MONOBLOCK

DOMESTIC WASTEWATER SOLUTION

The All-In-One System

TAINP



THE FUTURE OF WASTEWATER TREATMENT

BIOROCK is home to an internationally-acclaimed team of wastewater specialists who share the goal of providing innovative, sustainable, and eco-friendly water treatment systems.

Our level of expertise and attention-to-detail guarantees only the best, most reliable products, providing the market with the ultimate non-electrical wastewater treatment technologies.

ADVANTAGES AND BENEFITS OF THE MONOBLOCK ALL-IN-ONE SOLUTION

Media Lifespan Is Up To 10 Years	✓	×	×
Low Operational Costs	✓	×	×
Minimal Annual Maintenance	✓	×	×
Ultra-Compact & Discreet	✓	×	×
Non Electric	✓	×	~
ong Septic Tank Pump-Out Intervals	✓	×	~
Odourless	✓	×	V
Silent	✓	×	~
Long Absence Periods	✓	×	~

MONOBLOCK

Electrical Plants

THE MONOBLOCK SOLUTION

Our MONOBLOCK Solution

offers a simple yet effective process that requires no electricity, has no moving parts, and needs minimal annual maintenance.

This **plug-and-play sewage system** is perfect for residential properties and small establishments. It combines everything you need **to successfully and cost-effectively treat your wastewater**, while being discreet and odourless.

For your convenience, the system is delivered complete and preassembled to make installation even easier.



Step 1: Primary Tank

The PRIMARY TANK clarifies the raw sewage of fats, oils, greases and organic solids. The sewage water then passes through an effluent filter, before discharging into the BIOROCK reactor.

PRIMARY TANK

AIR OUTLET

RAW WASTE WATER EFFLUENT FILTER

Step 2: BIOREACTOR Process

Our BIOREACTOR further purifies the pretreated wastewater using a biological process.

To naturally treat the wastewater, our systems use our unique BIOROCK Media, an exclusive and very efficient carrier material for bacteria.

Step 3: Discharge

Depending on the ground type, effluent will be discharged by gravity, or by a pump.

THE UNIQUE BIOROCK MEDIA

Our **exclusive media** is degradation-resistant, stable, and sustainable - keeping the purification system working effectively over the long-term. You will exclusively find it in BIOROCK systems.











AIR INLET

GREEN LIDS

KAT KANANGANA

TIPPING TRAY DISTRIBUTION PLATE

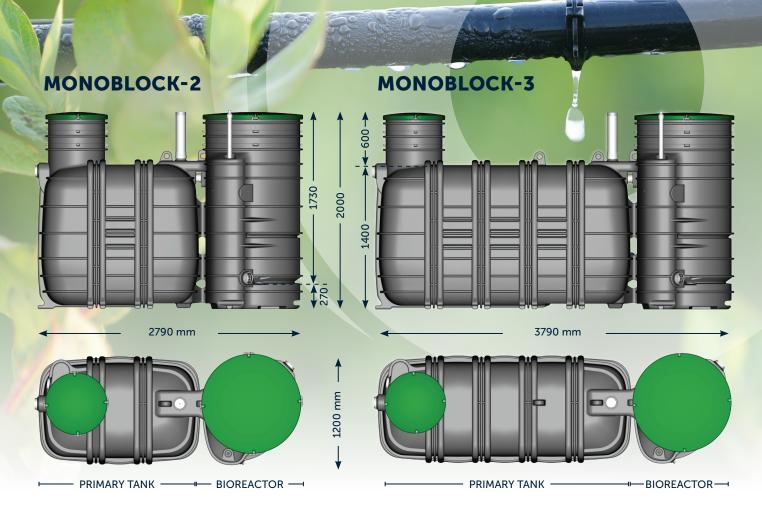
BIOROCK

AERATION

BIOROCK

GRAVITY DISCHARGE

BIOREACTOR



SAVE MONEY WITH MONOBLOCK

One of the main benefits of having a **MONOBLOCK** sewage treatment plant is that it's a long-term, sustainable, and economic investment. Our system requires minimal maintenance, does not need electricity, and has a long lifespan.

You will constantly save on electricity, maintenance, and tap water costs as you can reuse the purified water for irrigation.

MONOBLOCK-1000 SPECIFICATIONS

DIMENSIONS	VOLUME PRIMARY TANK	WEIGHT (EMPTY)
MONOBLOCK-2	2000 liters	385 kg
MONOBLOCK-3	3000 liters	480 kg



Call us today for more information

BIOROCK Sewage Treatment Ltd Adamson House (Ground Floor), Towers Business Park, M20 2YY Manchester

Contemposities Conte



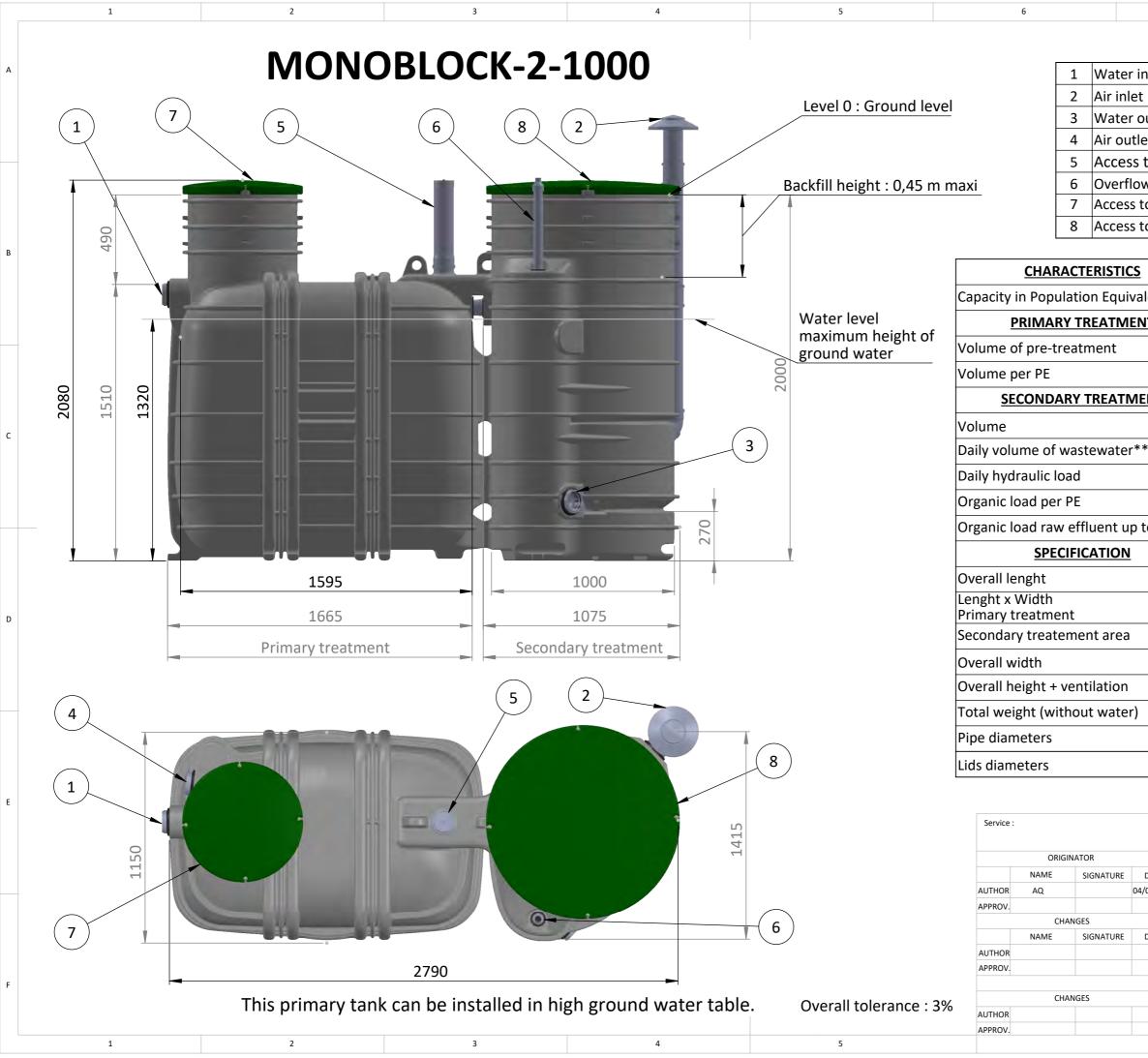


 BIOROCK units are approved and tested by many International
Standards.



