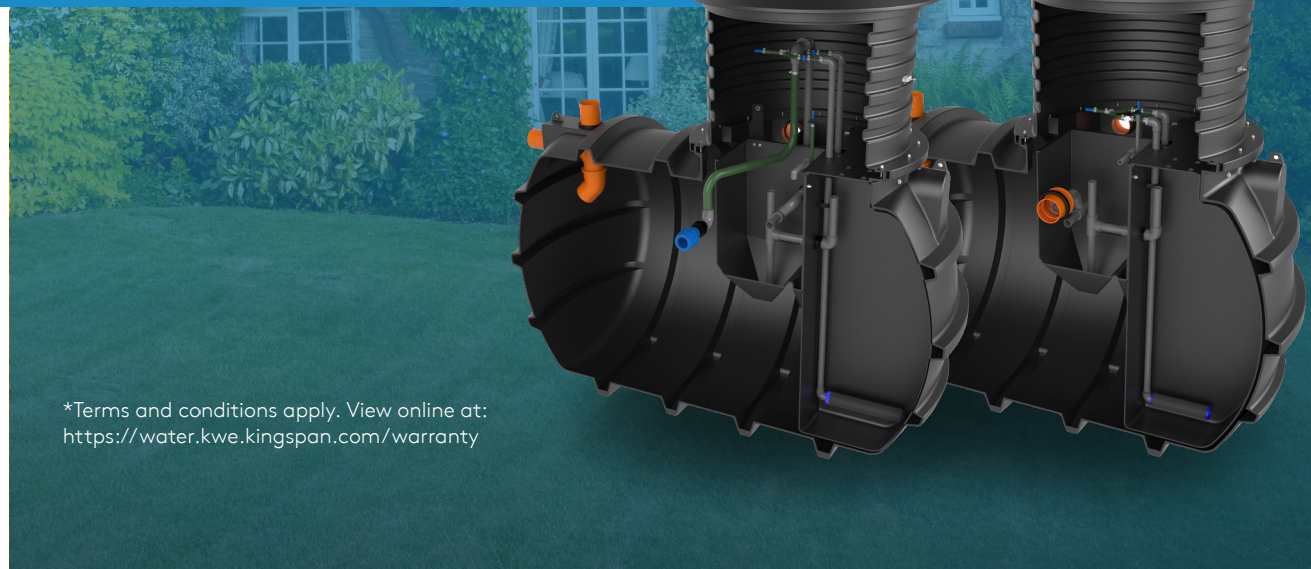


Wastewater Treatment Solutions
GB

Klargester

BioFicient PRO Domestic Sewage Treatment Plant



*Terms and conditions apply. View online at:
<https://water.kwe.kingspan.com/warranty>

The Klargester BioFicient PRO is a complete domestic sewage treatment solution, designed for reliable, efficient performance, with flexible installation options to suit a wide range of sites. Supplied with a control panel, alarm and beacon as standard, the BioFicient PRO is a connectable system that enables early fault diagnosis and remote monitoring - delivering dependable wastewater treatment with greater peace of mind.

KNECT PRO POWERED BY SMART MONITORING

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

klargester.co.uk

Klargester

How it Works



Stage 1:

Primary Settlement Tank

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



Stage 2:

First Stage Biological Treatment

The settled liquor passes into Biozone 1 where the first stage of treatment occurs.



Stage 3:

Second Stage Biological Treatment

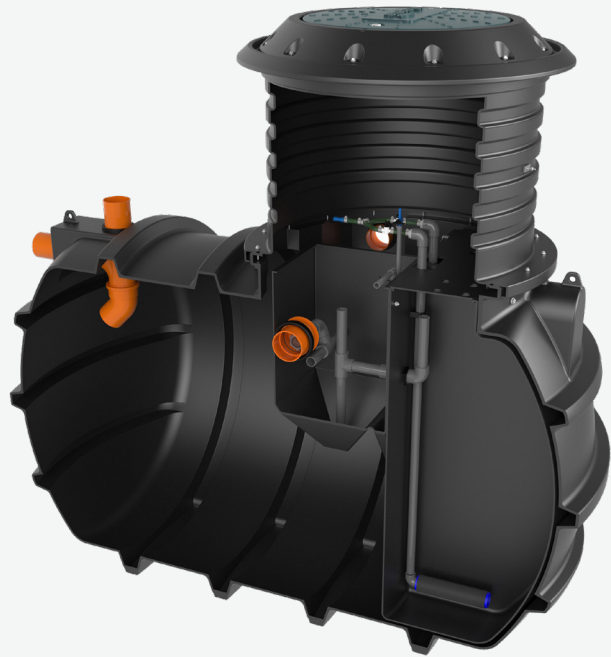
The liquor is then fed forward at a controlled rate into Biozone 2 for further cleaning.



Stage 4:

Final Settlement Tank

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



Product Features

0.4mg/l

Ammonia
Reduction



EN 12566-3



Suitable for
Shallow Dig



Suitable for
Traficked Areas
(Structural advice required)



A Fully Connectable
Solution



Lightweight &
Robust Design

Specifications

Model Reference	BioFicient 1	BioFicient 3	BioFicient 4	BioFicient 5	BioFicient 6	BioFicient 17	BioFicient 23
Population Equivalent	6	10	15	20	30	35	50
Overall Diameter (mm)	1,540	1,425	1,920	1,920	1,920	1,920	1,920
Length (mm)	2,500	3,770	3,230	4,390	6,220	7,381	9,312
Depth (mm)	1885-2795	1830/2330 /2830	2300/2800 /3300	2300/2800 /3300	2300/2800 /3300	2275/2775 /3275/3775	2275/2775 /3275/3775
Inlet Invert (mm)	590-1500 (Gravity)	500/1000 /1500	500/1000 /1500	500/1000 /1500	500/1000 /1500	500/1000 /1500/2000	500/1000 /1500/2000
Outlet Invert (mm) - Gravity	690-1600	620/1200 /1620	630/1130 /1630	630/1130 /1630	630/1130 /1630	600/1100 /1600/2100	600/1100 /1600/2100
Outlet Invert (mm) - Pumped	1155-1555	320	320	Not Available			
Material	MDPE	GRP	GRP	GRP	GRP	GRP	GRP
Blower Ratings	50W	95W	115W	180W	225W	270W	270W
Product Weight (Kgs)	285	300	450	550	740	1200	1450
Cover Sizes	600	1,440/900	1440/900+600*	1440/900+600*	1440/900+600*	1000x600 + Ø600**	1000x600 + Ø600**

* BioFicient 4, 5, 6 have two shafts.

**BioFicient 17 & 23 have 3 No. 1000 x 600 + Ø600mm shafts



For more information on
any of our products: GB:
T: +44 (0) 1296 633 033
E: klargest@kingspan.com
W: klargest.co.uk

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