

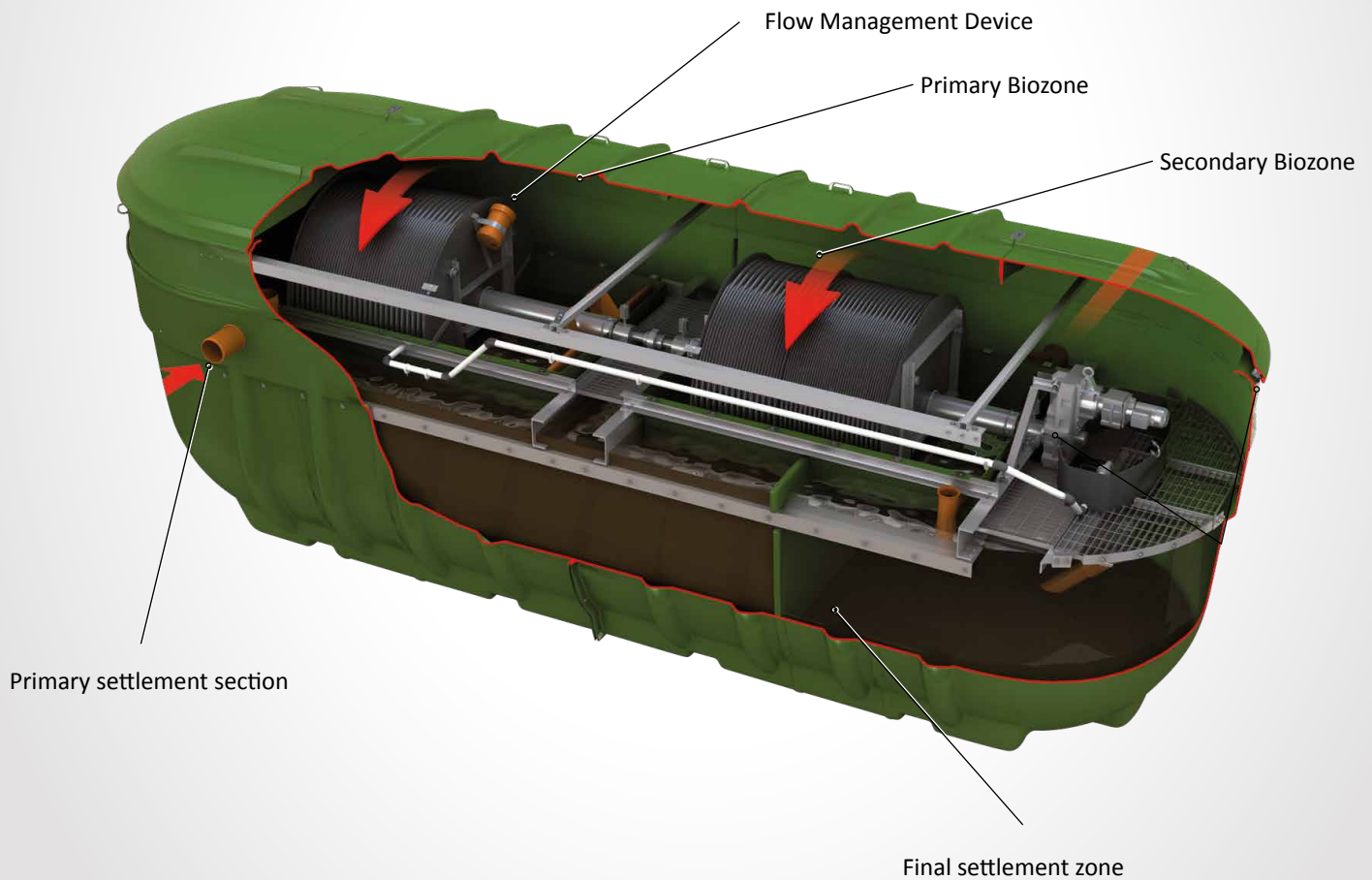
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# BioDisc®

