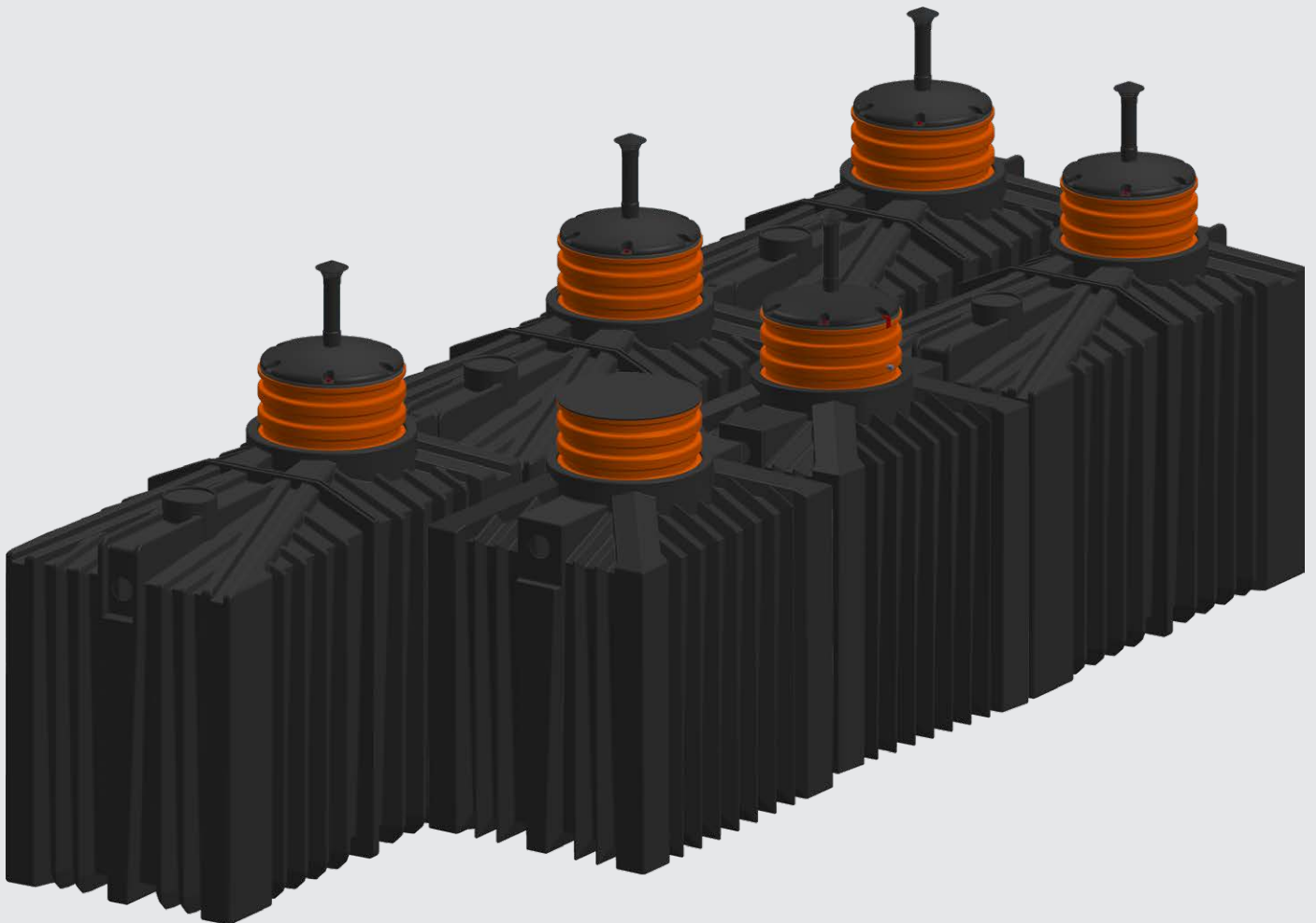


ClearFox® FBBR A Series

50–250 Persons

Highly efficient, flexible, modular
small biological wastewater
treatment solutions

clearfox.com



Complete packaged systems manufactured in compact HDPE tanks, for underground or above-ground (with steel reinforcement) installation. Each system is fully preassembled and includes primary treatment (either from ClearFox® or by client), biological treatment and clarification. Optional add on modules for nutrient reduction and disinfection.

