



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 $\geq 12^{\circ} \text{C}$ in the bioreactor

Tested by:

CSTB – Centre Scientifique et technique du Batiment

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



D. Schmitz

June 2023



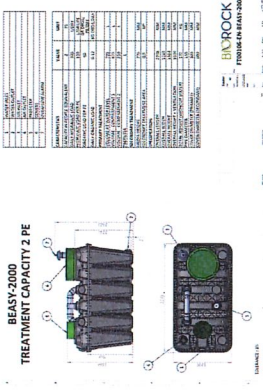
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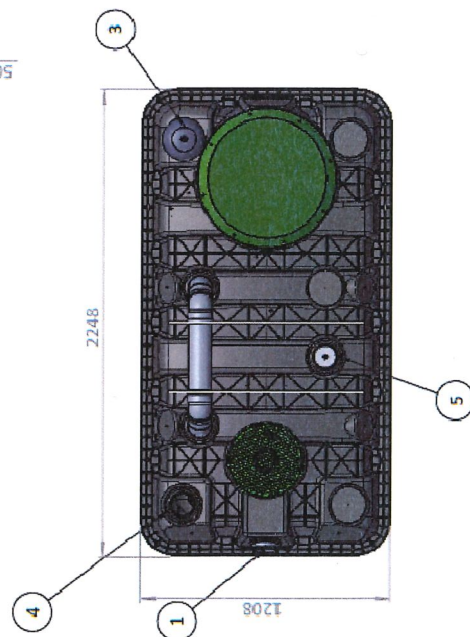
Certified according to
ISO 9001:2015



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
Initial type test (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)

Technical drawing of a 1000L waste bin. The drawing shows the bin from a side profile. Dimensions are indicated: 1622 (total height), 1210 (height to the top of the lid), 932 (height to the bottom of the lid), and 50 (height of the lid). Callouts 1 through 7 identify specific components: 1 points to the lid, 2 points to the lid handle, 3 points to the lid latch, 4 points to the lid hinge, 5 points to the lid hinge pin, 6 points to the lid hinge pin, and 7 points to the lid hinge pin.



FT00106-EN-BEASY-2000

Revision	Description	Issue Date	Rev:
01	Initial Design	01/01/2023	01
02	Design Change	02/01/2023	02
03	Design Change	03/01/2023	03
04	Design Change	04/01/2023	04
05	Design Change	05/01/2023	05
06	Design Change	06/01/2023	06
07	Design Change	07/01/2023	07
08	Design Change	08/01/2023	08
09	Design Change	09/01/2023	09
10	Design Change	10/01/2023	10
11	Design Change	11/01/2023	11
12	Design Change	12/01/2023	12
13	Design Change	13/01/2023	13
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15	Design Change	15/01/2023	15
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17	Design Change	17/01/2023	17
18	Design Change	18/01/2023	18
19	Design Change	19/01/2023	19
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21	Design Change	21/01/2023	21
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96	Design Change	96/01/2023	96
97	Design Change	97/01/2023	97
98	Design Change	98/01/2023	98
99	Design Change	99/01/2023	99
100	Design Change	100/01/2023	100

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

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	M²
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