

ECOROCK-5010 & MULTIROCK

NON-ELECTRIC
WASTEWATER TREATMENT

High-Capacity & Modular
System



BIOROCK

engineered for tomorrow



THE FUTURE OF WASTEWATER TREATMENT

BIOROCK is home to an internationally-acclaimed team of wastewater specialists who share the goal of providing innovative, sustainable, and eco-friendly water treatment systems.

Our level of expertise and attention-to-detail guarantees only the best, most reliable products, providing the market with the ultimate non-electrical wastewater treatment technologies.

ADVANTAGES AND BENEFITS OF THE ECOROCK-5010 & THE MULTIROCK SOLUTIONS

ECOROCK-5010 & MULTIROCK

Electrical Plants

Organic Media Plants

	ECOROCK-5010 & MULTIROCK	Electrical Plants	Organic Media Plants
High Media Lifespan	✓	✗	✗
Low Operational Costs	✓	✗	✗
Minimal Annual Maintenance	✓	✗	✗
Effortless Installation	✓	✗	✗
Non Electric	✓	✓	✗
Long Septic Tank Pump-Out Intervals	✓	✓	✗
Odourless	✓	✓	✗
Silent	✓	✓	✗
Long Absence Periods	✓	✓	✗

THE ECOROCK-5010 SOLUTION

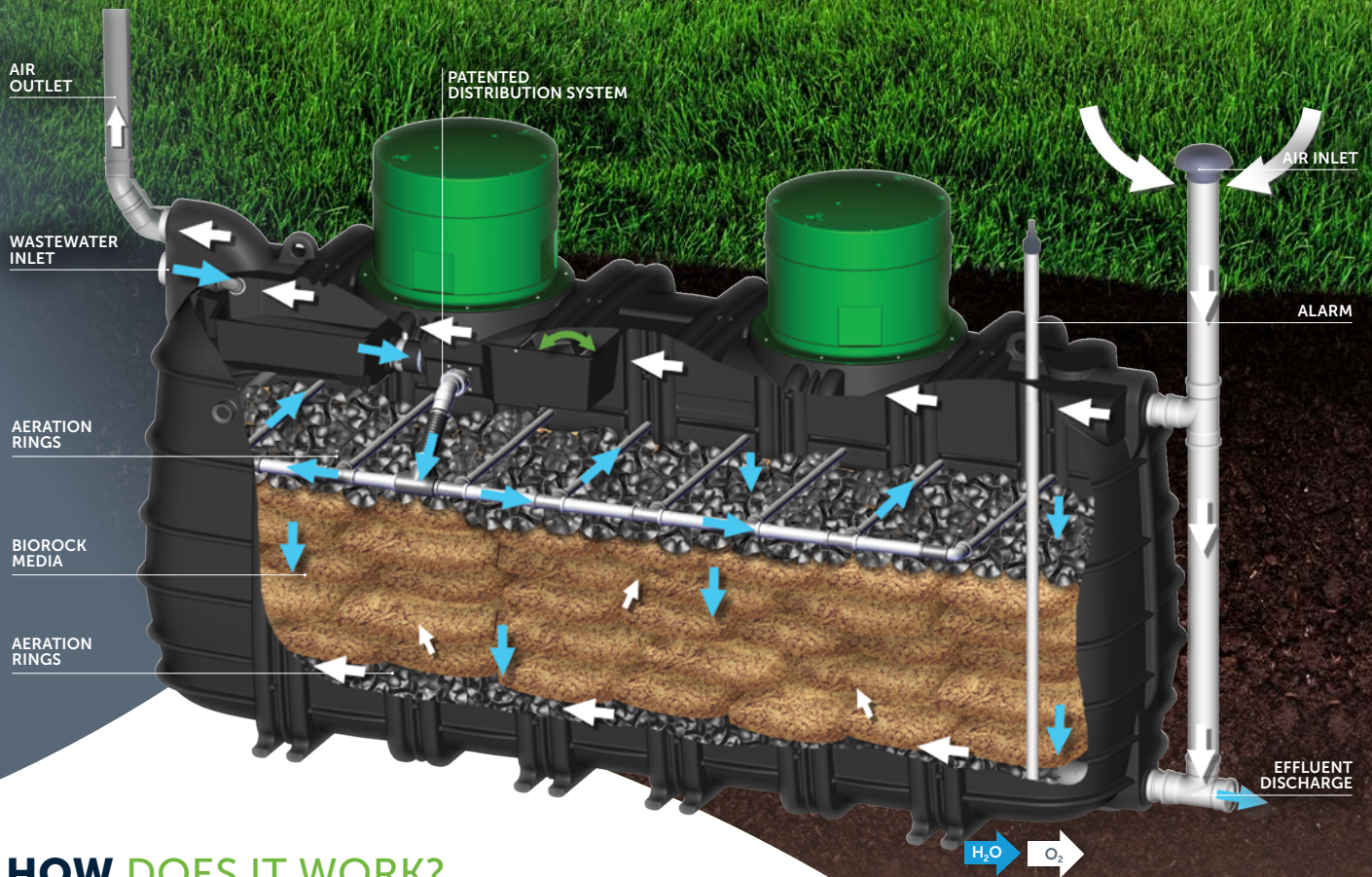
Our **ECOROCK-5010** unit is the perfect solution for wastewater treatment with a capacity **up to 30 persons**.

This innovative technology provides a consistent high-quality effluent, meeting all of the strictest standards. Powered by nature, our effective biological purification technique doesn't require any electricity and has no moving parts, making maintenance and operational costs particularly low.

THE MULTIROCK SOLUTION

MULTIROCK is a wastewater treatment solution designed to facilitate high-capacity sewage disposal for communities with **30+ persons**.

Built with our ECOROCK-5010 treatment units installed in parallel, **MULTIROCK** is a modular system which offers you the best purification results while being easy to install.



HOW DOES IT WORK?

Step 1: Primary Tank

The primary tank clarifies the sewage water by fats, oils, greases and organic solids. The sewage then passes through an effluent filter, before discharging into the ECOROCK-5010 Unit(s).

Step 2: Multi-Way Splitter (for MULTIROCK Solution)

Our **multi-way splitter** ensures that the pre-treated wastewater is continually and consistently distributed across the ECOROCK-5010 Units.



Step 3: BIOREACTOR Process

The aerobic purification (secondary treatment) and the filtration processes take place in the ECOROCK-5010 unit(s).

To naturally treat the wastewater, our systems use our unique BIOROCK Media, an exclusive and very efficient carrier material for bacteria.

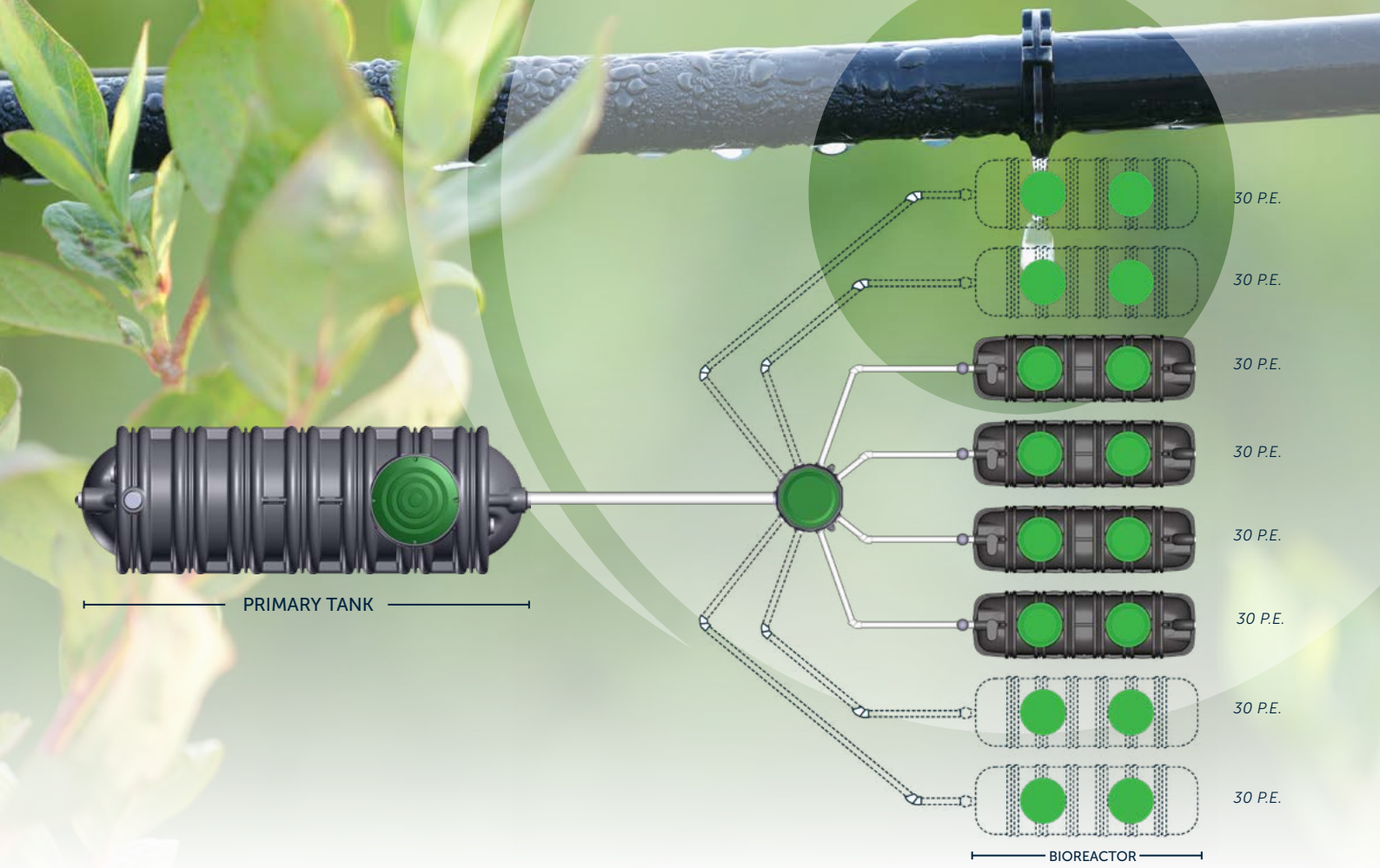
