

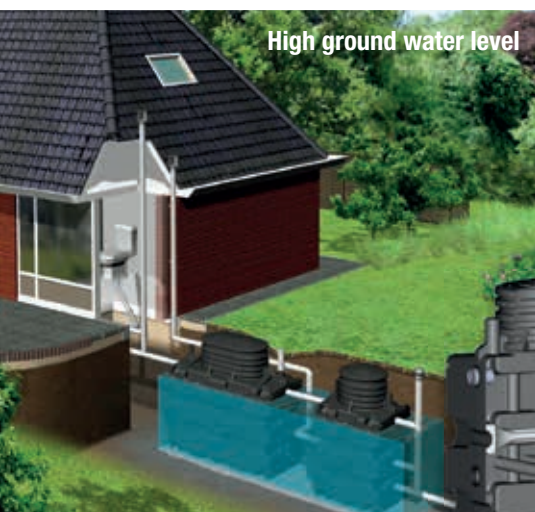
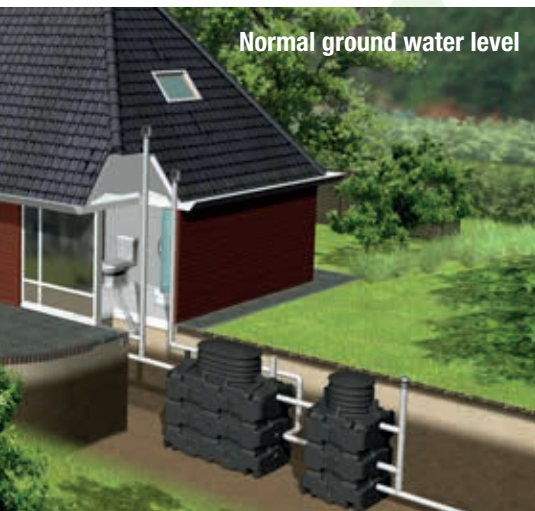
BIOROCK® units

Non electrical sewage treatment plants



BIOROCK® units

Non electrical Sewage Treatment Plants for domestic waste water



BIOROCK® was established in 1988 and is now an internationally acclaimed and experienced company and an industry leader in (compact) sewage water treatment technology.

The revolutionary and fool-proof BIOROCK® units uses a biological process and is gravity fed, requiring no electricity or moving parts in the treatment process. As a result of this, maintenance and operational costs are extremely low, and reliability is maximized. The durable HDPE tanks are produced and assembled in our own factory. The plants are supplied as a complete package for ease of installation.

The BIOROCK® system functions as a two stage treatment system. Initially the raw sewage enters a primary tank to provide separation and the breakdown of organic solids (Primary Treatment). The sewage then passes through an effluent filter before discharging into the BIOROCK® unit which incorporates the well proven aerobic digestion process (Secondary Treatment) and filtration process (Tertiary Treatment). Where required the BIOROCK® units can be retrofitted to a traditional septic tank.

Reinforced and durable!

All the BIOROCK® units and Primary Tanks are reinforced as standard enabling them to be structurally sound in high ground water conditions.

Traditional versus BIOROCK®

BIOROCK® provides a revolutionary and efficient system when compared with many of the other sewage treatment brands available today. The superb results produced by BIOROCK® have placed our systems in a leading position when compared with older & traditional techniques - such as Activated Sludge, SBR, and so on. So many systems on the market are characterized by their energy consumption, high maintenance costs, significant operational costs and a high volume sludge production which leads to frequent de-sludging.