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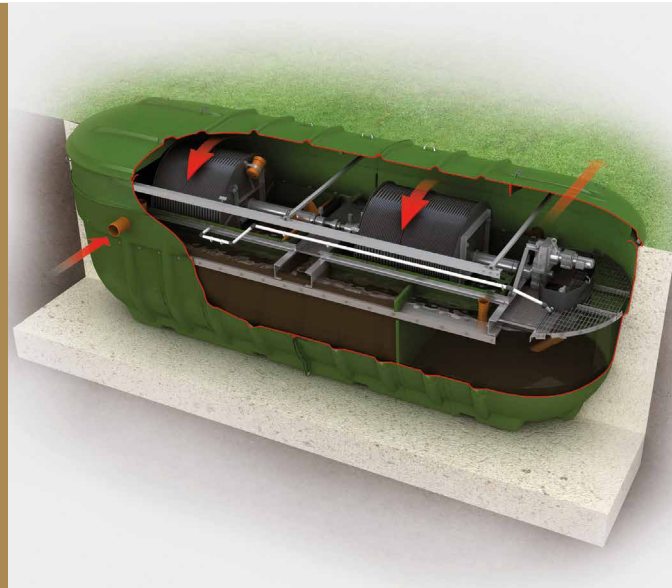
## PREMIUM COMMERCIAL SEWAGE TREATMENT PLANT

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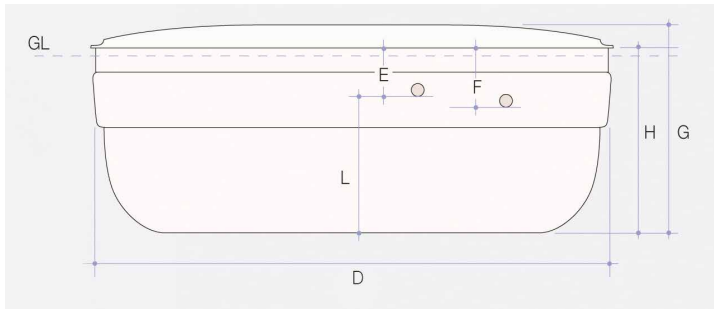


# THE PREMIUM SEWAGE TREATMENT PLANT

The BioDisc® employs a unique patented Managed Flow System which has been specifically designed to maintain optimum performance despite shock organic loadings and hydraulic surges. The plant uniquely provides four separate treatment zones within a single vessel. The rotating discs create a gentle and reliable flow path within both disc zones. The whole surface area is continually regenerated with new biological growth.



## Standard Single Piece System



GL = Ground Level

Unit code	BD	BE	BF	BG	BH	BJ	BK	BL
Maximum daily BOD (kg)	1.5	2.1	3.0	4.2	4.5	6.0	7.5	9.0
Maximum daily flow (m <sup>3</sup> /day)	5	7	10	14	15	20	25	30
D Length (mm)	3340	3340	4345	5235	7755	7755	7755	7755
Width (mm)	2450	2450	2450	2450	2450	2450	2450	2450
E Inlet Invert Depth (mm)	600/1100		600					
F Outlet Invert Depth (mm)	1185	1185	1200	1200	750	750	750	750
G Overall height (mm)	2825	2825	2825	2875	2830	2830	2830	2830
H Height to rim of cover (mm)	2485	2485	2485	2485	2500	2500	2500	2500
Weight approx. (kg)	1100	1200	1315	1660	3000	3100	3200	3300
Electrical specification								
Standard power supply	1 Phase							
Optional power supply	3 Phase							
Motor rating 1 phase/3 phase	75	75	120	180	250	250	370	370
Full load current 1 phase	1.10	1.10	1.26	1.70	1.95	1.95	2.35	2.35
Full load current 3 phase	-	-	0.42	0.63	0.88	0.88	1.35	1.35

## APPLICATIONS

- › Hotels
- › Offices
- › Schools/ Nursing homes
- › Housing estates
- › Industrial estates

## FEATURES AND BENEFITS

- › No aeration
- › No compressors - No noise
- › Virtually odourless
- › Single piece tank
- › Patented Flow Management
- › Continuous treatment even with over- or under load
- › Fully removable covers for simple maintenance

## LEGISLATION, STANDARDS & CODES

- › Designed in accordance with BF 12566 (BD-BF) and EN 12255 (BG-BL)
- › CE marked

BOD	20mg/l
Suspended Solids	30mg/l
Ammoniacal Nitrogen	20/5 mg/l

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**Kingspan**  
Environmental