Biological treatment of wastewater with stable purification performance and a compact footprint.



99%

Cleaning Efficiency. The ability to biologically treat pollutants to achieve cleaning efficiencies of up to 99%.

ClearFox® FBBR A Series

The ideal solution for every application.

The Process

ClearFox® FBBR A Series utilises the submerged fixed bed process to biodegrade the pollutants in the wastewater. The modules are flexible in design so that large volumes of wastewater and fluctuating pollution loads are no challenge.

The Quality Effluent

- Class C, N and D effluent standards
- Direct discharge of effluent to the environment or reuse
- Add on modules for P elimination
- Add on modules for disinfection
- Add on filtration for reuse applications
- Remote monitoring and control
- Simple operation with minimal user input

The Applications

- Small communities and businesses
- Housing developments
- Worker camps
- Residential and commercial applications
- Schools
- Hotels
- Restaurants
- Apartments
- Offices

The Advantages

Low investment costs

Plug & Play-solutions

Suitable for fluctuating wastewater flows

Lower operating costs than with other process technologies

Easily expandable

Simple operation

Shallow dig tanks for easy installation

Compact design

Fast installation and commissioning

High efficiency in pollutant removal

All modules are corrosion-resistant

No addition of chemicals required

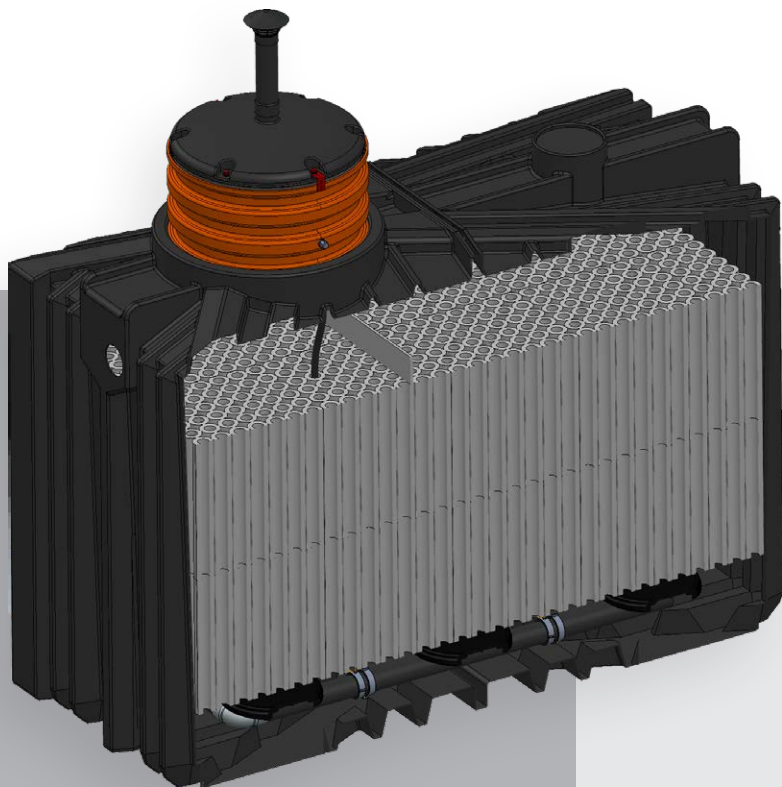
No odour development

Independently tested by PIA GmbH

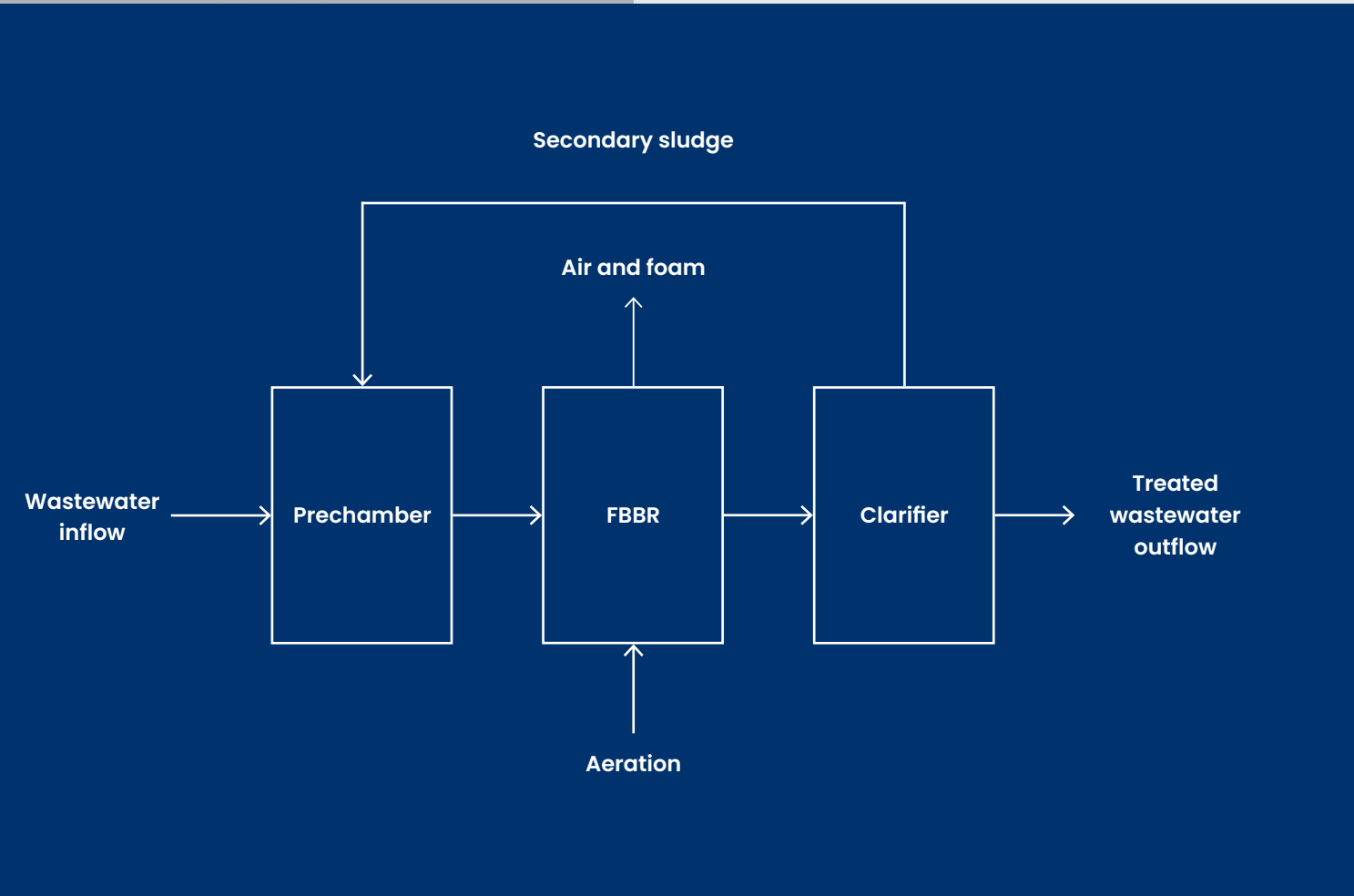
ClearFox® FBBR A series

Compact and flexible.

Just clever.