FACTS

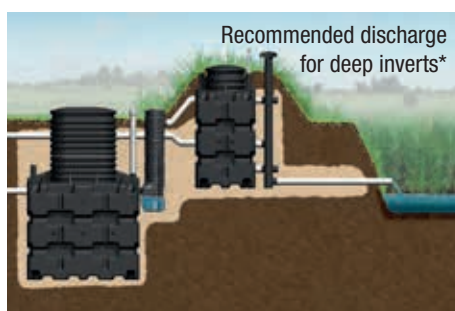
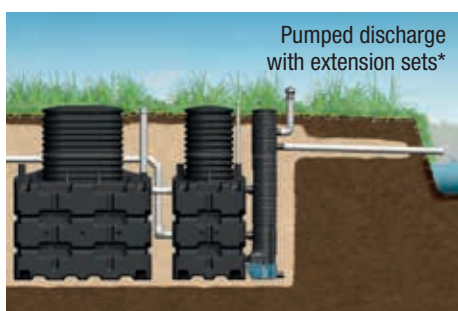
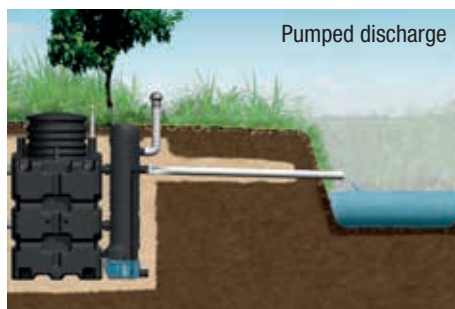
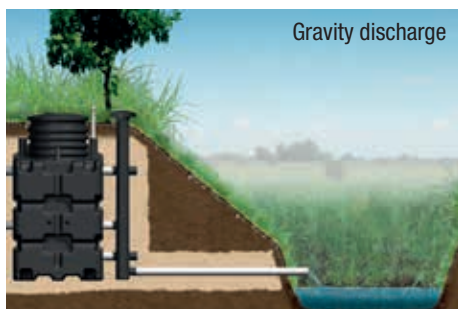
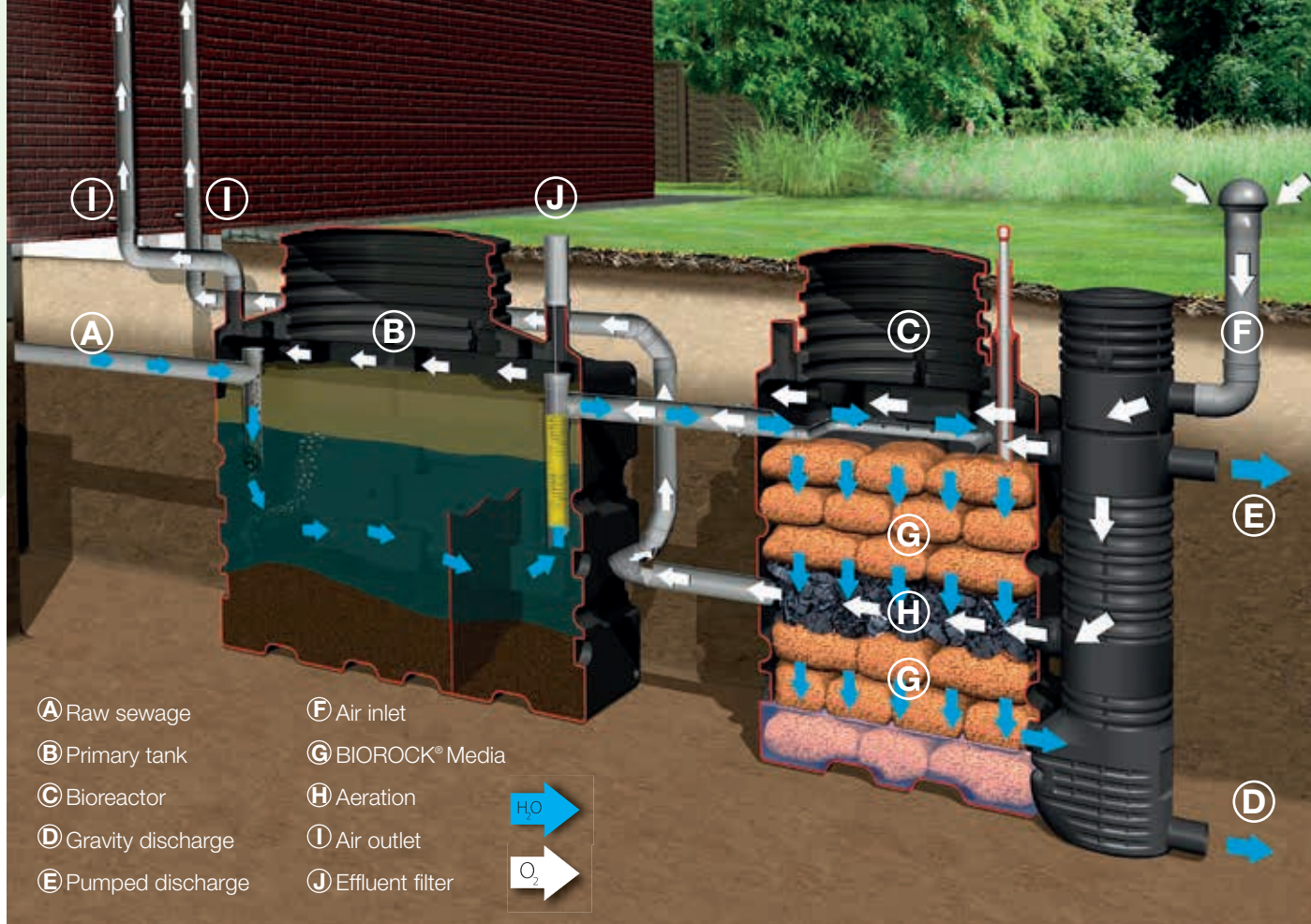
TRADITIONAL VERSUS BIOROCK®

	Traditional units	The BIOROCK® Revolution
Non-electrical*	NO	YES
Silent & Odourless	NO	YES
Handles Intermittent Loading	NO	YES
Handles absence periods?	NO	YES
Handles most household cleaners?	NO	YES
Handles power failure?	NO	YES
Septic tank conversion unit?*	NO	YES
Intensive maintenance?	YES	NO
High sludge production?	YES	NO
High operational costs?	YES	NO



10 YEARS WARRANTY MEDIA®
25 YEARS WARRANTY TANK

* Subject to site conditions



* Additional precautions may be required for deep installation

Revolutionary technique!

