

waste water
pure as nature

BIOROCK[®], the best compact sewage treatment
without electricity, zero energy

**Fool-
proof**



Unique system for cleaning domestic waste water



BIOROCK® was established in 1988 and is now an internationally acclaimed and experienced company leading in (compact) sewage water treatment technology. BIOROCK® has a total concept: our own R & D, manufacturing facilities and worldwide sales & technical support network.

The BIOROCK® product range can be used to clean sewage from a single house up-to public restaurants, hotels, schools, shopping malls, Safari Lodges and other facilities.

BIOROCK® has established a global dealer network, selling to thousands customers worldwide (> 75 countries). The unique-simple concept & support provided by BIOROCK® distributors have ensured that our brand & Global Team are well-respected and well-known throughout the globe.

The BIOROCK® Team

Our team of waste water experts are unrivalled in the waste water treatment industry. BIOROCK® is a company fuelled by a dedicated team with years of operational experience in waste water

treatment. Their energy and a close working relationship with our global dealer network have enabled growth into new services- solutions- markets and innovative solutions. The next generation of waste water technology, in line with worldwide environmental legislation – enabled by our clear vision in this ever-changing market – will be lead by the global leaders of compact sewage treatment - BIOROCK®.

Over the past 20 years, we have successfully completed a matrix of different solutions to our clients waste water treatment & recycling needs, this

has placed us at the forefront of the waste water solutions market around the world.

Our Mission

Our mission is to provide a leading solution to domestic waste water problems. BIOROCK® has developed a global network of qualified technical partners to support our customers. With the BIOROCK® solution, purified water can be discharged into surface water or reused for irrigation. The key to our success is our collaborative approach to strategy development.



15 YEAR WARRANTY
See our terms of delivery



Pure as nature

Waste water



The revolutionary and Fool-proof BIOROCK®-S units are available in various capacities. The BIOROCK®-S series is a range of Compact packaged treatment plants, denominated into 5, 10 & 15 person systems. If installed in parallel they can also cater for 30, 45, 60 people and so on.

The benefit of this being that; in a situation where a development projected to build multiple houses over 3 phases would traditionally require a complete system being installed at a high cost in the first phase. BIOROCK® will allow for the developer to cater for each phase individually, in line with the development budget.

BIOROCK®-S Series

(Small STP – Sewage Treatment Plant)

The BIOROCK®-S series units are packaged domestic waste water treatment plants, providing a consistent high quality effluent that meets the highest standards. The biological purification technique requires no electricity or moving parts. As a result of this; maintenance and operational costs are particularly low, and reliability

maximized. The units are assembled in durable HDPE tanks with lightweight, low profile, access covers. The plants are supplied as a complete package for simple installation.

The BIOROCK®-S Series utilizes a unique fixed bio-film technology with specific functions to achieve an odor free



effluent, suitable for irrigation or re-use in the grey water system. Due to the high quality of the treated effluent produced, should it be desired, it can be discharged into sensitive water courses.

The BIOROCK® S Series system functions as a two stage Sewage Treatment Plant. The raw sewage first enters a Primary tank to provide pre-separation and initial breakdown of organic solids. The sewage then passes through an effluent filter before discharging into the BIOROCK® unit itself which incorporates the aerobic filtration process. Where required the BIOROCK® S Series can be retrofitted to a traditional septic tank.

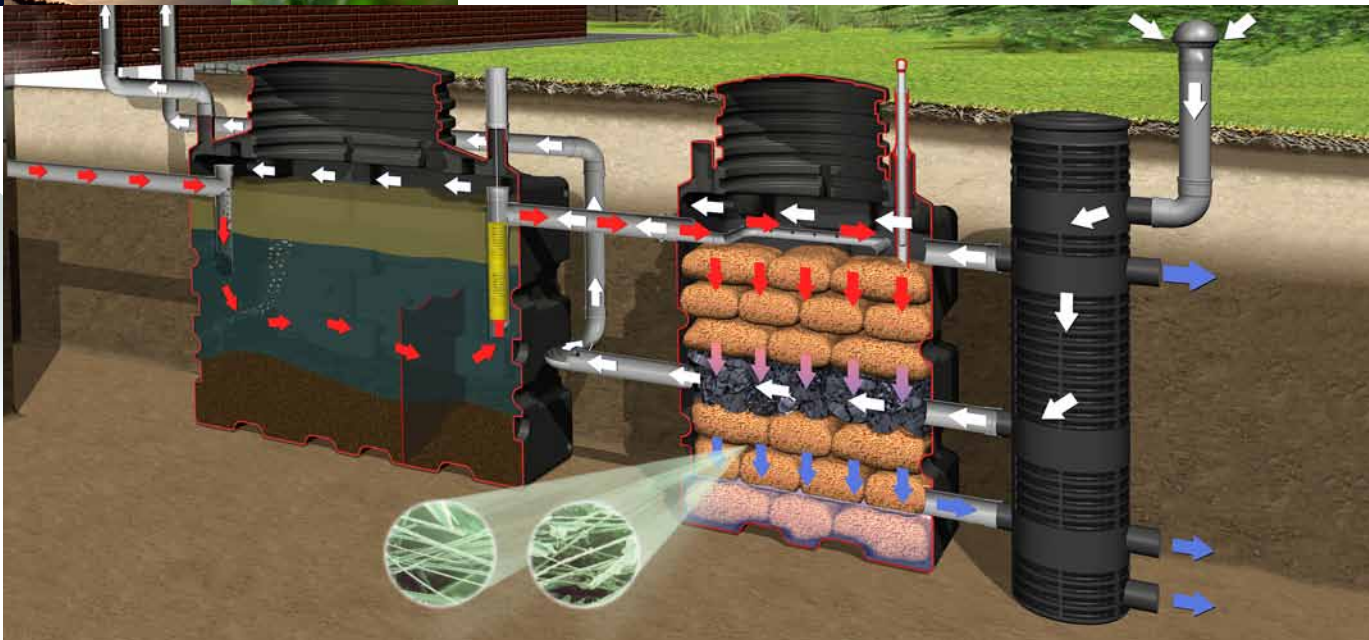
This later stage of the process is defined by layers of BIOROCK® media. The BIOROCK® media is pretreated with enzymes in order to achieve rapid start up and to stimulate the growth of the correct bacteria type; these bacteria colonize the media in vast numbers and rapidly digest the organic waste. The treatment philosophy has been developed around a combination of aerobic/anoxic biological degradation and filtration.