25 Year warranty on tanks 10 Year warranty on media

subject to conditions

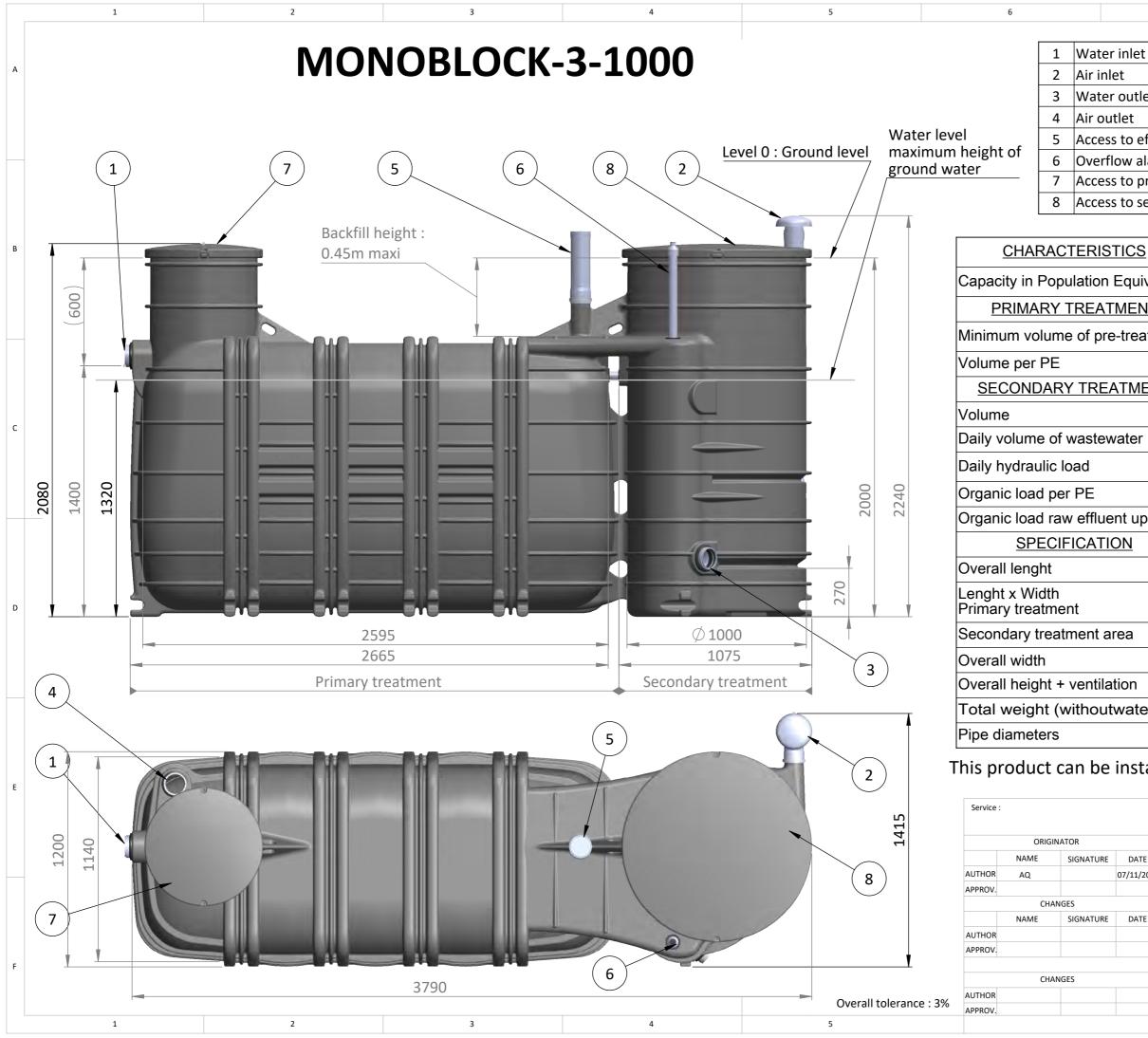


nlet
outlet
et
to effluent filter
w alarm
o Primary treatment
o Secondary treatment

VALUE	UNIT	
up to 6	PE	
VALUE	UNIT	
2000	Liters	
330	Liters	
VALUE	UNIT	
1500	Liters	
150	liters/day/PE	
0.9	m³/day	
60	gr.DBO5/PE/day	
0.36	kg DBO5/day	
VALUE	UNIT	
2790	mm	
1595 x 1140	mm	
0.6362	m²	
1415	mm	
2080	mm	
326	Kg	
110	mm	
600-1000	mm	1
	up to 6 VALUE 2000 330 VALUE 1500 150 0.9 60 0.36 VALUE 2790 1595 x 1140 0.6362 1415 2080 326	up to 6 PE VALUE UNIT 2000 Liters 330 Liters VALUE UNIT 1500 Liters 1500 Liters 150 liters/day/PE 0.9 m³/day 60 gr.DBO5/PE/day 0.36 kg DBO5/day VALUE UNIT 2790 mm 1595 x 1140 mm 0.6362 m² 1415 mm 2080 mm 326 Kg 110 mm

DATE /07/2019			
DATE	MO	NOBLOCK-2-	1000
	Nb. of PLAN	CM-Y2000.2-6	A3
	SCALE:1:20		

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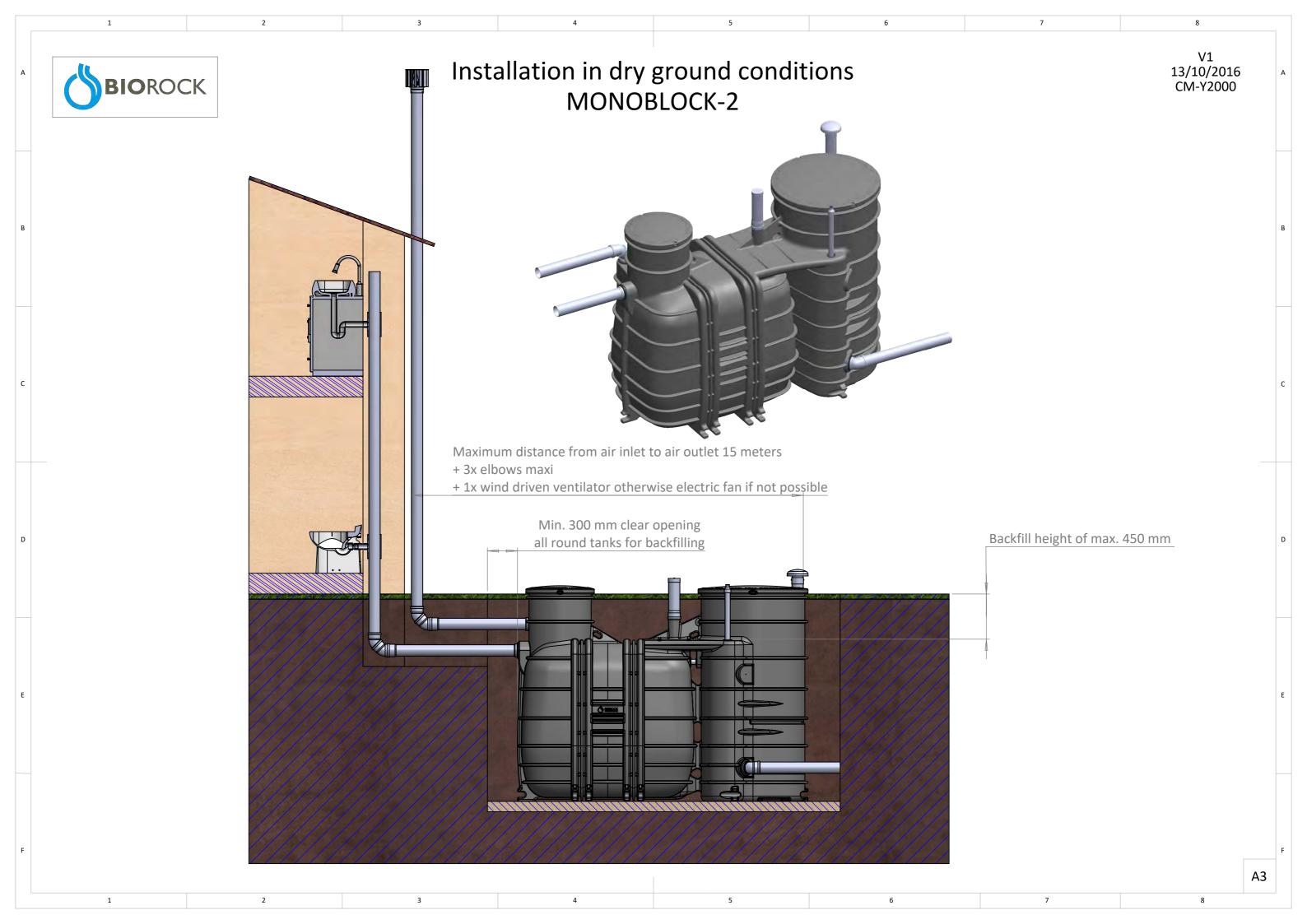
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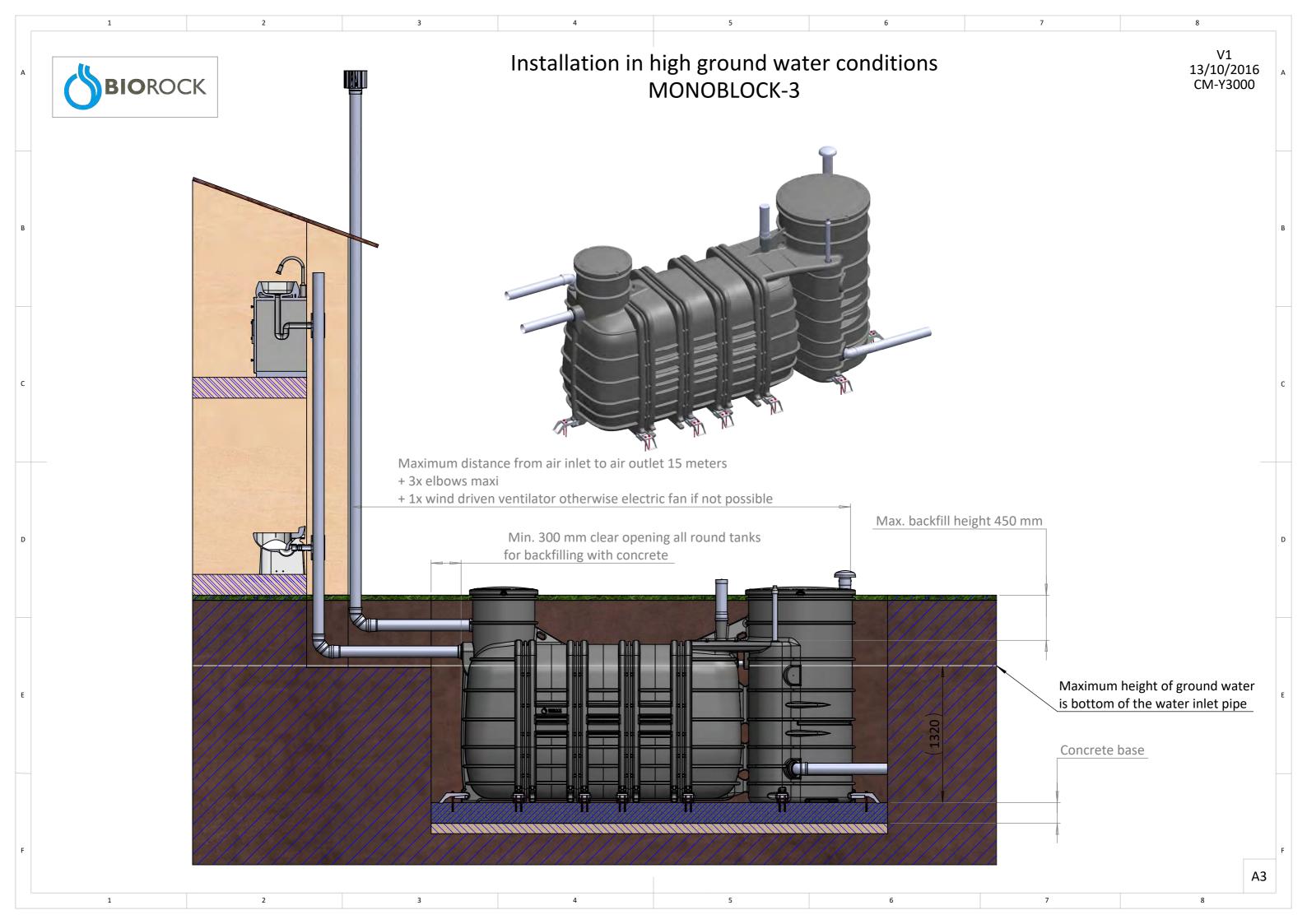
ICS	VALUE	UNIT		В
quivalent	up to 8	PE		
IENT	VALUE	<u>UNIT</u>		
treatment	3000	Liters	-	
	375	Liters		
<u>TMENT</u>	VALUE	<u>UNIT</u>		
	1500	Liters		с
ater	150	liters/day/PE		L
	1.2	m³/day		
	60	gr.DBO5/PE/day		
t up to	0.48	kg DBO5/day		
N	VALUE	<u>UNIT</u>		
	3790	mm		
	2595 x 1140	mm		D
a	0.7854	m²		
	1415	mm		
on	2240	mm		
vater)	477	Kg		
	110	mm		