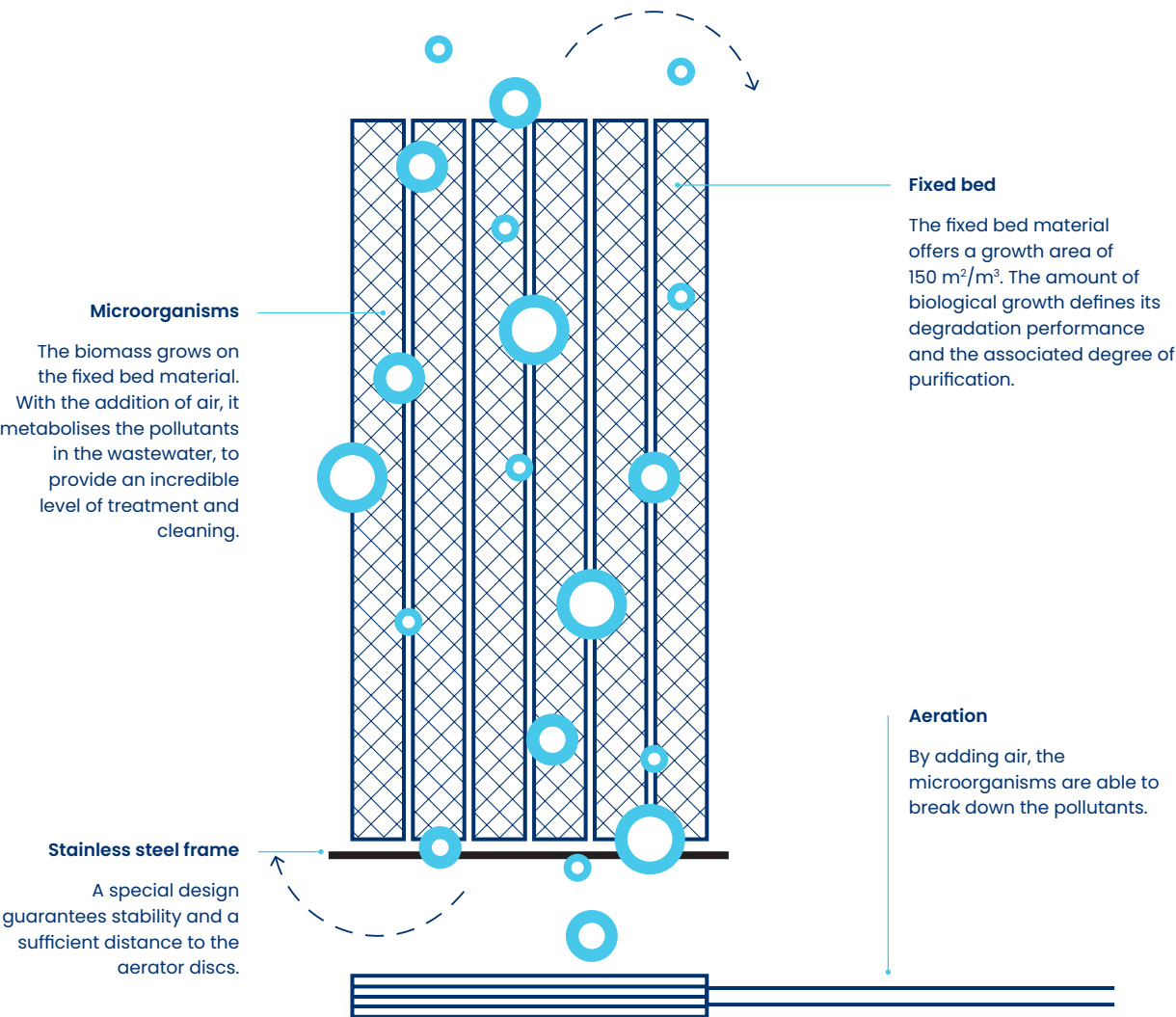


Complete systems in plastic tanks
Combination of existing septic tanks and our modular plastic tank system. Suitable for above or below ground installation.



ClearFox® FBBR

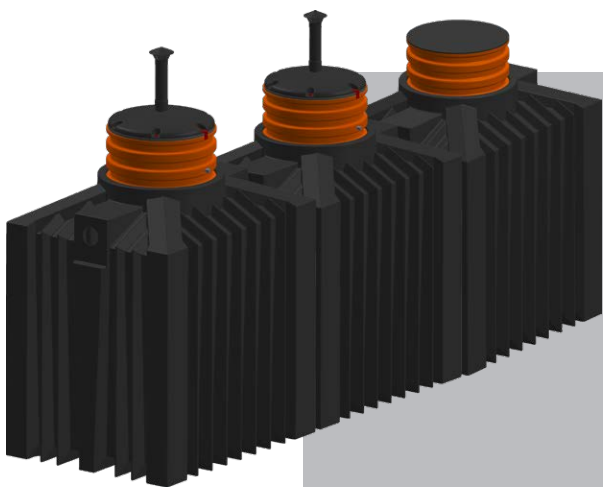
The most efficient solution for biological wastewater treatment.



The **ClearFox® Packaged Systems** provide a ready-to-use solution for wastewater treatment based on the high rate advanced fixed-bed reactor technology. We offer these as complete packaged systems or as customised solutions with our modular components to match each customer's specific needs. The modular design approach enables our packaged plants to handle both industrial and municipal wastewater flows from as little as **50 PE up to 250 PE**. The systems can achieve any required effluent quality for discharge, reuse, or irrigation.

