

LONG EAVES FARM, PINWALL LANE, PINWALL.



Testing Institute
for Wastewater
Technology

PERFORMANCE RESULTS

Kingspan Environmental Ltd.
College Road North, HP22 5EW, Aylesbury
United Kingdom

EN 12566-3
"Small wastewater treatment system for up to 50 PT"

Small wastewater treatment system BioDisc®
Rotating biological contractor

Nominal organic daily load Nominal hydraulic daily load Material Water-tightness (water test) Crushing resistance (vertical load test) Treatment efficiency (nominal sequences)	0.29 kg BOD₅/d 1.2 m³/d glass reinforced plastic (GRP) pass pass (also wet conditions)
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COD BOD₅ NH₄-N SS	Effluent 89.4 % 59 mg/l 95.7 % 10 mg/l 88.6 % 3.8 mg/l 94.8 % 15 mg/l
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Electrical consumption	1.3 kWh/d
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Performance tested by

PIA – Prüfinstitut für Abwassertechnik GmbH

(PIA GmbH)

Hergenrath Weg 30

D-52074 Aachen



Certified according to

ISO 9001:2008

Notified Body number: 1739

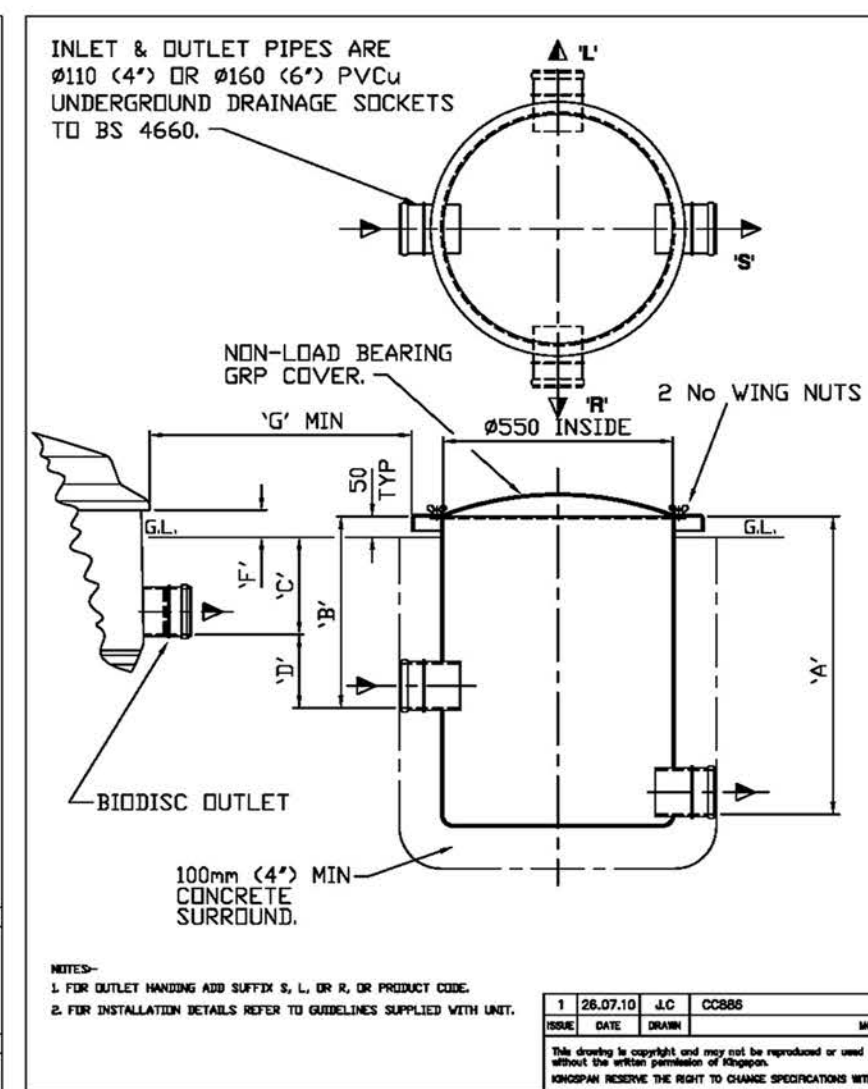
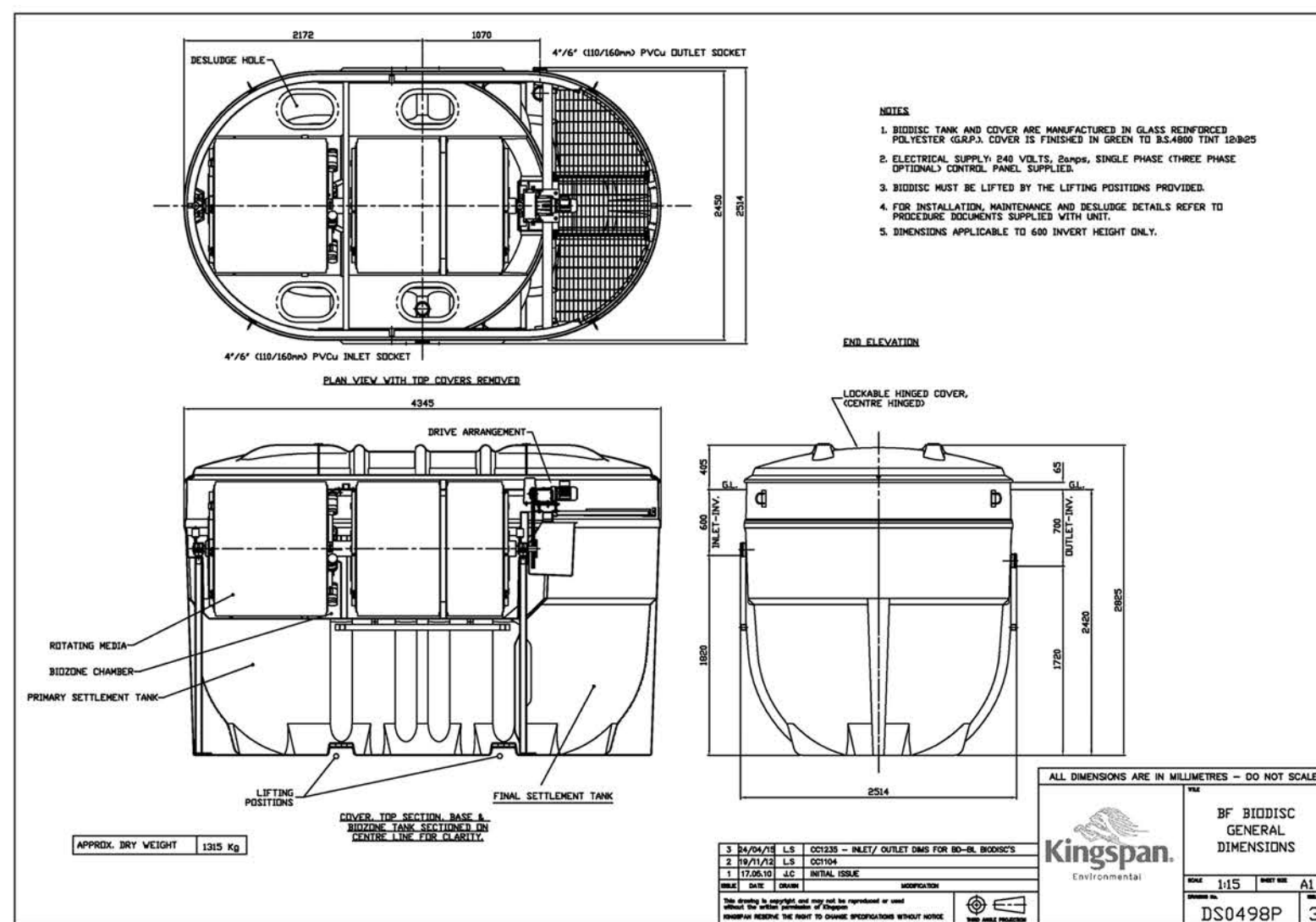


Elmar Laroche

Certified according to ISO 9001:2008

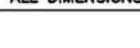
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May 2013

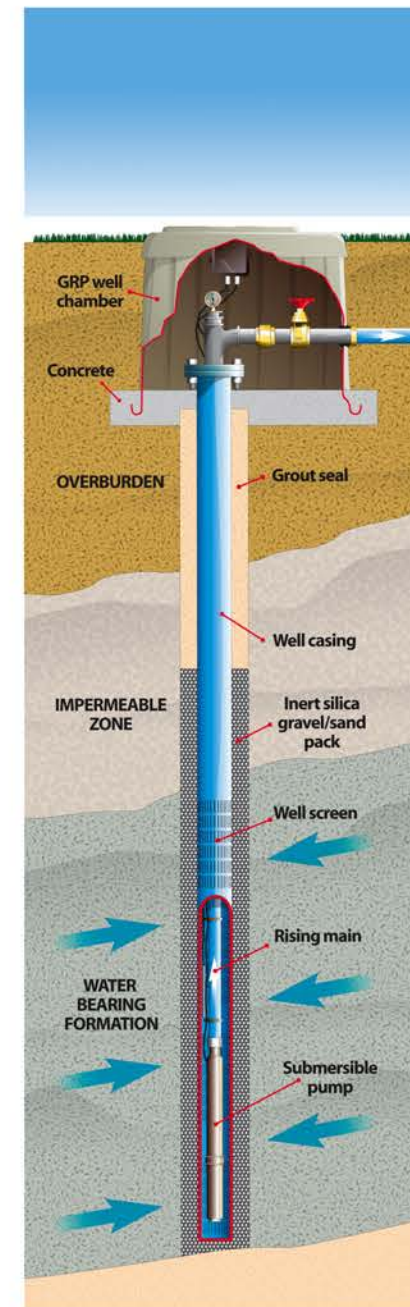


SAMPLE CHAMBER	SUITABLE FOR USE WITH THE FOLLOWING PLANT.	'A'	'B'	'C'	'D'	'F'	'G' MIN
SC1A	F5-6(P4P2) / N3-5 / 67	690	475	365	60	75	1500
SC1A	F7-9(P4P1) / N6-9 G8-10(P2P2)	690	475	350	75	75	1500
SC1B	G11-12 (P4P2)	690	525	400	75	75	1500
SC1C	F73 WITH DC/DN 12-19	650	440	340	50	-	1000
SC2A	S10-11(P4P4) / N10-11	710	580	455	75	75	1500
SC2B	S14 WITH DC/DN 12-19 S75-B	710	550	500	50	-	1000
SC3	BA & BB & 450 INV.	810	620	535	35	95	1000
SC4A	BF, BG, BH, BJ	930	795	700	45	65	1000
SC4B	ST4 WITH DC/DN 6-11	930	765	715	50	-	1000
SC4C	BC/BD/BE & 600 INV.	930	770	685	35	65	1000
SC5A	BA & BB & 670 INV.	1100	920	835	35	95	1000
SC5B	BK, BL	1100	850	750	50	65	1000
SC5C	F5-6(P4P2) / N3-5 WITH 500mm EXT. SKIRT.	1100	965	865	50	75	1500
SC5D	F7-9(P4P1) / N6-9 WITH 500mm EXT. SKIRT.	1100	950	850	50	75	1500
SC6	BC/BD/BE & 1100 INV.	1390	1270	1185	35	65	1000
SC7	No-Nc: Hvy INV.	1470	1350	1250	50	70	1000
SC8	BA & BB & 1250 INV.	1560	1420	1335	35	95	1000
SC9A	F5-6(P4P2) / N3-5 WITH 1000mm EXT. SKIRT.	1585	1465	1365	50	75	1500
SC9B	F7-9(P4P1) / N6-9 WITH 1000mm EXT. SKIRT.	1585	1450	1350	50	75	1500

NITRIFICATION UNITS USE THE SAME SAMPLE CHAMBERS
ie. BC=SC4C

ALL DIMENSIONS ARE IN MILLIMETRES -- DO NOT SCALE			
		SIZE Ø550 DIAMETER SAMPLE CHAMBER CUSTOMER DRAWING	
		SCALE 1:10	SHEET SIZE A3
DRAWING NO. 800776P		SHEET 1	

Sewage Treatment Plant



Water Borehole

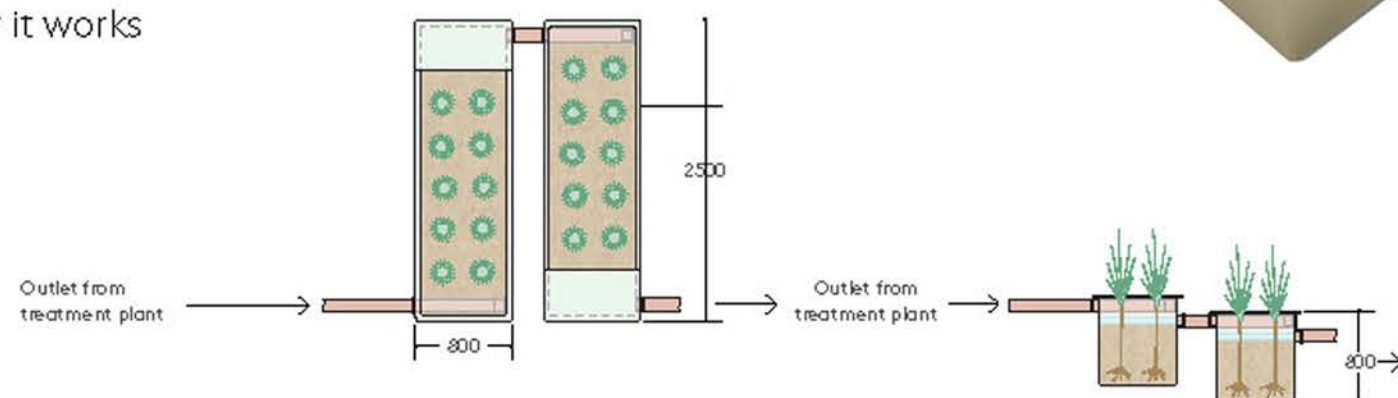


Solar Panels (roof mounted)



GSHP/Geothermal Floor Panel System

How it works



Klargester Reed Beds

BAILEY DESIGN LIMITED
ARCHITECTURAL, PLANNING & DEVELOPMENT CONSULTANTS

43a MITCHELLS COURT LOWER GUNGATE TAMWORTH
STAFFORDSHIRE B79 7AS
Tel 01827 314962

REPLACEMENT DWELLING AT LONG EAVES FARM, PINWALL LANE, PINWALL. CV9 3ND.

SUSTAINABILITY AND ECO STRATEGY.

SCALE	DATE	DRAWN	JOB No.
n.t.s.	Feb. 25..	tb.	9851.07

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