

**AQUA
BIOTEC**



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**AQUA
BIOTEC**



**Wastewater Treatment
New Generation**



New Generation of Wastewater Treatment

Today municipal and industrial customers are demanding flexible and economical wastewater treatment processes only having little operational and maintenance effort. In order to meet these demands AQUABIOTEC has developed several standardised and modular solutions for high grade waste water treatment: AQUABIOflux 3.0 and AQUABIOdom. These solutions are based on long term practical experiences and are successfully working in numerous applications since more than 15 years in different industries and municipalities.



AQUABIOflux installation

AQUABIOdom Belezna/Hungary

AQUABIOflux Hexion/France

AQUABIOdom Cornu/Romania

AQUABIOflux Verbania/Italy

AQUABIOdom Guzet/France

„AQUABIOTEC offers modern processes for highly efficient and economic wastewater treatment as standardised and modular solutions “



AQUABIOflux 3.0

New generation of Standardised Biological Aerated Filter sBAF for high grade municipal and industrial wastewater treatment. The AQUABIOflux combines biological treatment and retention of suspended solids in one and the same unit. Highly efficient COD/BOD Elimination, Nitrification, Denitrification, Phosphorus Elimination and elimination of Suspended Solids are achieved in the same unit. The technology represents a modern treatment work with a small reactor volume and high fixed biomass concentration having little operational and maintenance effort.

AQUABIOdom

Full in-house Municipal Wastewater Treatment Plant including mechanical, biological and sludge treatment according to latest EU standards. The plants are realized as turn-key solutions, characterized by low space requirement and low investment/operating costs. The AQUABIOdom consists of modular mechanical and biological units and is available in the range from 1.500 to 10.000 Population Equivalents (300 to 2.000 M³/day). The concentrations in treated water outlet in terms of BOD, COD, NH₄, tot N, P-PO₄ and SS are generally exceeding the official public requirements.

Customers

The solutions of AQUABIOTEC have been successfully implemented in numerous large scale municipal and industrial wastewater treatment plants in several European Countries with up to 15 years of persuasive operational experiences. The technologies of AQUABIOTEC are adapted for the following applications:

- Municipalities up to 10.000 PE
- Touristic regions & Resorts
- Hot & cold climates
- Industries up to 4.000 M³/day
- Paper Industry
- Chemical Industry
- Petro-Chemical Industry
- Food Industry