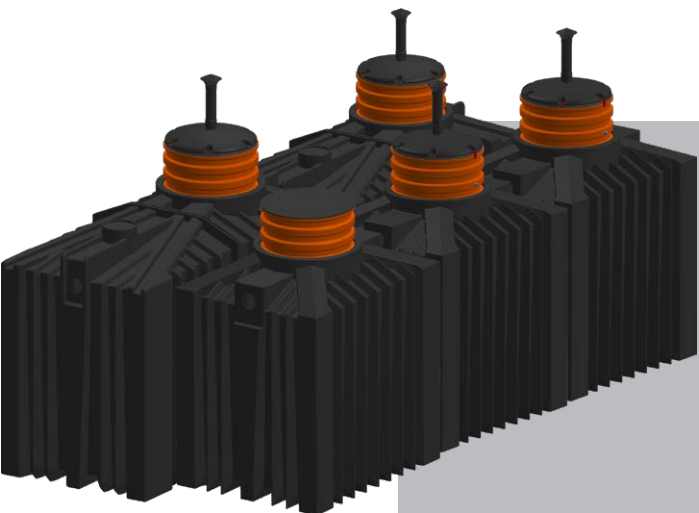
Our Product Range

A totally flexible, modular solution for above or below ground installation.



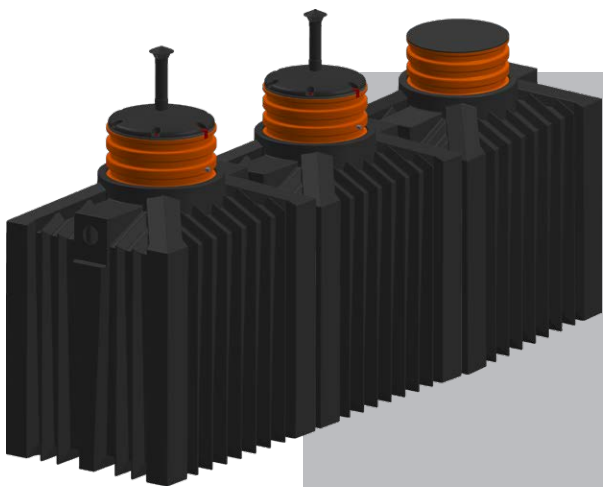
50 PE

This packaged solution comes with two FBBR tanks for biological wastewater treatment and one tank with a lamella clarifier for discharge class C+N. It cleans up to 7,500 L/day. The prechamber has to be provided by the client.



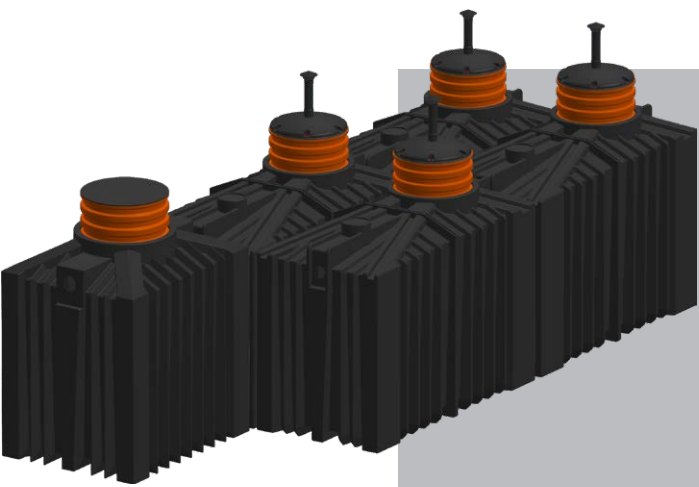
150 PE

This packaged solution comes with four FBBR tanks for biological wastewater treatment and one tank with a lamella clarifier for discharge class C+N. It cleans up to 22,500 L/day. The prechamber has to be provided by the client.



