

Water Management Solutions

Klargester

BioDisc® BA-BC Domestic Sewage Treatment Plant Range

7 YEAR
WARRANTY



KNEC PRO
POWERED BY
SMART MONITORING

With Klargester, your BioDisc® is monitored, serviced and cared for by the experts who know it best, giving you total peace of mind.

klargester.ie


Kingspan®
Light • Air • Water

Klargester BioDisc®

Domestic Sewage Treatment Plant

Support from start to finish
from our in-house team



Step 1

Free survey

Contact us and we'll arrange for a local Klargester Area Sales Manager to visit your home for a full site assessment, should you need it.



Step 2

Choice

Our professional team will work with you to help choose the correct BioDisc model.



Step 3

Set up

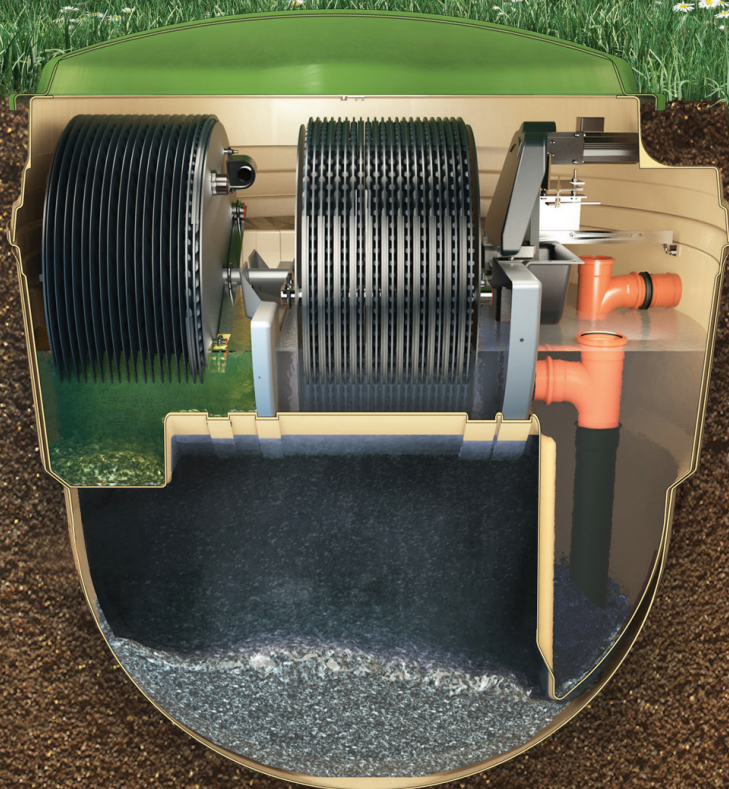
We offer full commissioning and activation for your BioDisc, ensuring it runs optimally right from the start.



Step 4

Service

We offer tailored service and maintenance packages for your BioDisc treatment plant.



1400mm*

1995mm*

* Dimensions illustrated here are applicable to the BA and BB models only.

Choosing the right sewage treatment plant for your home with Klargester

Klargester provides relevant advice and support throughout the wastewater treatment purchasing process based on our in-depth local knowledge and expertise. We offer comprehensive free site visits, professional installation options (optional extra) and aftersales care through our national network of accredited installers and engineers.

BioDisc is Third Party Tested to EN 12566-3 (GB & NI) and SR66:2015(IE)

I'm a homeowner - what do I need to consider before choosing my treatment plant?

The Klargester BioDisc sewage treatment system is available to suit all types of domestic applications, catering for single and multi-house properties. BioDisc is engineered to treat wastewater to a very high standard and offers affordable lifetime costs compared to other treatment processes.

Our team will guide you through:

- Size of treatment plant required
- Ground conditions around the plant
- Wastewater discharge options
- Invert level options

Why BioDisc®?

With strict Environment Agency standards, it's more important than ever to choose a sewage treatment plant that delivers peace of mind with reliable treatment of wastewater.

