

02/11/2021

LOCATION OF NEW SPECIFIC BIO TEC TANK. 10m FROM EXISTING WATERCOURSE



Markham-Inc

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Mr M Boyes Brook House Cottage Back Lane, Hawsker Whitby North Yorkshire YO22 4LW	Proposed Layout Scale 1:100 Date: 22/10/21 Drawing no: TWO <small>Do Not Scale From Drawing</small>
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AMENDED

NYMNPA
30/11/2021

Easy to Install



Technical Specifications

Model Reference	BioTec® 1	BioTec® 1 IPS	BioTec® 2	BioTec® 2 IPS	BioTec® 3	BioTec® 3 IPS	BioTec® 4	BioTec® 4 IPS
Population Equivalent	6	6	12	12	18	18	25	25
Outside Diameter (m)	1.9	1.9	1.9	1.9	2.7	2.7	2.7	2.7
BOD Load (kg/day)	0.36	0.36	0.72	0.72	1.1	1.1	1.5	1.5
Weight Empty (kg)	195	220	217	260	445	471	470	495
Depth (m)	2.2	2.2	2.7	2.7	2.6	2.6	2.6	2.6
Inlet Invert (m)	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
Inlet Invert to Base (m)	1.2	1.2	1.7	1.7	1.6	1.6	1.6	1.6
Outlet Invert (m)	1.1	0.605	1.1	0.605	1.1	0.605	1.1	0.655
Motor Rating (watts)	60	60	60	60	150	150	150	150

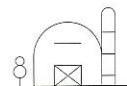
* There are two depths of inlet in the range 1.0m and 1.5m.
IPS - Integral Pump System

Applications:

The Klargest Domestic BioTec® Range is suitable for a range of applications, including:



Single & Multiple Homes



Barn Conversions



Light Industrial Premises



Farms



Small Offices

Economy Version Available

The Klargest Domestic BioTec® Economy Range is available for requirements of up to 18PE and features the following Product Benefits:

Product Benefits

- No mechanical or electrical components within the plant – low running and maintenance costs.
- Low level visibility with a lockable child-proof duty cover – safe for children and pets.
- Easy to install and maintain with annual desludging.

03

The solids are allowed to settle and under normal domestic conditions, effluent of 20mg/l BOD, 30mg/l S.S., 20mg/l Ammonia can be achieved.

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Klargester BioTec[®] Domestic Sewage Treatment Plant



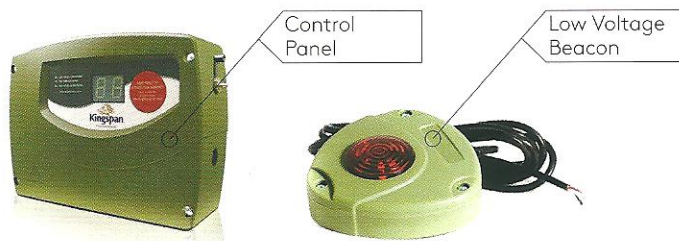
The Klargester BioTec[®] sewage treatment system is ideal for single/multiple houses and employs the well proven aerobic biological trickling filter process for the treatment of sewage.

Product Benefits

- No mechanical or electrical components within the plant - low running and maintenance costs.
- Low level visibility with a lockable child-proof duty cover - safe for children and pets.
- Easy to install and maintain with annual desludging.
- PPFDS and HLA Alarms as standard.
- Control Panel
- Beacon

Performance and Compliance

- › Certified to BS EN 12566 Part 3.
- › Assured performance of 20mg/l BOD, 30mg/l S.S., 20mg/l Ammonia.
- › Fully CE marked in line with the CPR 2013.



01

Incorporating the well-proven aerobic biological process, the BioTec[®] sewage treatment plant has a three-stage process.

Coarse solids are filtered and retained for gradual breakdown.

02

The resulting liquid is continuously distributed over a plastic suspended filter by an integral lift, powered by a remotely sited blower.