

**PERFORMANCE
TESTED**
in Germany to EN12566-3
in combination with a Part 3 plant

Reed Beds

Natural Filtration Process



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Klargester

Reed Beds

Nature's way of helping the environment

What is a Reed Bed?

A reed bed is a natural filtration process used in conjunction with a BioDisc®, AirFlow or Sigma Sewage Treatment System to further enhance the quality of the effluent migrating into the surrounding watercourse.

Benefits

- Tertiary treatment for new applications with tight discharge consents
- Satisfies new building regulations
- Improved effluent quality for existing works
- Very low maintenance
- Aesthetically pleasing and environmentally friendly
- Easy to install and maintain
- Takes advantage of the heightened 'environment awareness' in the UK
- Significantly improves discharge after a treatment plant
- Additional running costs only when a pump is required

Design

- Advanced Patented design delivers superior performance
- Pre-fabricated to ensure correct sizing
- Modules designed with a hydraulic gradient across the length of the units
- Performance tested in Germany to EN12566-3 in combination with a Part 3 plant
- Adjustable outlet weir allows water level control
- Modular system comprising of individual beds:

Single house = 2 beds

Two houses = 4 beds

- One piece GRP moulding installed flush to the ground
- Reeds and GRP beds supplied. Washed pea gravel, 'growing' media by others (not included)
- Effluent discharge is typically improved by at least 50%, providing reduced BOD and suspended solids
- Provides rooting zone depth of 600mm (required by Phragmites Australis)

Other Products

Klargester manufactures a wide range of pollution control equipment including:

- BioDisc® Sewage Treatment Plants
- AirFlow Sewage Treatment Plants
- Sigma SuperSeptic
- HillMaster Package Pump Systems
- Pumpstor24 Pumps Systems
- Stormwater Attenuation Systems
- Septic Tanks
- Cesspools
- Grease & Silt Traps
- Oil/Water Separators
- Silage Effluent Tanks
- Reed Beds
- Rainwater Harvesting
- Garden Watering Systems

BioDisc® is a Registered Trademark of Klargester Environmental



Reed Bed	HRB006	HRB012
Length (mm)	2500	2500
Width (mm)	800	800
Depth (mm)	800	800
No. Required	2	4
Outlet Size (mm)	110	110



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