The Klargester BioDisc is built on the back of 70 years' experience and offers the following benefits:

7 YEAR WARRANTY**

Product benefits



Affordable lifetime running costs



Odour free



Trusted and reliable performance



Silent Operation

At a recent site, our team concluded that the domestic BioDisc has the same level of noise as the average ambient background noise outside (between 40-55 decibels).*



Domestic BioDisc
Decibel equivalent to a modern refrigerator

* This is a representative figure based on a Large BioDisc plant.

40-55 DECIBELS



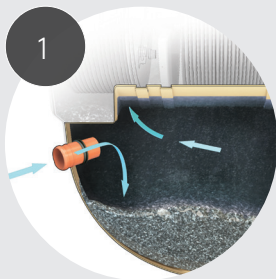
75-80 DECIBELS

Typical aerated system
Decibel equivalent to a coffee grinder machine

BioDisc is one of the few systems in the UK which doesn't make use of an air pump (used in an 'aerated' system) which means minimal odour being released. This is verified by an independent odour sampling report (available on request).

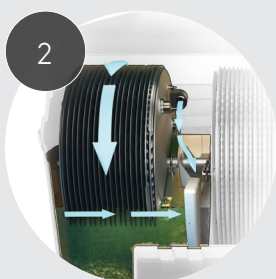
Register your guarantee online at kingspan.co.uk/klargesterguarantee to arrange your service and enjoy an extended seven year guarantee period.**
** For BA and BB BioDisc models only, when registered online - terms and conditions apply.
Visit: kingspan.com/gb/en-gb/products/wastewater-management/warranty-terms

How it works



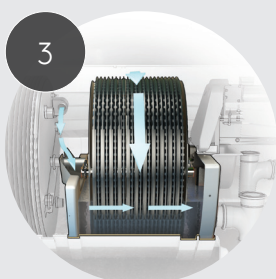
Primary settlement tank

Wastewater and sewage flows into the primary settlement tank where the large solids are retained for future removal.



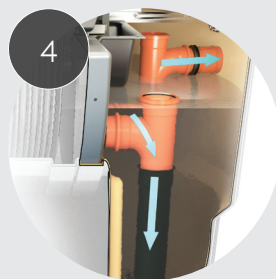
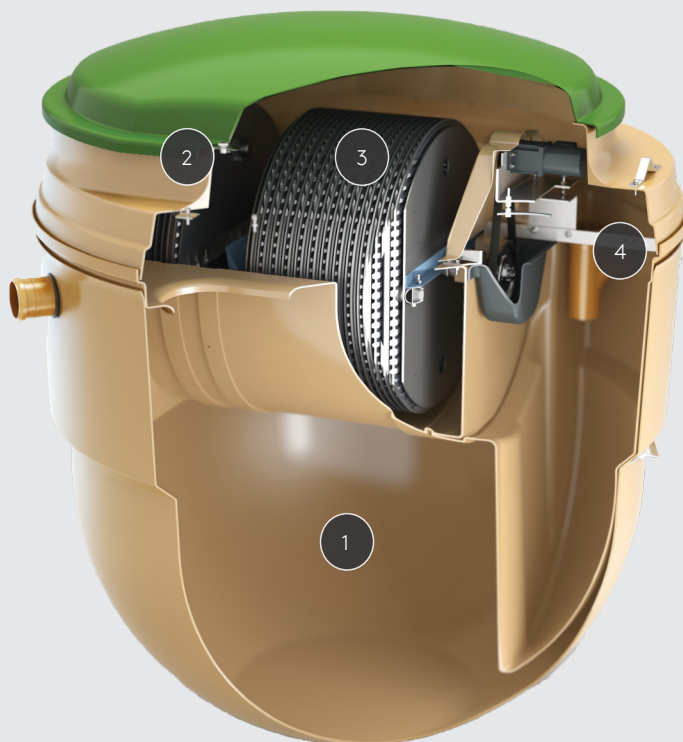
First stage biological treatment

The liquor and fine solids then flow into the Biological Treatment Zone 1 where the first stage of treatment occurs.



