



TREATMENT PERFORMANCE RESULTS

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EN 12566-3 Annex B

Results corresponding to EN 12566-3 and S.R. 66

PIA-SR66-2107-1037

HydroClear MKII

Moving bed biofilm reactor (MBBR) in one polyethylene tank

Test report PIA2021-382B23

Nominal organic daily load (influent)	0.31 kg BOD ₅ /d		
Nominal hydraulic daily load	0.9 m ³ /d		
Material	Polyethylene		
Watertightness	Pass		
Structural behaviour (pit test)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	94.4 %	47 mg/l
	BOD ₅	97.5 %	9 mg/l
	TN _b *	57.8 %	28 mg/l
	NH ₄ -N*	95.0 %	2.3 mg/l
	P _{tot}	43.1 %	4.3 mg/l
	SS	96.9 %	12 mg/l
Electrical consumption	1.1 kWh/d		
Number of desludging	1		

** determined for temperatures $\geq 12^{\circ}$ C in the bioreactor*

Tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH

(PIA GmbH)

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



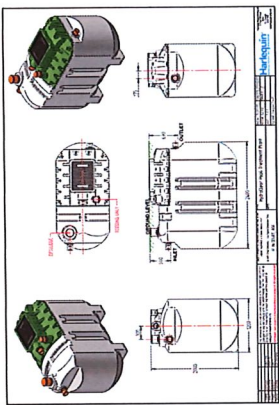
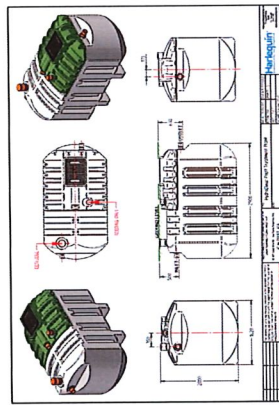
Notified Body
No.: 1739



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HydroClear MKII range and its referring test reports:

Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial type test (ITT) 6 900 I/d		Pass PIA2021-WD - 2012-1048	Pass PIA2021-382B23	Pass For wet ground conditions also, 0.50 m installation depth from inlet invert	Pass PIA2016-DH-1606-1067.01
9 1.200 I/d		Pass PIA2021-WD - 2012-1048	Pass Range conformity check according to S.R. 66:2015	Pass PIA2021-ST-PIT-2012-1048 For wet ground conditions also, 0.50 m installation depth from inlet invert	Pass PIA2016-DH-1606-1067.01