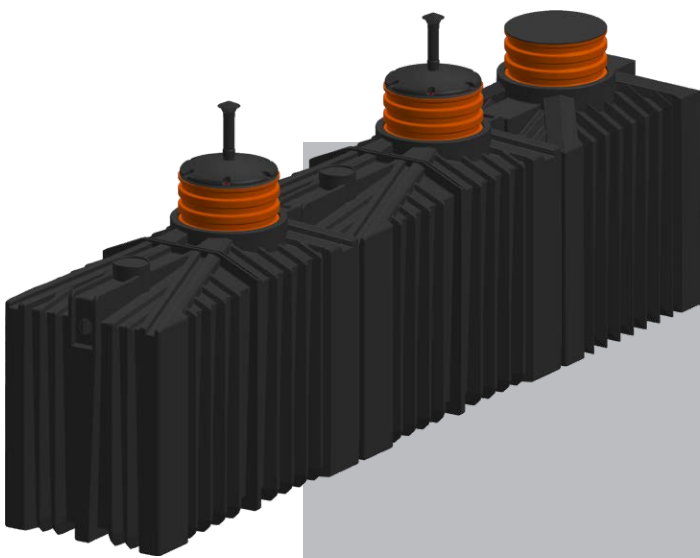
75 PE

This packaged solution comes with two FBBR tanks for biological wastewater treatment and one tank with a lamella clarifier for discharge class C+N. It cleans up to 11,200 L/day. The prechamber has to be provided by the client.



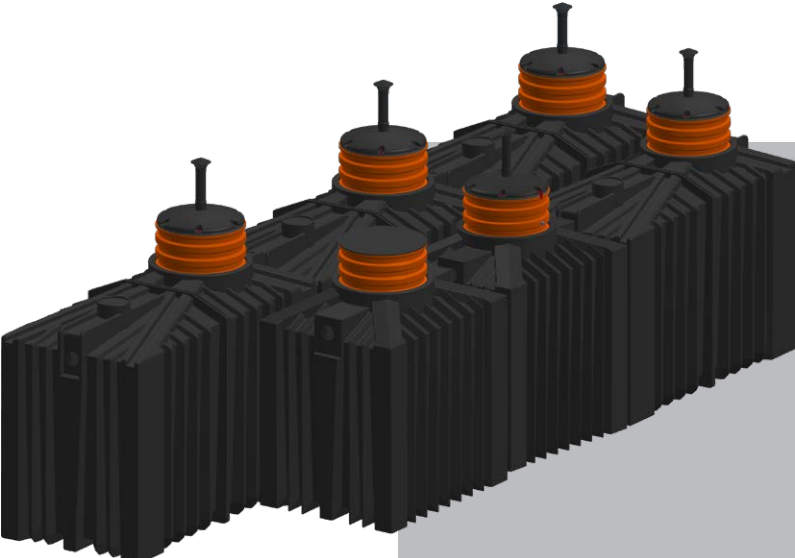
200 PE

This packaged solution comes with four FBBR tanks for biological wastewater treatment and one tank with a lamella clarifier for discharge class C+N. It cleans up to 30,000 L/day. The prechamber has to be provided by the client.



100 PE

This packaged solution comes with two FBBR tanks for biological wastewater treatment and one tank with a lamella clarifier for discharge class C+N. It cleans up to 15,000 L/day. The prechamber has to be provided by the client.



250 PE

This packaged solution comes with five FBBR tanks for biological wastewater treatment and one tank with a lamella clarifier for discharge class C+N. It cleans up to 37,500 L/day. The prechamber has to be provided by the client.

**Do you have any questions?
We are happy to advise you!**
+49 (0) 921 1511 020-0
info@clearfox.com



Further information about
our ClearFox® FBBR A Series
can be found here



Innovation made in Germany

PPU Umwelttechnik GmbH provides wastewater treatment to the private, municipal, industrial and decentralised sectors. Under the brand name ClearFox®, the company sells wastewater treatment plants produced in Bayreuth all over the world. The focus is on biological, chemical-physical and oxidising processes for wastewater treatment. PPU Umwelttechnik GmbH offers selected processes in ISO sea containers. This makes them compact, mobile, modular and available anywhere in the world within a very short time. Each containerised wastewater treatment plant is tailored to individual requirements, making each project unique.

As a general contractor, PPU takes on the planning, production and commissioning of each individual wastewater treatment plant. Every customer can count on reliable co-operation with PPU Umwelttechnik GmbH.

PPU Umwelttechnik GmbH

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