



Prüfinstitut für
Abwassertechnik
GmbH

PERFORMANCE RESULTS

Kingspan Environmental Limited

College Road North, Aston Clinton, Aylesbury, HP22 5EW, GB

Small wastewater treatment system BioDisc BA

Rotating Biological Contactor (RBC) in a GRP tank with chemical dosing

12-weeks Scandinavian holiday home test*

consisting of the following phases:

- | | |
|--|---|
| (1) 3 weeks nominal phase (100 %) | (4) 4 weeks weekend
(5 days 0 %, 2 days 150 %) |
| (2) 3 weeks weekend
(5 days 0 %, 2 days 100 %) | (5) 1 week low occupation stress (0 %) |
| (3) 1 week nominal + overloading (150 %)
(5 days 100 %, 2 days 150 %) | |

Nominal organic daily load	0.30 kg BOD ₅ /d		
Nominal hydraulic daily load	1.00 m ³ /d		
Material	GRP		
Treatment efficiency (all sequences)		Efficiency	Effluent
	COD	95.8 %	34 mg/l
	BOD ₅	97.0 %	9 mg/l
	SS	95.5 %	16 mg/l
	NH ₄ -N	95.2 %	1.4 mg/l
	N _{tot}	82.3 %	9.0 mg/l
	P _{tot}	93.4 %	0.5 mg/l
Electrical consumption	1.6 kWh/d		

*for details see test report PIA2016-289B47.SL

Performance tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH

(PIA GmbH)

Hergenrather Weg 30

52074 Aachen, Germany

This document replaces neither the declaration
of performance nor the CE marking.



Notified Body
No.: 1739



Certified according to
ISO 9001:2008



Elmar Lancé

November 2016