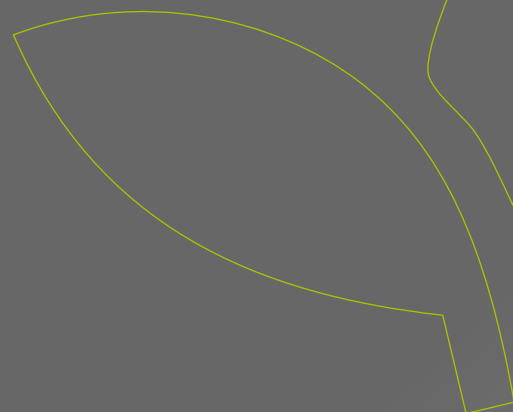




ecodepur®
tecnologias de protecção ambiental



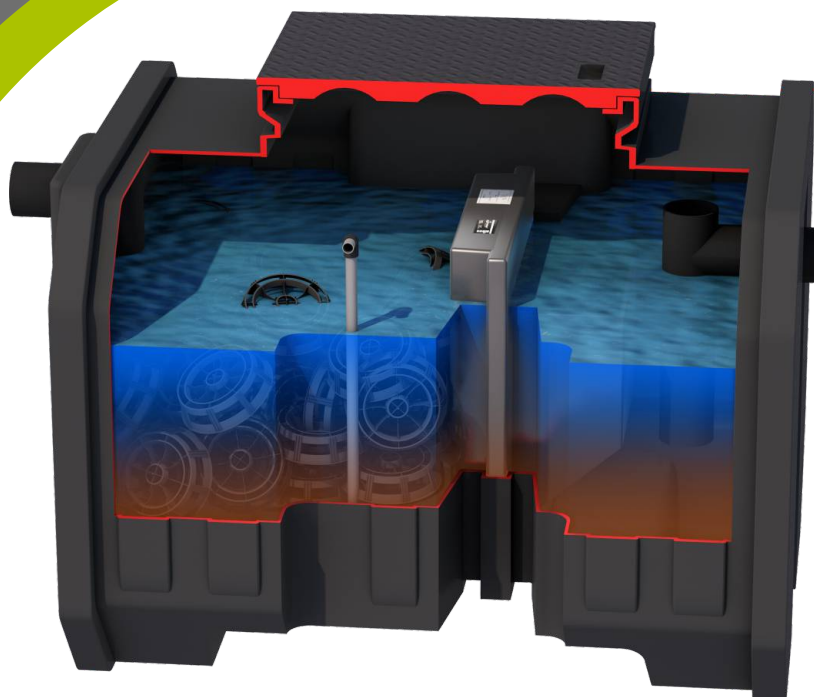
grupohenriques



MICRO-TREATMENT PLANT

ECODEPUR® OXYBIO

[Quality, Innovation, Performance!]





MICRO-TREATMENT PLANT ECODEPUR® OXYBIO

The MICRO-TREATMENT PLANT, **ECODEPUR®**, **OXYBIO**, are a Compact System that integrates an Activated Sludge (Fluidized Mixed Bed Reactor System) and a Secondary Settling, appropriated to the treatment of domestic wastewater.

The constructive characteristics of **ECODEPUR®** **OXYBIO** Reactor associated to the applied starting method (biological activation). Allow to avoid the traditional sludge recirculation from secondary Settling to the biological reactor, thus reducing the power consumption associated to similar systems.

FEATURES

- > CE Marking according EN 12566-3;
- > High treatment levels;
- > Null visual impact (Underground Installation);
- > Silent mini-blower with low power consumption;
- > Easiness and speed of installation;
- > Manufactured in additive linear polyethylene anti-UV, by rotomoulding system, which confer elevated mechanical resistance and insensitivity to corrosion;
- > Absence of unpleasant odours;
- > Treatment system by Activated Sludge in Fluidized Mixed Bed Reactor System;
- > Functioning and maintenance simplicity;
- > Aeration and agitation secured by only component in high profit conditions;
- > Polyethylene cover;
- > Automatic functioning (electric board with integrated delayer);

OPERATION

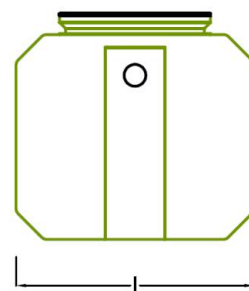
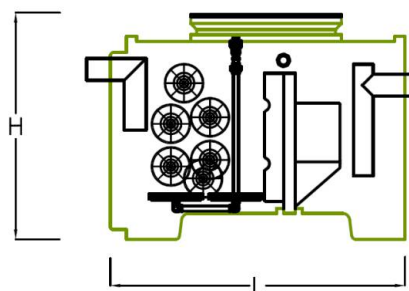
The MICRO-TREATMENT PLANT ECODEPUR® OXYBIO functioning is based on the biological treatment of wastewater on two different processes:

> **Activated Sludge:** it is essentially destined in turning the organic matter transported by wastewater into biological flakes, resorting to the forced air circulation, through a small blower, promoting the oxidation/reduction and the consequent Small organism's development. The synthetic filling introductions in the aeration tank allow increasing the biomass concentration in the reactor interior, maximizing the biological treatment.

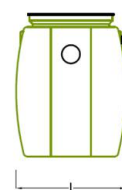
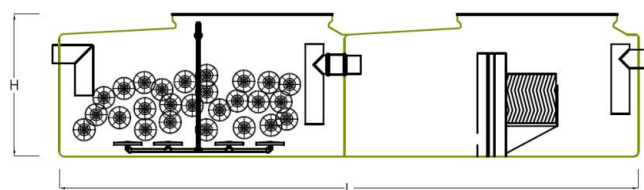
> **Secondary Settling:** the biological sludge subsides, taking place the solid phase separation of the liquid phase; the introduction of a tube settler increases the specific area of decanting that potentates the increase of the decanting efficiency. The effective construction geometry allow that great part of the decanted sludge recedes to the aeration tank, dispensing a recirculation pump that would introduce a perturbation in the decanter and do damage the decanting. The recirculation pump absence also contributes to the almost null power consumption of the installation;

APPLICATION

The MICRO-TREATMENT PLANT ECODEPUR® OXYBIO can be installed in: Small population clusters up to 20 inhabitants; Habitations; Condominiums; Small tourist complexes; Schools; Athletic complexes; Camping; Component maid of wastewater produced in industrial unities, between others;



OXYBIO 6



OXYBIO 20

PERFORMANCE

ECODEPUR®, OXYBIO has **CE marking**, in accordance with the legal obligations that stems from the entry into force of the **Directive 89/106/EEC** on Construction Products, fulfilling all the requisites of the **European Standard 12566-3 - MICRO-TREATMENT PLANT** for up to 50 PTE - Part 3: Packaged and/or site assembled domestic wastewater treatment plants.

Type	Volume	Dimensions (LxIxH)	Pipe(ø)	Weight (Kg)
OXYBIO 6	1.325	1.485 x 1.200 x 1.140	110	95
OXYBIO 10	2.650	2.880 x 1.200 x 1.140	110	185
OXYBIO 15	3.975	4.295 x 1.200 x 1.140	125	275
OXYBIO 20	4.820	5.080 x 960 x 1.230	160	310

Legend

L - Length | I - Width | H - Height

All measurements are given in millimeters. For information on volumes greater contact our technical service / business.