

Industrial Products > Clearfox® FBR

What is the ClearFox® FBR?

A containerised biological treatment step for further treatment of DAF effluent or separate biological treatment of industrial wastewater.

How does it work?

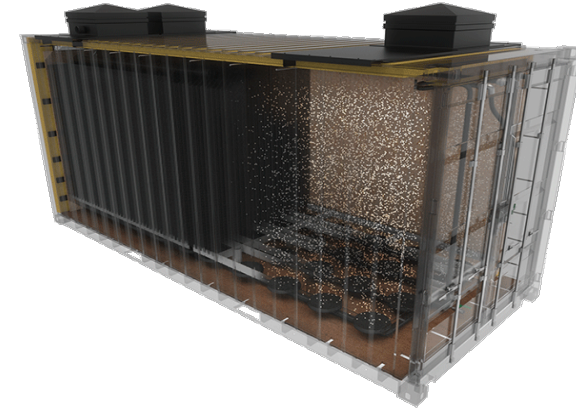
The Clearfox® FBR is a high rate biological treatment step for the removal of a wide range of soluble and insoluble contaminants from industrial wastewater.

What is special about the ClearFox® FBR

High rate biological treatment step [Equivalent to MBR] but without the need for experienced operators. Extremely robust process can deal with highly variable wastewater flow and composition.

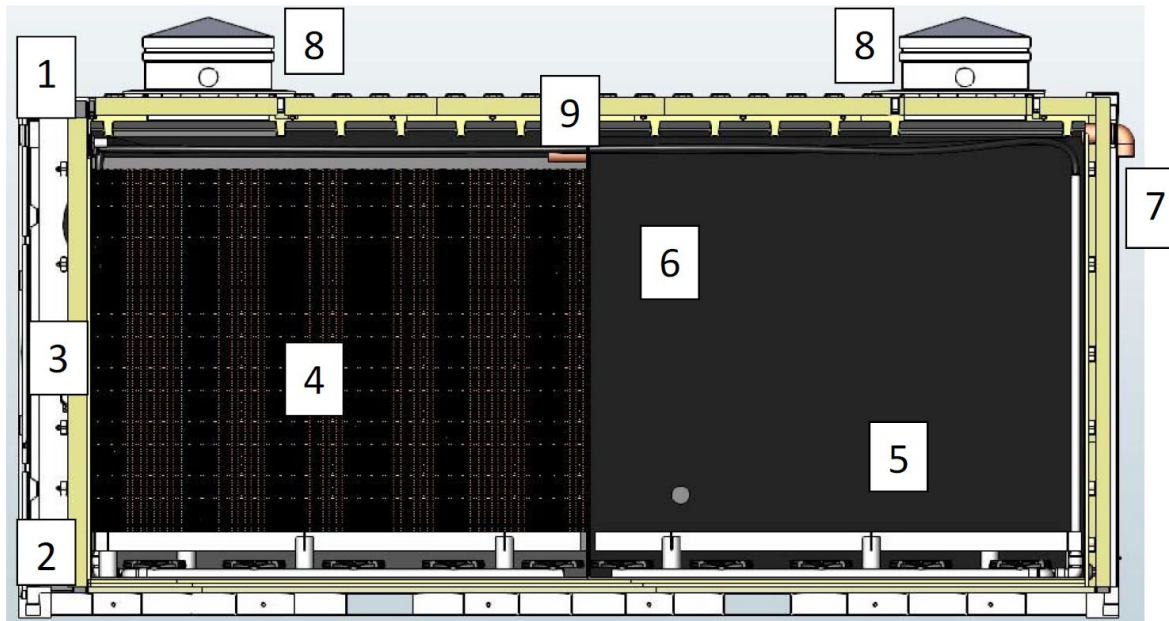
What are its applications?

Biological treatment of any industrial wastewater



Technical Information

- A single 20ft containerised FBR module can deal with a flowrate of approximately 120m³/day, and can degrade 120kg COD and 40kg BOD/day [depending in application].
- Multiple FBR modules can be used to deal with any project size.



Annotated diagram of FBR Container:

1. 20ft sea container (FBR reactor).
2. Inlet connection, DN50 PVC for pressure inlet (adjustable to clients demand), incl. manual flow – meter.
3. Air supply distribution manifold with isolator valves.
4. Fixed bed cascade 1 (100m²/m³).
5. Fixed bed cascade 2 (150m²/m³).
6. Fixed bed cascade 3 (200m²/m³).
7. Outlet, DN100 to clarifying container.
8. Dome-shaft extensions for entry to each cascade [x 3].
9. Foam and gas vent from the reactors, DN100.