

Skeletank[®]



Drainage Systems for Housing

For Infiltration, Attenuation and Rainwater Recycling

Skeletank® Attenuation

Modular source control system

A Skeletank® attenuation system manages surface water at source on a plot-by-plot basis in accordance with current best practice.

The range of modular components includes flow control, inspection and filter chambers which are compatible with standard pipework.

The shallow construction ensures a safe, rapid and cost-effective installation. In addition, the low head resulting from the shallow construction allows flow rates from each plot to be restricted to extremely low rates, typically 0.2 litres/second.



Skeletank® Infiltration

Modular infiltration systems for landscaped or trafficked areas

Skeletank® infiltration systems provide highly efficient infiltration fields for the dispersal of surface water at source. The range of modular components includes LDC units for landscaped areas and high strength HPDC soakaway units for trafficked areas.

Wherever possible, infiltration is the preferred method for the management of surface water runoff, as set out in all current legislation and guidance.



Skeletank® Diffusion

Balanced dispersal of surface water into permeable aggregate

Skeletank® HPDC diffuser units provide an ideal solution for the balanced dispersal of rainwater into and out of open-graded aggregate. When using this technique the aggregate layer provides one level of treatment in accordance with CIRIA C697 – The SuDS Manual.

Skeletank® HPDC units are fully compliant with the sub-base replacement clauses of BS7533-13:2009 – Pavements constructed with clay, natural stone or concrete pavers.



Skeletank® Rainwater Recycling

Modular recycling system for sustainable living

The Skeletank® attenuation system is adaptable to operate as a rainwater recycling system, while maintaining full flow control effectiveness.

The modular components make the system especially effective for retrofit to existing properties. Systems are designed to be fully compliant with BS8515:2009.



Skeletank®

By Hydro WMS



Ideally suited for under driveways & lawned areas of individual homes.



Skeletank® attenuation module

Innovative Source Control Solution for Residential Developments

Skeletank® systems provide solutions for the management of surface water runoff from residential developments. These systems meet the requirements of all current drainage legislation and guidance. The modular, lightweight and easily installed components are used to manage runoff within the boundaries of individual properties.

Reduced Drainage Works

These source control solutions allow developers to improve their cash-flow by significantly reducing expensive and time consuming up-front drainage works.

Design Flexibility

Skeletank® systems offer designers the opportunity to provide a bespoke, cost-effective solution to suit individual site requirements. Systems can be designed on a plot-by-plot basis to provide infiltration, attenuation or rainwater recycling options in combination with both pervious and impervious surfacings.

Accreditation

Skeletank® attenuation and infiltration systems assist developers and designers in meeting the requirements of SUR1.

The inclusion of a Skeletank® rainwater recycling system can also assist in attaining accreditation to Level 4 and above of The Code for Sustainable Homes. A Skeletank® rainwater recycling system may also provide an attractive benefit to potential purchasers.

Modular System

Skeletank® systems are suitable for new developments and are also ideal for the retro-fitting of SuDS measures to existing properties and housing estates. Their modular nature and shallow construction ensures a safe, cost-effective and rapid installation.

Key Services

- Design and specification service
- On-site technical support
- Ground investigation service
- Complete integrated surface water management solutions



System Benefits

- Manages surface water runoff at source (within the curtilage of each plot) in accordance with the SuDS management train as defined in CIRIA C697 -The SuDS Manual
- The use of SuDS techniques can assist with local authority approval
- Provides highly efficient, tailored solutions for infiltration, attenuation or rainwater recycling to suit site-specific requirements
- Minimises volume requirements for adoptable attenuation systems
- Reduces up-fronts costs and improves cash-flow management
- Minimises excavation, which is especially cost-effective where adverse site conditions exist e.g. high water tables, shallow bedrock or underlying contamination
- Provides CDM benefits due to shallow excavations
- Modular and lightweight components allow ease of installation and flexibility of design
- Most Skeletank® systems provide a minimum of 1 level of treatment as defined in CIRIA C697 - The SuDS Manual
- Manufactured in the UK using recycled and recyclable materials
- Ideal for both new-build and retrofit
- Diffusion modules fully compliant with sub-base replacement clauses of BS7533-13:2009 - Pavements constructed with clay, natural stone or concrete pavers

Find out more about Skeletank® at:
www.skeletank.co.uk

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Meet the team



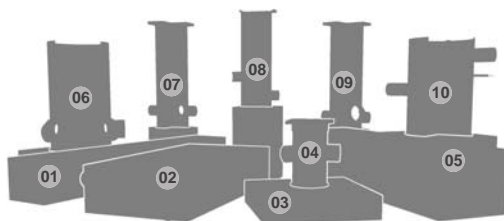
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01. SELH02001 HPDC Diffusion/Infiltration Unit
02. SELH01001 Skeletank Rainwater Storage Unit
03. SELH02003 HPDC Diffusion Unit
04. SELH03002 Downpipe Filter Chamber
05. SELH02002 LDC 'Landscaper' Infiltration
06. SELH04001 Catchpit 160
07. SELH03003 Catchpit 110
08. SELH03001 'Controflow' Mini Flow Control Unit
09. SELH03004 Catchpit 110/160
10. SELH04006 Rainwater Pump Chamber

Skeletank is a Hydro WMS business

