

# Klargester Reed Beds from Kingspan Environmental

## What is a Reed Bed?

A reed bed is a filtration process used in conjunction with a Klargester BioDisc® treatment plant to further enhance the quality of the effluent migrating into a drainage field or 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
- Significantly improves discharge after a treatment plant
- Minimal running costs, uses less than a 60w bulb (except where site levels or location requires an additional pump)

## Design

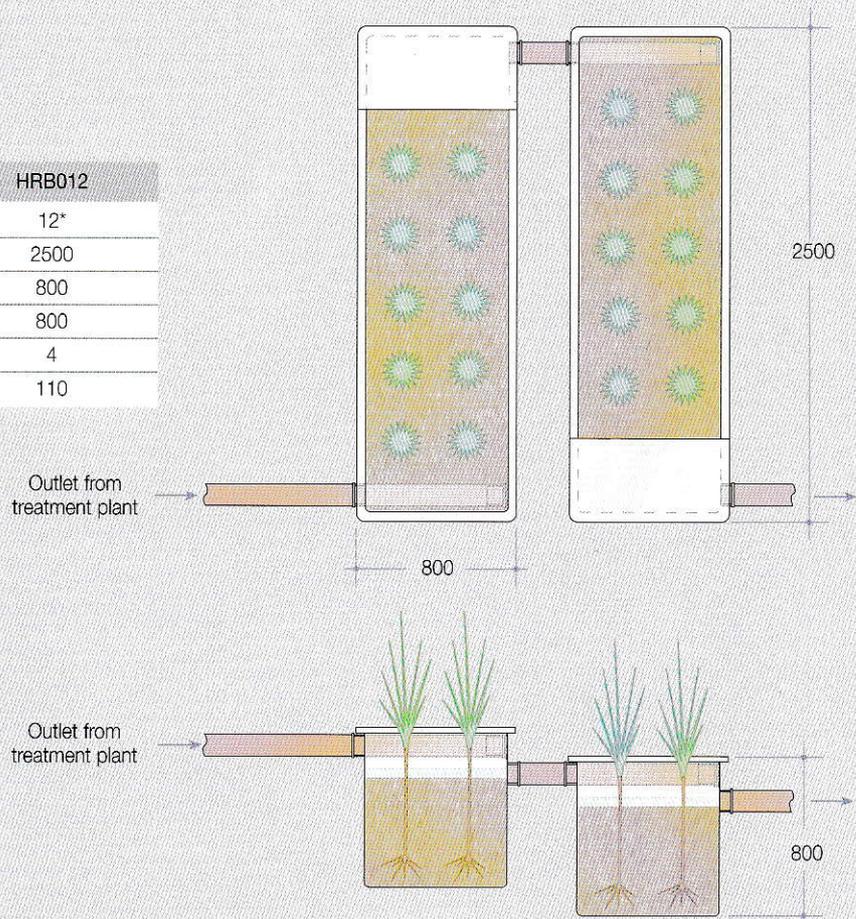
- Advanced Patented design delivers superior performance
- Pre-fabricated to ensure correct sizing
- Modules designed with a hydraulic gradient across the length of the units
- Performance tested in Germany to EN12566-3 in combination with a Part 3 plant
- Adjustable outlet weir allows water level control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



**Specification**

Reed Bed	HRB006	HRB012
Population Equivalent	6	12*
Length (mm)	2500	2500
Width (mm)	800	800
Depth (mm)	800	800
No. Required	2	4
Outlet Size (mm)	110	110

\*12 population equivalent maximum



Performance ✓  
 Tested in Germany  
 to EN12566-3

