



# OXYGENATOR

## OXYFOX®

OXYFOX® is an oxygenator designed for aquaculture.

This device has a very high capacity of dissolution of oxygen, using few energy.

OXYFOX® has been designed to treat important water flows, and to cover the needs of a series of ponds, or even of the whole fish farm.

The dissolved oxygen level can reach 300% of the saturation at the OXYFOX® outlet.

### CHARACTERISTICS

#### Fabrication

Glass Reinforced Polyester (GRP)

#### Treated water flow

Up to 400 l/s (1440 m<sup>3</sup>/h)  
fresh water

#### O<sub>2</sub> contents at the outlet

Up to 300 % of saturation

#### Dimensions

##### Height

From 3 to 5 m

##### Diameter

From 0,6 to 2,2 m

### Where to install OXYFOX® ?

OXYFOX® can be installed on a by-pass of the main channel of a fish farm for example. In this case, the treated water flow is part of the general water flow.

OXYFOX® is installed either at the outlet of the pump(s) or on a waterfall of sufficient height.

OXYFOX® is partially buried in the ground or installed on the bottom of a deep pond. So, it takes advantage of the hydrostatic pressure for a better oxygen dissolution.

### One or several pumps ?

It is judicious to install the OXYFOX® with two or three pumps, to adjust the treated water flow to the needs of the fish, but also for safety reasons. The equipment is designed in such a way that the outlet concentration remains optimum, when working either with one or several pumps.

### OXYGENATION CAPACITY

Temperature 14°C, efficiency 85 %.

Description	Type of water	Water flow	O <sub>2</sub> concentration at the outlet	Dissolved oxygen (D.O.)	Consumed energy	Ratio kg O <sub>2</sub> / kWh
OXYFOX 110	Fresh water	110 l/s	29 ppm	8,0 kg/h	3,0 kW	2,7
OXYFOX 200	Fresh water	200 l/s	29 ppm	14,5 kg/h	5,5 kW	2,6
OXYFOX 360	Fresh water	360 l/s	29 ppm	25,0 kg/h	10,0 kW	2,5