BioFicient







KINGSPAN KLARGESTER, WASTEWATER MANAGEMENT EXPERTS

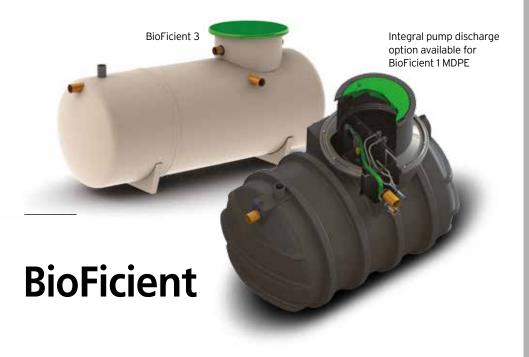
Kingspan Klargester

With over 60 years' experience in premium wastewater treatment solutions worldwide, Kingspan Klargester are here to help you make the correct wastewater system choice for your home with a fully integrated, no hassle wastewater treatment package tailored to your home's individual needs.

Introducing BioFicient

The Kingspan Klargester BioFicient treatment plant provides a reliable and effective solution for domestic applications without access to mains drainage. Suitable for homes with up to 30 people, the BioFicient is manufactured from high quality Polyethylene and uses the latest treatment technology to deliver a high level of water discharge quality. A new Integral Pump Discharge option is now available for BioFicient 1.





BioFicient offers the following benefits for the homeowner:

- BioFicient is suitable for shallow dig requirements, with minimal visual impact.
- Easy to install, requiring only a small digger due to its lightweight and unique design features, saving on-site time and expenses.
- Designed and manufactured by Kingspan Klargester, BioFicient is fully compliant, tested and approved to BS EN 12566-3.

BioFicient Benefits

It's designed to the highest standards, with the following features:

- Suitable for shallow dig installations
- Robust and lightweight
- Easy and affordable installation
- High performance, efficient treatment technology
- Low power consumption
- Minimum visual impact
- An extension neck is available to allow for deeper installation on difficult sites
- Our modern design means that access for desludging is easier through the wide neck
- New Integral pump option available for BioFicient 1







EXPERTISE

• Kingspan Klargester provide you with the confidence that comes from a world leading wastewater brand. We offer expert guidance or choosing the correct wastewater treatment solution, right through to aftersales service and maintenance.

RELIABILITY

 Our wastewater solutions use tried and tested technologies.
Our reliable performance products are hassle free for ultimate

TRUST

With over 60 years' experience delivering high performance and reliable wastewater treatment systems worldwide, you can trust Kingspan Klargester.

> REQUEST A FREE SITE VISIT FROM OUR EXPERT TEAM. klargester@kingspan.com +44 (0) 1296 633 000





KINGSPAN KLARGESTER EXPERTISE, RELIABILITY AND TRUST





BioFicient unit is a new generation of package sewage treatment plant developed to treat domestic sewage waste in a simple and compact system comprising three treatment zones within a 'uni-tank' design. The moving aerated media process used is a compact development of the traditional biological process and provides a more effective and complete means of sewage treatment.

Model	Population Equivalent	Overall Diameter (mm)	Length (mm)	Inlet Invert (mm)	Outlet Invert (mm)	Material
BioFicient 1	6	1540	2500	500-1500	600-1600 / 555-1555*	MDPE
BioFicient 2	8	1425	3760	500-1500	600-1600	GRP
BioFicient 3	10	1425	3760	500-1500	600-1600	GRP
BioFicient 4	15	1920	3230	500-1500	600-1600	GRP
BioFicient 5	20	1920	4390	500-1500	600-1600	GRP
BioFicient 6	30	1920	6220	500-1500	600-1600	GRP

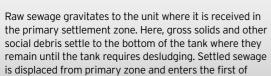
^{*}BioFicient 1 IPS model only

BioFicient sewage treatment system is available in variety of sizes for all types of domestic applications. Various inlet and outlet options are available to choose from. Our expert team will guide you through the correct choice and size of system for your home, after we carry out our free comprehensive site assessment.









two sequential moving aerated media reactors.



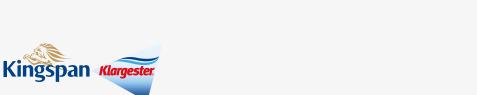
Solids are broken down by air agitated media in the Biozone. Media and liquid circulation in the Biozone is achieved through the use of a compressor and diffuser, which introduces fresh air into each compartment. The liquor is constantly re-circulated and contacts the moving media and as it does so, it is purified by the micro organisms growing on the surface of the media and within the moving liquor. Excess growth of biomass is shed as solid particles into the liquor.



The final settlement tank is where humus solids settle to form sludge. At preset intervals, portions of the sludge and liquor are returned to the primary tank for additional treatment.

BioFicient from Kingspan Klargester

For further technical information and videos on the BioFicient treatment plant visit our website at kingspanklargester.com









We stand by the quality and performance of Kingspan Klargester products and our support doesn't stop once your tank is installed. We're on standby 24/7 with guidance on servicing and maintenance and offer tailored warranty options. Our trained professional support team is only a phone call away.

Peace of mind with extended warranty options

We offer an extended and tailored warranty or bond on your sewage treatment plant to suit your needs and budget. This cost effective package offers the benefits of scheduled maintenance inspections to ensure your system performs at optimum levels at all times.

Customer support when you need it

Our friendly local customer service team are on hand with professional advice. Contact our sales office on +44 (0) 1296 633 000 or use our support email address klargester@kingspan.com

Service and maintenance

Regular tank maintenance is recommended to ensure optimal performance of any system. When your tank is due to be serviced, our local installers are on hand to help.



Contact your expert local Kingspan Klargester team today

Our experienced local Kingspan Klargester product experts are on hand with professional advice on all aspects of your sewage treatment system, including sizing and installation.

Book your no obligations site assessment from the global experts in wastewater treatment, Kingspan Klargester. Contact us today on **+44 (0) 1296 633 000.** You can also book your visit online at **kingspanklargester.com**



BioFicient



UK

College Road North, Aston Clinton, Aylesbury, Buckinghamshire **HP22 5EW**

Tel: +44 (0) 1296 633000 Email: klargester@kingspan.com Web: www.kingspanklargester.com

Ireland

Unit 1a, Derryboy Road, Carnbane Business Park, Newry, Co. Down, BT35 6QH

Tel: +44 (0) 28 3026 6799

Email: klargesterinfo@kingspan.com Web: www.kingspanklargester.com/ie

Norway

Skiveien 42, 1410 Kolbotn Tel: 22021920

Email: klargesterno@kingspan.com Web: www.kingspanklargester.com/no

Germany

Siemensstr. 12, 63263 Neu-Isenburg Tel: +49 (0) 6102 36867 00 Email: klargesterde@kingspan.com Web: www.kingspanklargester.com/de

Poland

UI. Topolowa 5 69-090 Rokietnica Tel: +48 (0) 61 814 4400 Email: klargesterpl@kingspan.com Web: www.kingspanklargester.com/pl



GB: 0844 846 0500 NI: 028 3836 4600 **ROI:** 048 3836 4600

Email: helpingyou@kingspan.com Web: www.kingspanenviro.com/service



