TREATMENT PERFORMANCE RESULTS

PIA-SR66-2304-1027

BIOROCK S.à.r.l.
4-5 Z.A.E. Le Triangle Vert, 5691 Ellange, Luxembourg

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

BEASY
Media filter

Nominal organic daily load (influent)	0.12 kg BOD_5/d		
Nominal hydraulic daily load	0.30 m^3/d		
Material	Polyethylene		
Watertightness	Pass		
Crushing resistance (pit test)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	88.6 %	67 mg/l
	BOD_5	95.9 %	9 mg/l
	TN_b	31.6 %	50 mg/l
	NH_4-N*	77.7 %	12 mg/l
	P_{tot}	17.8 %	7 mg/l
	SS	97.5 %	7 mg/l
Number of desludging	Not more than once		

** determined for temperatures ⩾ 12 ° C in the bioreactor*

Tested by:
CSTB – Centre Scientifique et technique du Batiment

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

PIA – Sustainable Certification
D. Schmitz
geprüft – tested – testé

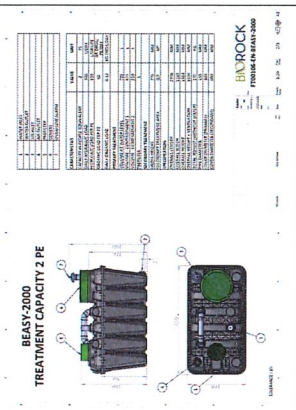
D. Schmitz June 2023

Notified Body No.: 1739

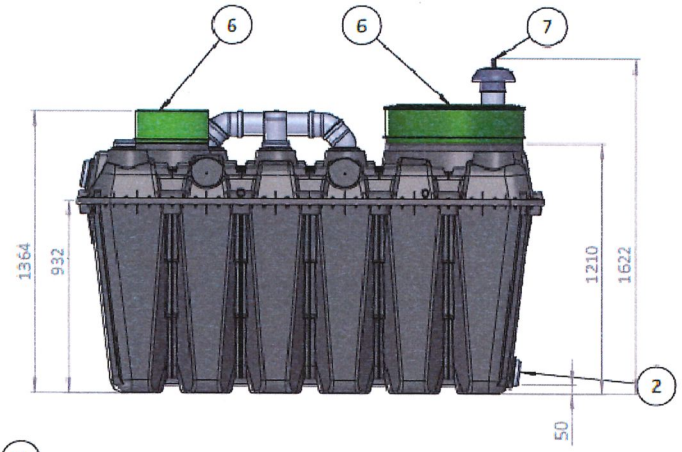
Certified according to ISO 9001:2015

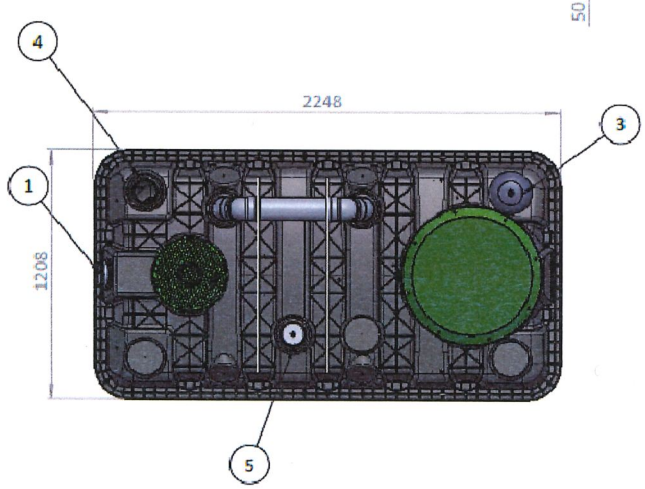
ay 2023
A-SR66-2304-1027

easy 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
nitial type est (ITT) 2 300 l/d		Pass CAPE 21-05145/2 (CSTB)	Pass CAPE21-02083 (CSTB)	Pass CAPE 21-05145/2 (CSTB) For wet ground conditions also, installation depth 0.35 m from inlet invert	Pass CAPE 21-07477_V1 (CSTB) EAU-22-12928 (CSTB)

BEASY-2000
TREATMENT CAPACITY 2 PE





TOLERANCE : 3%

1	WATER INLET
2	WATER OUTLET
3	AIR INLET
4	AIR OUTLET
5	PREFILTER
6	COVERS
7	OVERFLOW ALARM

CARACTERISTICS	VALUE	UNIT
CAPACITY IN PEOPLE EQUIVALENT	2	PE
DAILY HYDRAULIC LOAD	300	L/DAY
HYDRAULIC LOAD PER PE	150	L/DAY/PE
ORGANIC LOAD PER PE	60	GR.DBO5/ PE/DAY
DAILY ORGANIC LOAD	0.12	KG DBO5/DAY
PRIMARY TREATMENT		
VOLUME AT WATER LEVEL	725	L
VOLUME - COMPARTMENT 1	475	L
VOLUME - COMPARTMENT 2	250	L
PREFILTER	1	
SECONDARY TREATMENT		
MEDIA HEIGHT	770	MM
SECONDARY TREATMENT AREA	0.9	M^2
SPECIFICATION		
OVERALL LENGTH	2248	MM
OVERALL WIDTH	1208	MM
OVERALL HEIGHT	1364	MM
OVERALL HEIGHT + VENTILATION	1636	MM
TOTAL WEIGHT (WITHOUT WATER)	170	KG
PIPE DIAMETER	110	MM
COVER DIAMETER (PRIMARY)	300	MM
COVER DIAMETER (SECONDARY)	600	MM

REVISION	DESCRIPTION	NOM DATE	Création NOM: AQ DATE: 03/02/2022 Vérification NOM: DATE: Rev:	BIOROCK TITRE: FT00106-EN-BEASY-2000
			Echelle: Scale: 1:20	Page: Sheet: 2/3 A3