

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.



EN 12566-1
EN 12566-3
2005+A1:2009

15 YEAR WARRANTY

See our terms of delivery



Waste water Pure as nature



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.

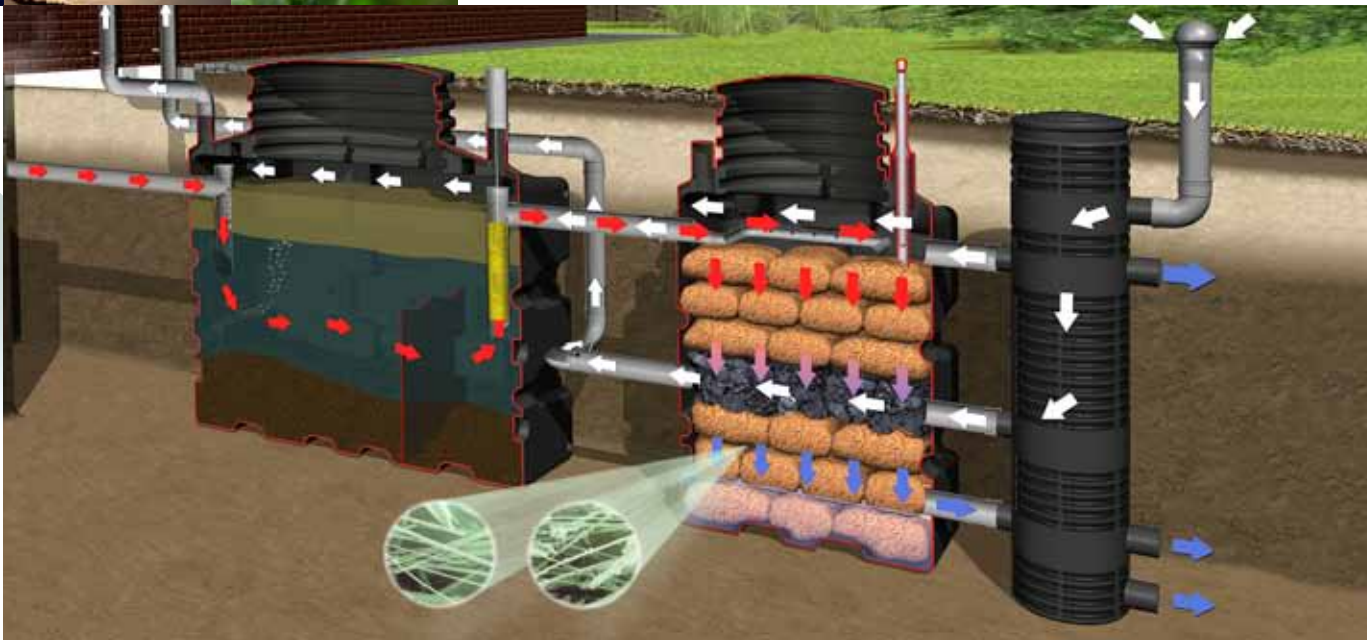
This later stage of the process is defined by layers of BIOROCK® media. The BIOROCK® media is pretreated with enzymes in order to achieve rapid start up and to stimulate the growth of the correct bacteria type; these bacteria colonize the media in vast numbers and rapidly digest the organic waste. The 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

- Solar power option
- 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.) | 2,040 mm |
| Weight (empty) | 175 kg |
| Δ in- & outlet pipe | 1,140 mm |

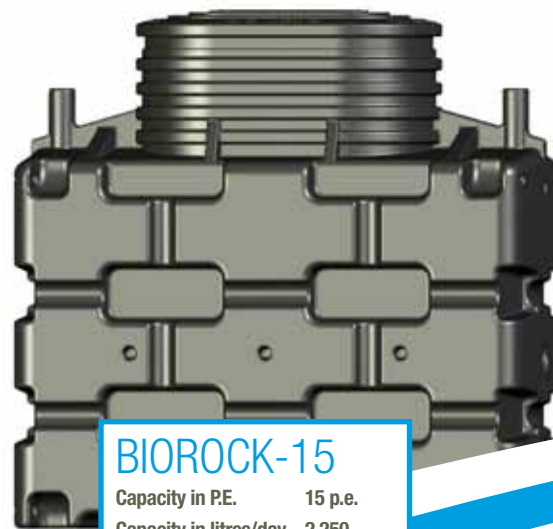


BIOROCK-10

| | |
|------------------------|----------|
| Capacity in P.E. | 10 p.e. |
| Capacity in litres/day | 1,500 |
| Material | HDPE |
| Length | 1,400 mm |
| Width | 1,150 mm |
| Height unit (max.) | 2,040 mm |
| Weight (empty) | 230 kg |
| Δ in- & outlet pipe | 1,140 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.) | 2,040 mm |
| Weight (empty) | 310 kg |
| Δ in- & outlet pipe | 1,140 mm |

Primary tank + pre-filter

Volume 3.000 L

The primary tanks are tested according 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% |
| COD | 26 | 96% |
| S.S. | 3 | 99% |

More results are available upon request



More than 35.000 units sold in 75 countries worldwide



Your dealer:

