

Water Management Solutions

Kingspan



**Klargester**

# BioDisc® BA-BE Sewage Treatment Plant



[kingspan.co.uk/klargester](http://kingspan.co.uk/klargester)

  
**Kingspan**



# **Klargester** BioDisc®

## Domestic Sewage Treatment Plant

Support from start to finish  
from our expert team



Step 1

### Free survey

Contact us and we'll arrange for a local Kingspan Klargester expert 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

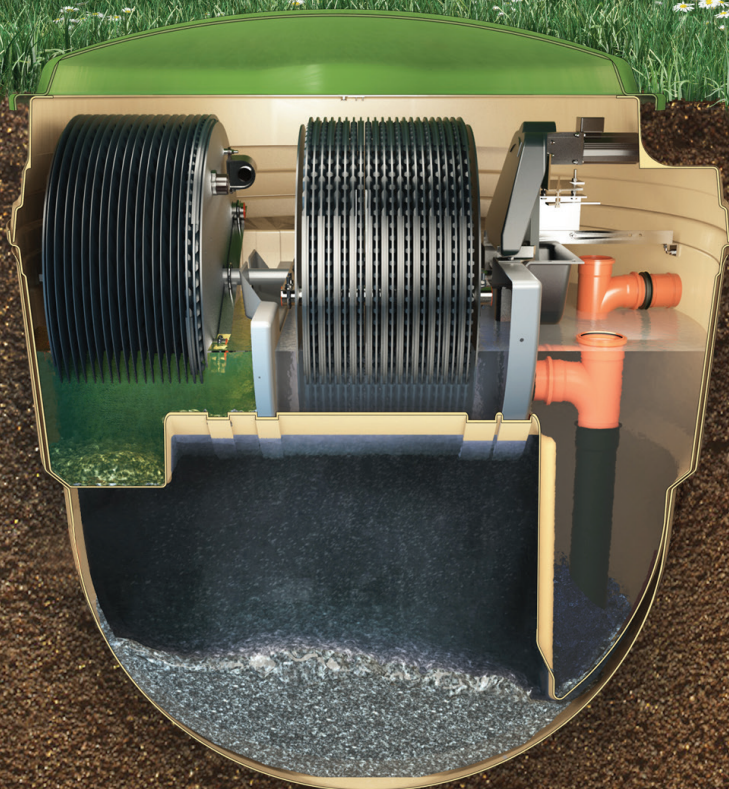
We offer full commissioning and activation for your BioDisc, ensuring it runs optimally right from the start.



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 Kingspan Klargester

Kingspan 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 expert aftersales care through our national network of accredited installers and engineers.

BioDisc is 100% compliant with European standard EN 12566-3

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

The Kingspan 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 Kingspan Klargester BioDisc is built on the back of 65 years' experience and offers the following benefits:

**7 YEAR  
WARRANTY\*\***

## Product benefits



Affordable lifetime running costs



Odour free



Trusted and reliable performance



Silent Operation

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).

At a recent site, our expert 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

40-55  
DECIBELS



Typical aerated system  
Decibel equivalent to a coffee grinder machine

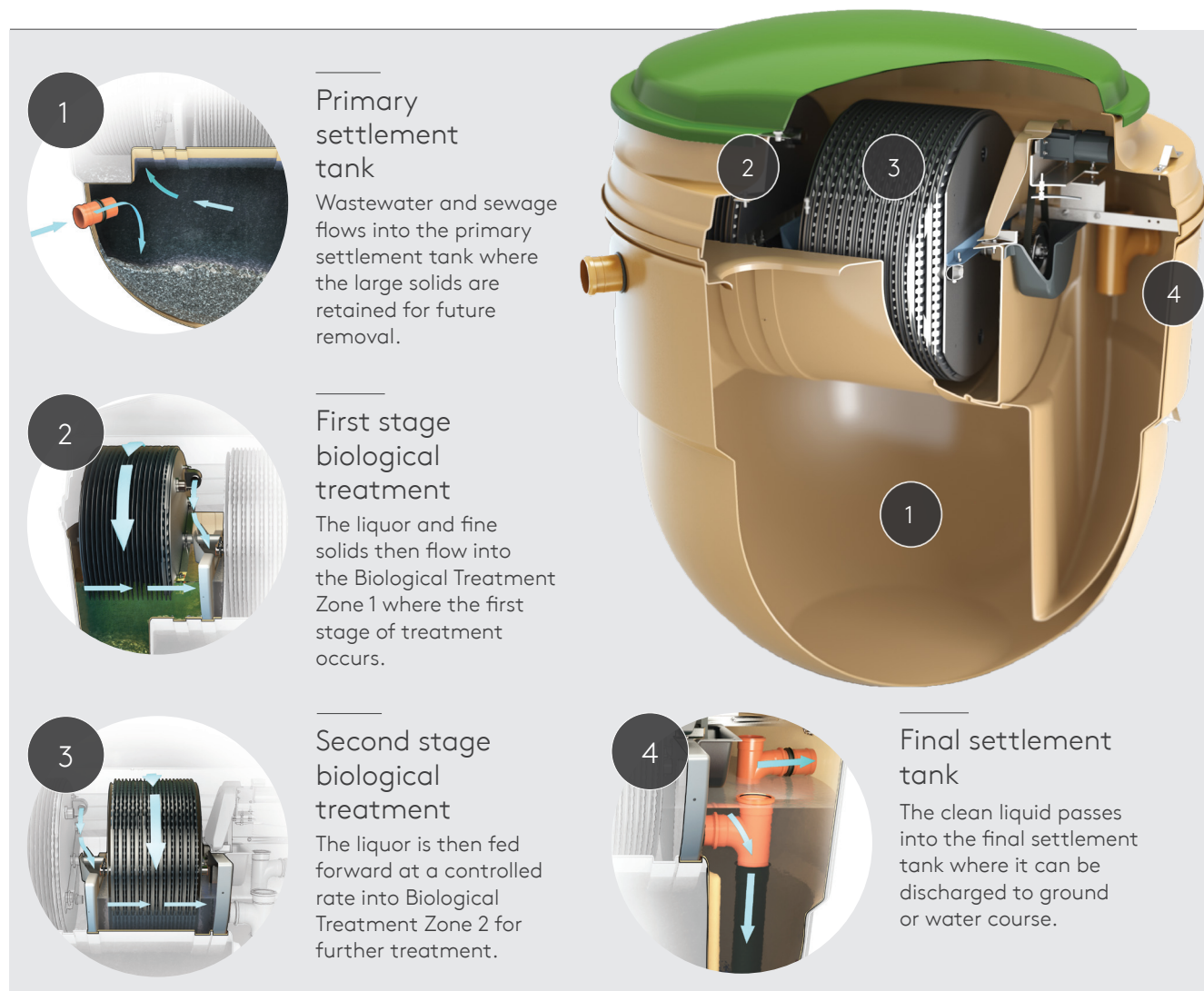
75-80  
DECIBELS

\* This is a representative figure based on a commercial BioDisc plant.

Register your guarantee online at [kingspan.co.uk/klargesterguarantee](https://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: <https://www.kingspan.com/gb/en-gb/products/wastewater-management/warranty-terms>

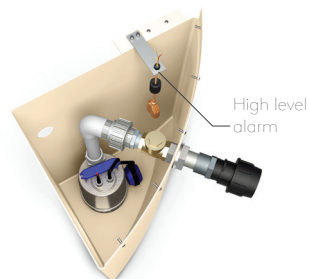
# How it works



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](mailto: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 expert Klargester team at [klargester@kingspan.com](mailto:klargester@kingspan.com) or visit [kingspan.co.uk/klargester](http://kingspan.co.uk/klargester)



Silent  
operation

Odour Free

Trusted and  
reliable  
performance

## Technical Specifications

Model Reference	BA	BAX	BB	BC	BD	BE
Population Equivalent	8	12	16	24	33	47
Maximum Daily BOD5 (g BOD5)	360	540	720	1080	1500	2100
Maximum Daily Flow (m3)	1.2	1.8	2.4	3.6	5	7
Maximum Daily Ammonia (g NH4)	48	72	96	144	200	280
Overall Diameter (mm)	1995	1995	1995	2450	2450	2450
Length (mm)	N/A	N/A	N/A	N/A	3340	3340
Inlet Invert depth (mm)	450/750/1250	450/750/1250	450/750/1250	600/1100	600/1100	600/1100
Depth Below Inlet Invert (mm)	1400	1400	1400	1400	1820	1820
Outlet Invert Depth (mm)	1315	1315	1315	1735	1735	1735
Overall Height (mm)	2160/2460/2960	2160/2460/2960	2160/2460/2960	2825/3325	2825/3325	2825/3325
Height to Rim of Cover (mm)	1945/2245/2745	1945/2245/2745	1945/2245/2745	2485/2985	2485/2985	2485/2985
Empty Weight (kg)	310/325/380	335/350/405	335/350/405	650/750	1100/1200	1200/1300
Standard Power Supply	1 phase	1 phase	1 phase	1 phase	1 phase	1 phase
Motor Rating – Single Phase (Watts)	60	60	60	173	253	253
Full Load Current - Single Phase (amps)	0	0	0	1	1	1
Optional Power Supply	N/A	N/A	N/A	3 phase	3 phase	3 phase
Motor Rating – 3 Phase (Watts)	N/A	N/A	N/A	90	90	90
Full Load Current - 3 Phase (amps)	N/A	N/A	N/A	0.38	0.38	0.38
Sludge Return Pump Rating (Watts)	250	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 expert servicing and alarm packages – email [helpingyou@kingspan.com](mailto:helpingyou@kingspan.com)

## 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 **0333 240 6868** or email [helpingyou@kingspan.com](mailto:helpingyou@kingspan.com)

For further technical information & videos on the BioDisc treatment plant visit our website [atkingspan.co.uk/klargester](http://atkingspan.co.uk/klargester)



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# Contact Details

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## UK

### Kingspan Water & Energy Ltd.

College Road North  
Aston Clinton | Aylesbury  
Buckinghamshire | HP22 5EW

T: +44 (0) 1296 633 000

F: +44 (0) 1296 633 001

E: [klargest@kingspan.com](mailto:klargest@kingspan.com)

[www.kingspan.co.uk/klargest](http://www.kingspan.co.uk/klargest)

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### Kingspan Water & Energy Ltd.

#### Service Office Details:

180 Gilford Road  
Portadown  
BT63 5LF

T: NI: 028 3836 4600 | ROI: 0818 543 500

E: [helpingyou@kingspan.com](mailto:helpingyou@kingspan.com)

[www.kingspanservice.com](http://www.kingspanservice.com)

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<https://www.kingspan.com/gb/en-gb/products/water-management/domestic-sewage-treatment-plants/klargest-biodisc-domestic-sewage-treatment-plant>

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