HydroVoid™ has many advantages:

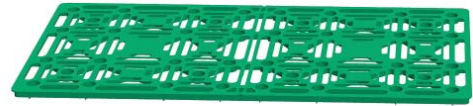
- ❖ Low in weight, highly manageable
- ❖ Modular system for fast and easy stacking
- ❖ Ground plate only needed as base
- ❖ Box can be split in two halves for flexible configuration
- ❖ Horizontal and vertical inspection possible
- ❖ Horizontal and vertical cleaning possible
- ❖ The box height of only 300 mm is ideal for high groundwater levels
- ❖ Suitable for horizontal and vertical transport of water
- ❖ Suitable Attenuation & Infiltration
- ❖ Flexibility of inlet dia. (110 - 200 mm)
- ❖ Void Ratio of 96% or 206 litre
- ❖ System can be used for trafficked and green-field applications
- ❖ Units delivered on pallets for easy unloading and transporting around site
- ❖ Cost efficient stormwater management
- ❖ Full supply and installation / certification service available

HydroVoid™ Technical Data

HydroVoid™



Ground Plate



Clips



Colour

Traffic Green RAL6024

Material

Polypropylene

Dimensions

Length: 1200 mm
Width: 600 mm
Height: 300 mm

Capacity

Nett capacity 96%, 206 l

Weight

HydroVoid™ 8.0 kg
Ground plate 1.7 kg

Maximum strengths - short term

Vertical 500 kN/m²
Lateral 85 kN/m²

Maximum strengths - long term

Vertical 100 kN/m²
Lateral 20 kN/m²

Inlets

From all side walls 110, 125 and 160 mm. From top up to 200 mm

Regulations

BRL 52250, KOMO approval pending



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