The BIOROCK® technology advantage is further characterized by - minimal maintenance requirements & ability to handle intermittent (seasonal) loadings. (E.g. Holiday homes, Safari Lodges, Camping Sites, etc.)

Excellent for:
Holiday homes
Camping Sites
Caravan Parks
Safari Lodges
Domestic Dwellings



The best original system in the world
that operates without electricity and
mechanical components



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

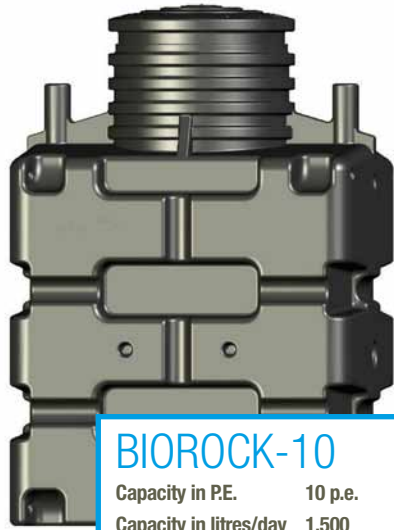
BIOROCK-S units

Small sewage treatment plants



BIOROCK-5

Capacity in P.E.	5 p.e.
Capacity in litres/day	750
Material	HDPE
Length	1,150 mm
Width	1,150 mm
Height unit (max.)	2,100 mm
Weight (empty)	186 kg
Δ in- & outlet pipe	1,098 mm

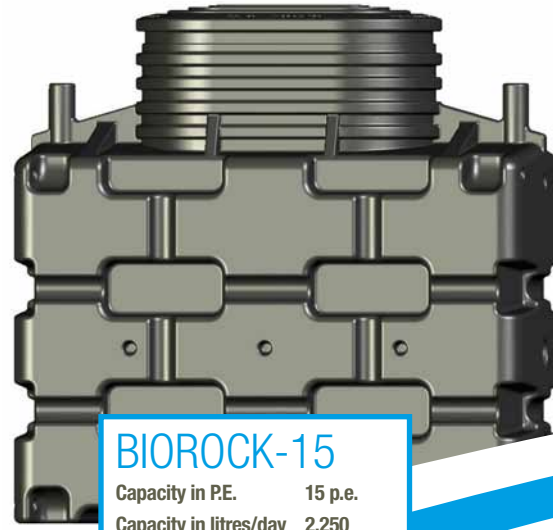


BIOROCK-10

Capacity in P.E.	10 p.e.
Capacity in litres/day	1,500
Material	HDPE
Length	1,450 mm
Width	1,150 mm
Height unit (max.)	2,100 mm
Weight (empty)	223 kg
Δ in- & outlet pipe	1,098 mm

Primary tank + pre-filter

Volume 2.000 L



BIOROCK-15

Capacity in P.E.	15 p.e.
Capacity in litres/day	2,250
Material	HDPE
Length	2,150 mm
Width	1,150 mm
Height unit (max.)	2,100 mm
Weight (empty)	297 kg
Δ in- & outlet pipe	1,098 mm

Primary tank + pre-filter

Volume 3.000 L

The primary tanks are available in various sizes; 2.000, 3.000, 5.000, 7.500, 10.000 & 15.000 L.

The primary tanks are tested according to the EU Norm EN 12566-1

Purification results BIOROCK®

Tested conform EU Norm EN 12566-3
Testing institute: PIA in Aachen (Germany)

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

More results are available upon request



More than 20 years of experience



Your dealer:

