

Water Management Solutions

**Klargester**

## BioTreat Tertiary Treatment System



Up to  
**99.2% BOD\***  
& **99.3%**  
Suspended  
Solids\*

Due to higher demands on wastewater effluent qualities, Kingspan Klargester have designed a new tertiary treatment module that can work as a standalone product or alongside our range of sewage treatment plants to achieve higher BOD removal.

### Why choose a BioDisc complete with BioTreat solution?

- Improved effluent quality – BOD 99.2%\*
- Improved Suspended Solids – 99.3%\*
- Reduced risk of a pollution incident
- Third party tested to EN 12566-3
- Easy to install and maintain
- Affordable service plans available



As part of our Planet Passionate programme, Kingspan are dedicated to delivering innovative surface water management technologies, developed on the back of 65 years' experience.

Terms and conditions apply. View online at <https://www.kingspan.com/gb/en-gb/products/wastewater-management/warranty-terms>



## Klargester BioTreat Tertiary Treatment System

### How it works

The Tertiary Treatment module comprises of horizontal modules constructed from GRP, filled with granular material which provides the hydraulic flow path and the environment to achieve improved effluent quality.

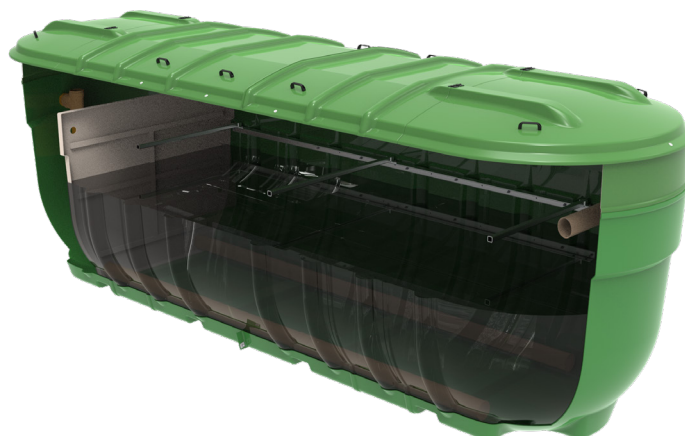
BioTreat	Model	BIOT08	BIOT09	BIOT10	BIOT11	BIOT12	BIOT13
Population Equivalent	Unit	75	100	125	150	225	275
Width	mm	2605	2605	2605	2605	2605	2605
Length	mm	7933	7933	7933	10,610	10,610	13,250
Inlet Invert	(mm)	600/1000	600/1000	600/1000	350/750	350/750	350/750
Outlet Invert	(mm)	700/1100	700/1100	700/1100	450/750	450/750	450/750

\*When the Tertiary Treatment Plant is used alongside our Klargester Commercial BioDisc the following results can be achieved:

BioDisc + Filter Module	Description	% Removal
BOD5	Biochemical Oxygen Demand	99.2%
SS	Suspended solids	99.3%
NH4-N	Ammonia	98.4%
TNb	Total Nitrogen	69.4%
Ptot	Total Phosphate	39.3%

The Tertiary Unit can be used to improve effluent quality by installing on the back of any other Treatment Plant, it will produce the following results/reductions:

Filter Module	Description	% Removal
BOD5	Biochemical Oxygen Demand	69.5%
SS	Suspended Solids	72.9%
NH4-N	Ammonia	14.3%
TNb	Total Nitrogen	27.8%
Ptot	Total Phosphate	20.4%



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