BIOROCK®
Sewage Treatment

- Non-Electric
- Low running costs
- Completely silent
- Odourless
- Small footprint
BIOROCK®
Non-Electric Sewage Treatment Plants for domestic waste water

BIOROCK was established in 1988 and is now an internationally acclaimed and experienced company and industry leading in compact wastewater treatment technology. BIOROCK systems have already been installed worldwide in the past 25 years. Our proven performance leads to trust of both the users of our technology and our supplier’s network, which is the basis of our success.

The BIOROCK®
Non-Electric treatment process

Initially the raw sewage (A) enters a primary tank (PT, B) 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).

BIOROCK uses a material with huge surface area which allows colonization of the necessary bacteria, a process which is essential for the effective treatment of domestic wastewater.

The BIOROCK media is highly resistant to degradation and remains extremely stable over the long term - our 25 years’ experience in the industry being proof of this.

• Very Stable Inorganic material - does not break down over time, unlike “organic” media
• Requires little maintenance – scraping and scarification is not necessary, unlike for organic media
• The Structure and Composition ensures unsurpassed and unique surface treatment with exceptional purification results

BIOROCK offers a much more efficient and ecological wastewater treatment technique compared to traditional techniques that are very high in maintenance and energy consumption.

BIOROCK offers 2 discharge options :
1. BIOROCK gravity discharge
2. BIOROCK high-level discharge

Our high level discharge system is equipped with a reliable, high-quality pump kit. This kit is delivered “pre-assembled” for ease and speed of installation.

Installation for all type of ground conditions and applications.

• High ground-water sites.
• Reinforced and durable, the BIOROCK units and Primary tanks are reinforced as standard enabling them to be structurally sound in all ground conditions.
• The BIOROCK System has the ability to handle inter mittent (seasonal) wastewater loadings, even during long absence periods
• Holiday Homes, Campsites, Caravan Parks, etc.
• The system can also handle low utilization levels without compromising the treated effluent quality.
BIOROCK provides a revolutionary, efficient and reliable compact wastewater treatment solution. Very compact, our systems are free from any blower or air diffusors. They don’t need any electricity for the treatment process, leading to minimal maintenance and repair costs, the lowest operational costs and the longest desludge intervals.

These unique advantages lead to significant costs savings for the user compared to conventional wastewater treatment plants, as the reliability of the system is maximized with no possible breakdowns thus no need for expensive spare parts. The superb purification results produced by BIOROCK have placed our systems in a leading position when compared with older & traditional wastewater treatment techniques.

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**Unique advantages**

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**Revolutionary technology**
- Septic tank replacement / upgrade
- Non-Electric sewage treatment process
- 24 Hour start-up period
- Long absence periods acceptable

**Unique advantages**
- Completely silent
- Low operational costs
- Very light maintenance
- Long desludge interval

**Sustainability**
- Superb effluent quality
- Low carbon footprint
- Ecological material, locally produced and recyclable

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**FACTS**

**TRADITIONAL VERSUS BIOROCK**

<table>
<thead>
<tr>
<th></th>
<th>Traditional units</th>
<th>BIOROCK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Electric purification process</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>Silent &amp; Odourless</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>Handles Intermittent Loading</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>Handles absence periods</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>Handles most household cleaners</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>Handles power failure</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>Septic tank conversion unit*</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>Intensive maintenance</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>High sludge production</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>High operational costs</td>
<td>YES</td>
<td>NO</td>
</tr>
</tbody>
</table>
The BIOROCK® range of sewage treatment plants

- A brand with strong values
- Access to licensed products
- Daily support by our team of professionals
- Excellent hands-on trainings
- Warranty: 25 years on tanks / 10 years on BIOROCK media*

*subject to conditions, contact us for details

Our support

To become a trained and approved BIOROCK certified professional and be part of our network: Please contact us today:

Contact us!
Call: +352-26-17 66 33
e-mail: info@biorock.com