

PERFORMANCE DECLARATION FOR BIODISC COMMERCIAL (GRP) EQUIPMENT

1. Unique identification code of the product type:

BioDisc sewage water treatment plant BF (50 PE), BG (70PE), BH (75PE), BJ (100 PE), BK (125 PE), BL (150PE), BM (225PE), BM (300PE)

2. Type, batch, or serial number or any other identifier that allows the construction product to be identified under Article 11(4) of the CPR

BioAir Prefabricated Household Wastewater Treatment Plant: See the CE marking on the product BioDisc BF (50 PE), BG (70PE), BH (75PE), BJ (100 PE), BK (125 PE), BL (150PE), BM (225PE), BM (300PE)

3. Intended use(s) of the product as specified by the manufacturer in accordance with the applicable harmonized technical specifications:

For the collection and treatment of household wastewater from 50 up to 300 inhabitants

4. Name, registered trade name, or registered trademark and contact address of the manufacturer as required under Article 11(5)::

**Kingspan Water & Energy Ltd
College Rd North
Aston Clinton, Aylesbury, Buckinghamshire
HP22 5EW**

5. Where applicable, the name and contact details of the authorized representative whose mandate covers the tasks specified in Article 12(2):

6. System(s) of assessment and verification of constancy of performance (AVCP) of the construction product as set out in Annex V of the CPR

7. In case of a declaration of performance concerning a construction product covered by a harmonized standard: EN:12566-3:2005+A2:2013

Notified organisation:

Number of the Notified organization:

1739 + PIA Prüfinstitut für Abwassertechnik GmbH

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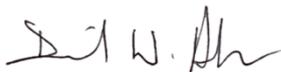


8. Declared performance(s):

Essential Characteristics		Performance		Harmonized Technical Specification
Structural behavior		Confirmed by pit test under the following conditions: EN:12566-3:2005+A2:2013 Maximum installation depth 0 m above cover level Maximum water level in wet conditions 2.49 m		EN:12566-3:2005+A2:2013
Reaction to fire		Class E		
Watertightness (water test)		Watertight (water test)		
Durability of material		Crack factor α_{material} = 0.48 (average value)		
		Aging factor (β) = 0.46 (average value)		
Treatment efficiency	COD	89.4%	59 mg/l	
	BOD₅	95.7%	10 mg/l	
	NH₄-N	88.6%	3.8 mg/l	
	SS	94.8%	15 mg/l	
	P	NPD	NPD	
	KN	NPD	NPD	
Electrical consumption		1.3 kWh/day (measured during 38-week test)		
Emission of hazardous substances		NPD		

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed on behalf of the manufacturer:



David Anderson – Director of the Water Business Unit

At Portadown on 22 September 2021

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