

# BIOROCK-10

The BIOROCK-10 is a compact, non-electrical sewage treatment unit.

## 100% Natural Process

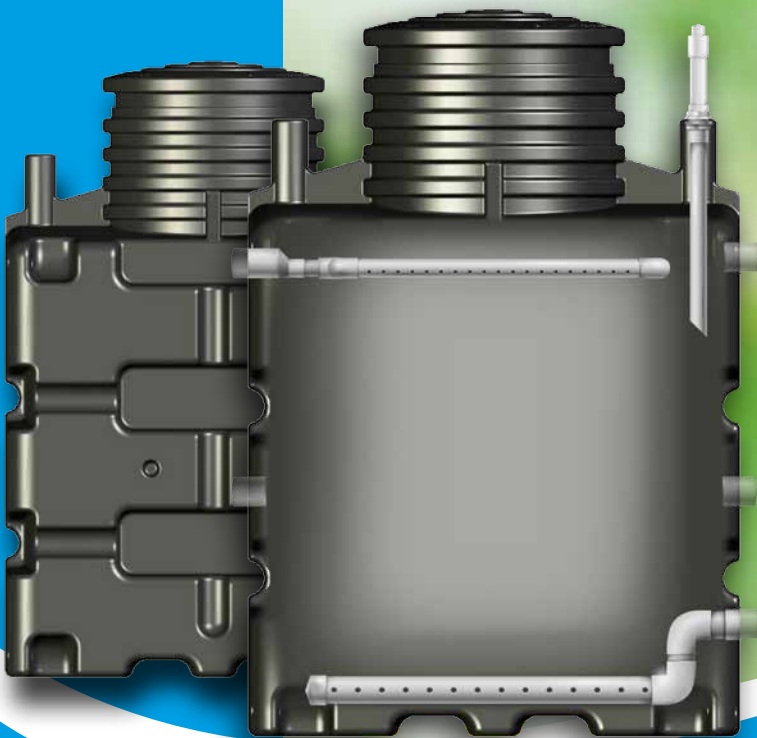
The purification process is fully biological. The bacteria grow on and inside the special BIOROCK® Media. The BIOROCK® units use many of the same water purification processes and principles encountered in nature. Useful bacteria are responsible for degrading the pollutants. These microorganisms are already present in the wastewater and are stimulated by presence of enzymes.

## Pre-treatment

Primary settlement is always the first stage in the treatment process. The BIOROCK-5 must be installed after a primary settlement tank. Coarse materials are retained, heavy particles sink to the bottom, while floating items remain at the surface.

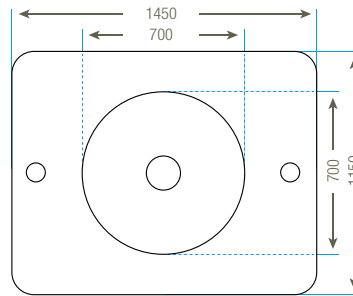
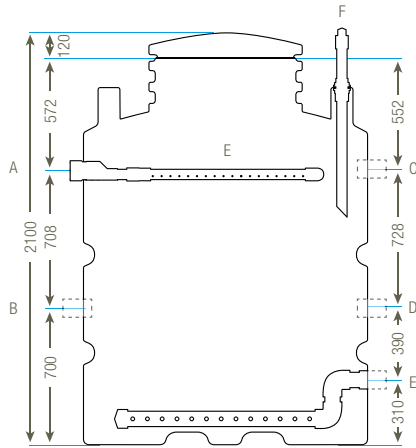
## Biological

The all-biological treatment process takes place within the BIOROCK® trickling filter. The aerobic bacteria, which proliferate within the media, require oxygen. Their metabolism removes the pollutants. A natural oxygen supply by means of the innovative draft system provides oxygen while reducing the operating costs.



# BIOROCK-10

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. The BIOROCK-10 units are for single or multiple homes.



- A Water inlet & Air outlet
- B Air outlet
- C Emergency outlet + Air inlet
- D Air inlet
- E Water distribution pipe
- F Alarm
- G Water outlet pipe

Design parameters	Value	Unit
Capacity	10	P.E.
Flow per P.E.	150	litres/day
Daily hydraulic load	1.5	m <sup>3</sup> /day
Influent BOD <sub>5</sub> per P.E.	60	gr.BOD/PE/day
Daily organic load raw influent	0.6	kg BOD <sub>5</sub> /day

## Primary Tank

Recommended volume of the Primary Tank	500	litres/p.e.
Minimum volume Primary Tank	5	m <sup>3</sup>

Specification	Value	Unit
Volume BIOROCK-10 tank	2.000	Litres
Overall Length	1.450	mm
Overall Width	1.150	mm
Overall Height	2.100	mm
Total Weight (without water)	223	Kg
Pipework Diameter	110	mm



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

**15 YEAR WARRANTY**

See our terms of delivery

## Options for the BIOROCK®-S units



Extension set ø 600 x 800 mm



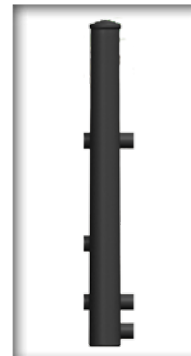
Wind driven ventilator



Effluent filter for Primary tank



Installation clips



Sampling pipe, ø 160 mm



Pump shaft, ø 400 mm