- ✓ No electricity required
- ✓ No moving parts
- ✓ 24 Hour start-up period
- ✓ Long absence periods acceptable

Unique advantages

- ✓ Completely silent
- ✓ Lowest operational costs
- ✓ Superb effluent quality
- ✓ Septic tank conversion unit

Sustainability

- ✓ Long lifespan BIOROCK® Media
- ✓ Low carbon footprint
- ✓ Minimum annual maintenance
- ✓ Long desludge interval

	BIOROCK-S	BIOROCK-L	BIOROCK-E	BIOROCK-F
Capacity in P.E.	6 p.e.*	10 p.e.*	15 p.e.*	25 p.e.*
Capacity in litres/day	900	1500	2250	3750
Material	HDPE	HDPE	HDPE	HDPE
Length	1150 mm	1450 mm	2150 mm	3550 mm
Width	1150 mm	1150 mm	1150 mm	1150 mm
Height unit (max.)	2100 mm	2100 mm	2100 mm	2175 mm
Weight (empty)	186 kg	223 kg	297 kg	625 kg
Δ in- & outlet pipe	1098 mm	1098 mm	1098 mm	1213 mm

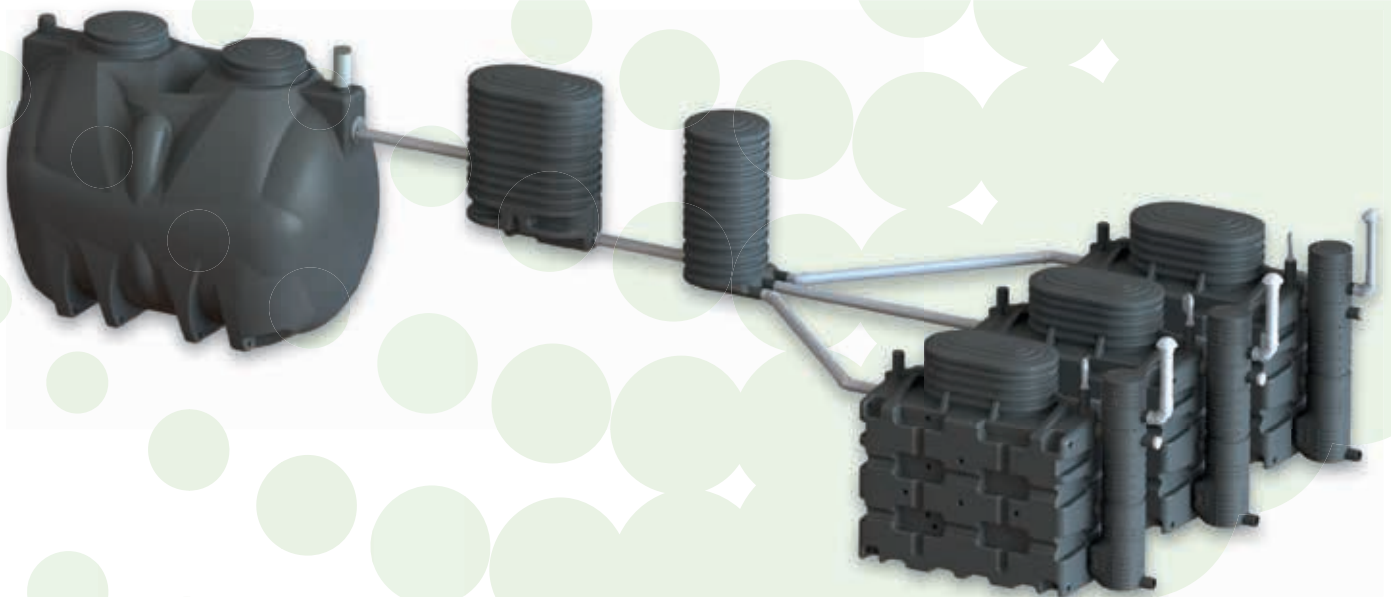
*The capacities of the individual BIOROCK® Units can be increased if the required effluent quality is of a lower standard than the outstanding results, achieved during the EN-12566-3 Performance test.



BIOROCK® Multiple System

The BIOROCK Series is a range of compact sewage treatment plants, denominated into 6, 10, 15 and 25 person (PE) systems.

If the BIOROCK units are installed in parallel they can cater for 50, 75, 100 PE and so on up to 300 PE. The BIOROCK-S units are installed in parallel after the primary tank. Following the Primary tank is a "Flow Control Chamber" (FCC) and a Splitter-Box System (SB). The FCC acts as a 'header tank' to provide a surge of flow through the SB and guarantees equal flow to each of the BIOROCK Units. Multiple SB's are used when it is required to split the flow in the case where more than 3 Units are installed in parallel.



Purification results BIOROCK®

Tested conform EU Norm EN 12566-3

BOD ₅	4 mg/l	99%
COD	26 mg/l	96%
S.S.	3 mg/l	99%

More results are available upon request



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25 YEARS WARRANTY TANK



BIOROCK

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