

TREATMENT PERFORMANCE RESULTS

BIOROCK Sewage Treatment Ltd
Fitzwilliam Court, 11-13 Dyer Street, Drogheda, Co. Louth, Ireland

EN 12566-3

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

PIA-SR66-1703-1026

BIOROCK

Aerobic biological gravity filter

Nominal organic daily load	0.27 kg/d			
Nominal hydraulic daily load	0.75 m ³ /d			
Material	Polyethylene			
Watertightness	Pass			
Crushing resistance (Pit test)	Pass (also wet conditions)			
Durability	Pass			
Treatment efficiency (nominal sequences)		Efficiency	Effluent	
		COD	96.3 %	26 mg/l
		BOD ₅	98.7 %	4 mg/l
		NH ₄ -N*	90.5 %	3 mg/l
		SS	99.3 %	3 mg/l
Number of desludging	Not more than once			
Electrical consumption	0 kWh/d			

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

Performance tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH

CSTB – Centre Scientifique et technique du Batiment

CERIB – Centre d'Etudes et de Recherche de l'INDustrie du Béton

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



Notified Body
No.: 1739



Certified according to
ISO 9001:2008

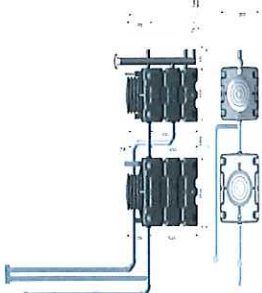
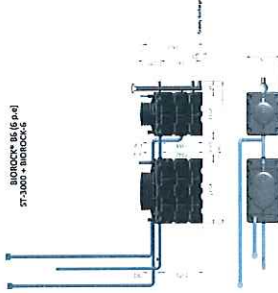
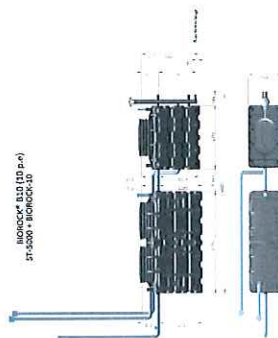


Prüfinstitut für Abwassertechnik GmbH
Elmar Lancé
geprüft - tested - teste

Elmar Lancé

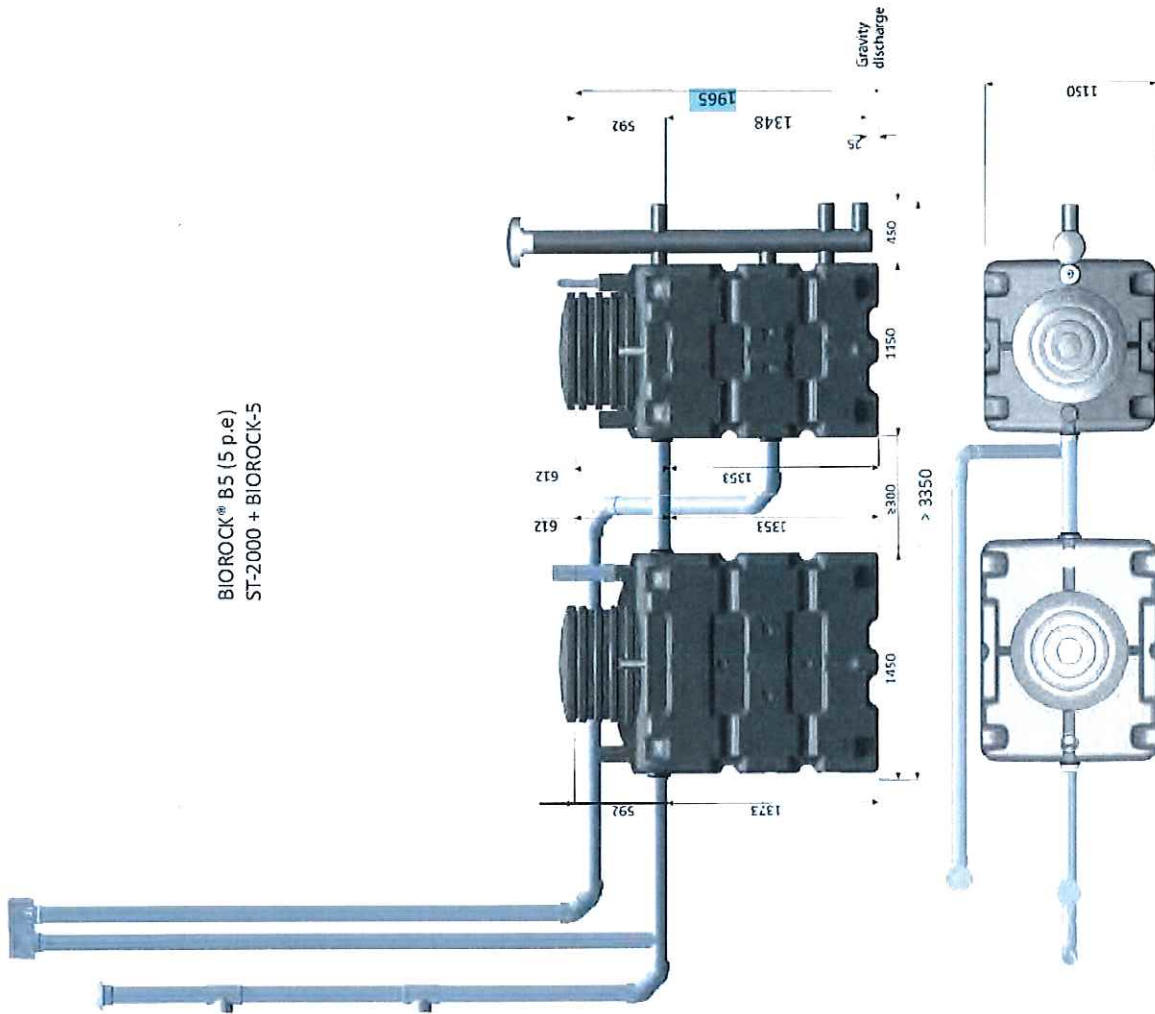
March 2017

BIOROCK range and its referring test reports:

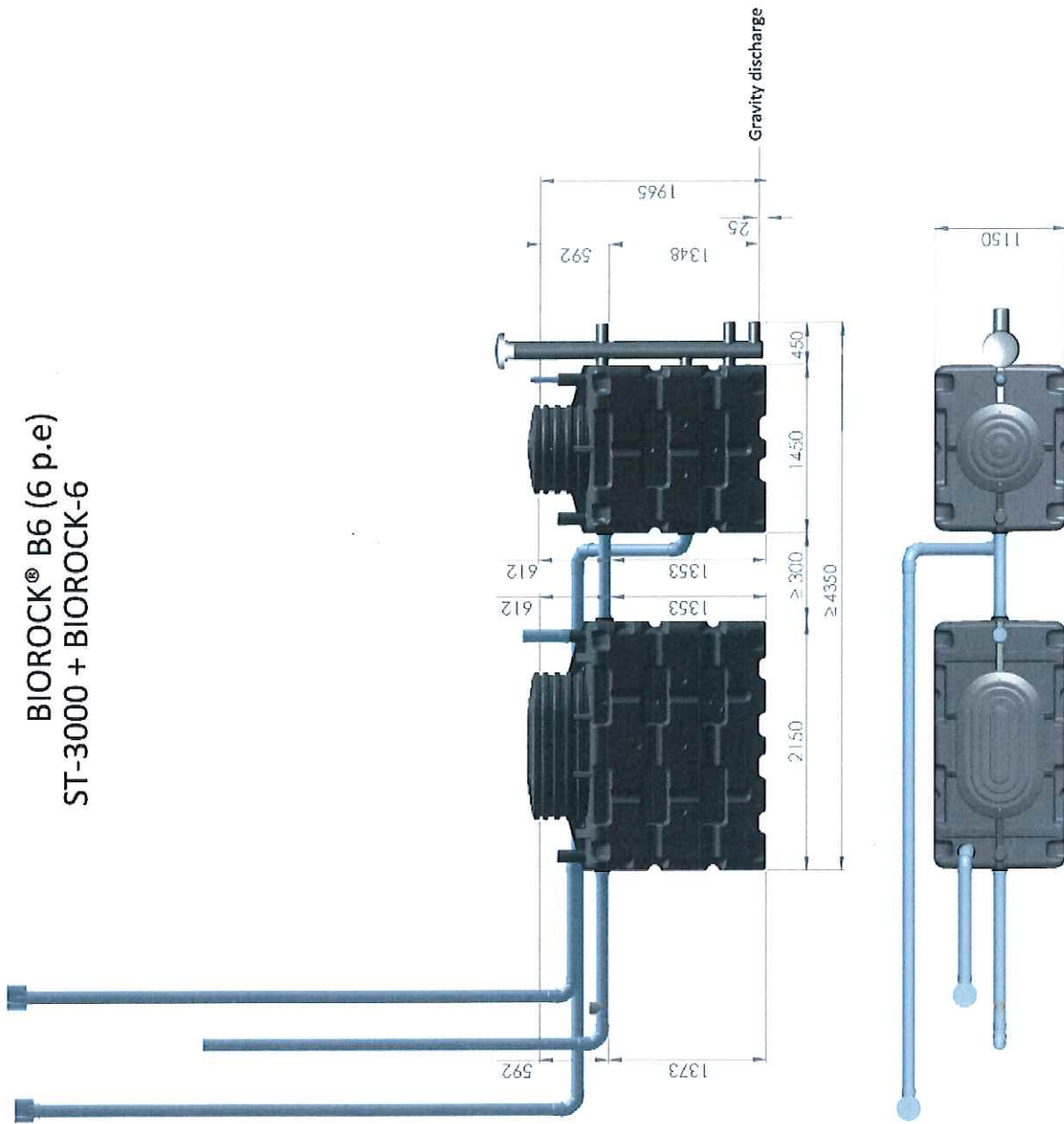
Name of the model and/or population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial Type Test (ITT) 5		Pass PIA2009-119B41	Pass PIA2009-119B41	Pass For wet ground conditions also, installation depth 0.60 m from inlet invert	Pass 2015 CERIB 4023
6		Pass	Pass Range conformity according to S.R. 66	Pass For wet ground conditions also, installation depth 0.60 m from inlet invert	Pass 2015 CERIB 4023
10		Pass BES/1410095/CZ/pp/14.07v2	Pass Range conformity according to S.R. 66	Pass BES/1410095/CZ/pp/14.07v2 For wet ground conditions also, installation depth 0.60 m from inlet invert	Pass 2015 CERIB 4023



BIOROCK® B5 (5 p.e.)
ST-2000 + BIOROCK-5



**BIOROCK® B6 (6 p.e)
ST-3000 + BIOROCK-6**



**BIROCK® B10 (10 p.e.)
ST-5000 + BIROCK-10**