This product can be installed in high ground water.

DATE		
11/2016		
	TITLE:	
DATE	MONOBLOCK-3	-1000
	Nb. of PLAN	
	CM-Y3000	A3

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A the request of **BIOROCK** 4-5 Zone d'Activités Économiques Le Triangle Vert **L-5691 ELLANGE - LUXEMBOURG**

Synthesis of performances of small wastewater treatment plants MONOBLOCK

Type testing in accordance with the standard EN 12566-3 + A2 (2013) *Small wastewater treatment systems* for up to 50 PT — Part 3: Packaged and/or site assembled domestic wastewater treatment plants

Essential Characteristics	Performances		Type testing report
	SWWTP reference	TREATMENT EFFICIENCY TEST Loads and ratios measured during the nominal sequences (sur 20 results) Mean tested organic daily load:	
	CM6	BOD₅ 0,32 kg/d	
Effectiveness of treatment	Nominal hydraulic daily flow Q _N	Mean efficiency ratios obtained:BOD₅95%COD91%SS97%	008002 from 20/04/2017
	0,90 m³/d	Effluent mean concentrations measured:	
	Nominal organic daily load (<i>BOD₅</i>) 0,36 kg/d	BOD₅ 16 mg/l COD 78 mg/l SS 12 mg/l Mean electrical power consumption measured: 0 kWh/d Number of desludging procedure carried out : 1	

The tests have been carried out by notify laboratory CERIB (Notify Body n°1164).

This document is a synthesis of the performances of the tested products-type, whose the description and test results are detailed in the type test reports referenced for each performance.

This document only certifies the characteristics of the tested products-type submitted for testing and makes no judgement about the characteristics of similar products.

Épernon, the 12th June 2017.

S. POUDEVIGNE

Development & Innovation Manager



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/ Centre d'Études et de Recherches de l'Industrie du Béton / 1 rue des Longs Réages - CS 10010 - 28233 ÉPERNON CEDEX - FRANCE / Tél. +33 (0)2 37 18 48 00 / Fax +33 (0)2 37 83 67 39 / e-mail cerib@cerib.com / www.cerib.com Centre Technique Industriel (loi du 22 juillet 1948) SIRET 775 682 784 00027 - NAF 7219Z. Agréé par le ministère de l'Intérieur (arrêté

Centre Technique Industriel (loi du 22 juillet 1948) SIRET 775 682 784 00027 – NAF 7219Z. Agréé par le ministère de l'Intérieur (arrêté du 4.04.2011) pour les essais de résistance au feu des éléments de construction. Certificateur de produits (Art. L. 115-27 Code de la consommation), mandaté par AFNOR Certification. Notifié par l'État pour le marquage $C \in (n^{\circ} 1164)$. Opérateur de recherche du Ministère de l'Éducation Nationale, de l'Enseignement Supérieur et de la Recherche, les travaux de R&D éligibles peuvent bénéficier du CIR.