Second stage biological treatment

The liquor is then fed forward at a controlled rate into Biological Treatment Zone 2 for further treatment.



Final settlement tank

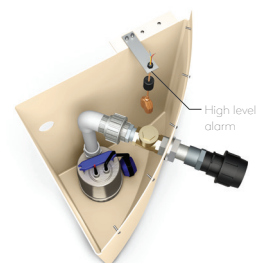
The clean liquid passes into the final settlement tank where it can be discharged to ground or water course.



Control panel and beacon featuring alarm* and digital display to signal that your system is working optimally (beacon and alarm optional extras).

SmartServ Pro

Ask us about our SmartServ Pro remote monitoring solution (optional extra). With early fault detection, SmartServ Pro lets you know when your system needs serviced, giving you peace of mind. Find out more at helpingyou@kingspan.com



Integrated Pump System also available (for pumped systems only). Our technical team will guide you through the best options for your site.

Book your free site visit from our in-house Klargester team at klargester@kingspan.com or visit klargester.co.uk

Silent
operation

Odour Free

Trusted and
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performance

Technical Specification

Unit Reference	BA (NI & ROI)	BAx (NI Only)	BB (NI Only)	BC (ROI Only)	BC (NI Only)
Population Equivalent (Std Flow)	6	9	12	12	18
Maximum Daily BOD (kg)	0.36	0.54	0.72	0.72	1.08
Maximum Daily Flow (m ³)	1.2	1.8	2.4	2.4	3.6
Ø/Width (mm)	1995	1996	1995	2450	2450
Inlet Invert depth (mm)	450/750/1250	450/750/1251	450/750/1250	600/1100	600/1100
Depth Below Inlet Invert (mm)	1400	1400	1400	1820	1820
Outlet Invert Depth (mm)	1315	1315	1315	1735	1735
Overall Height (mm)	2160/2460/2960	2160/2460/2960	2160/2460/2960	2825/3325	2825/3325
Height to Rim of Cover (mm)	1945/2245/2745	1945/2245/2745	1945/2245/2745	2485/2985	2485/2985
Empty Weight (kg)	310/325/380	310/325/380	335/350/405	650/750	650/750
Standard Power Supply	1 phase	1 phase	1 phase	1 phase	1 phase
Motor Rating - 1 Phase (Watts)	50	50	50	75	75
Full Load Current 1 Phase (amps)	0.51	0.51	0.51	1.1	1.1
Optional Power Supply	3 phase	3 phase	3 phase	3 phase	3 phase
Motor Rating - 3 Phase (Watts)	N/A	N/A	N/A	90	90
Full Load Current 3 Phase (amps)	N/A	N/A	N/A	0.38	0.38
Sludge Return Pump Rating (watts)	250	250	250	250	250

Invert level options

Three standard drain invert level options are available from stock to match the site topography and where applicable, minimise the excavation depth. The BA, BB and BA-X models are available with an integral pump to move the effluent from the point of treatment, if site level demands.

Environment Agency regulations

As an off-mains homeowner, you must comply with the General Binding Rules by ensuring your treatment system is maintained properly and does not cause pollution. These rules state that you must arrange

regular maintenance for your system, via a trusted service provider. Kingspan Service can help with servicing and alarm packages – email helpingyou@kingspan.

Protect your investment with our Service and Maintenance Plans

We recommend that you service your BioDisc sewage treatment plant **once a year**. Under Environment Agency regulations, it's now your responsibility to ensure smooth running of your plant.

Our in-house Service department offer a range of service packages including Gold, Silver and Bronze

to cater for all homeowners' needs.

To find out more about how you could benefit from a tailored service package from Kingspan, call us on **+44 (0)28 3026 6799 (NI) or 0818 544 500 (ROI)** or email helpingyou@kingspan.com

For further technical information & videos on the BioDisc treatment plant visit our website at klargester.co.uk

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