Step 4: Discharge

Depending on the ground type, effluent will be discharged by gravity, or by a pump.

THE UNIQUE BIOROCK MEDIA

Our **exclusive media** is degradation-resistant, stable and sustainable - keeping the purification system working effectively over the long-term. You will exclusively find it in BIOROCK systems.





When the ECOROCK units are installed in parallel they can accommodate from 30 P.E. to several hundred.

ECOROCK-5010 SPECIFICATIONS

VOLUME	5000 l		
WEIGHT (EMPTY)	596 kg		
DIMENSIONS (IN MM)	Length	Width	Height
	3800	1150	2280

Do you need a smaller non-electric power plant? We have a solution for any project, no matter the size!

Find more information in our brochures for wastewater treatment plants with capacities from 4 to 30 people.

SAVE MONEY WITH MULTIROCK

One of the main benefits of having an **MULTIROCK treatment solution** is that it's a sustainable and economical investment. Our system requires minimal maintenance, does not need electricity, and has a long lifespan.

You will constantly save on electricity, maintenance, and tap water costs as you can reuse the purified water for irrigation.



MULTIROCK-ZA-12-2022

Contact us today for a **FREE** project consultation

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or visit

www.biorock.co.za



25 Year warranty on tanks
10 Year warranty on media

**subject to conditions*