



# OXYFLOW®



## Designed by FOX France Oxygénation Oxygen dissolver

OXYFLOW® is an oxygenator designed for aquaculture. This device has a very high capacity of dissolution of oxygen into the water, using no, or very low, energy. Each OXYFLOW® is manufactured according to a specific working pressure, for use in fresh water or sea water. The higher the working pressure is, the higher the outlet oxygen concentration is. The higher the water flow is, the larger the diameter and the greater the height of the OXYFLOW® are. A complete range of OXYFLOW® allows to answer all the needs.

In a **Recirculating Aquaculture System (RAS)**, OXYFLOW® is installed on the main pipe. It does not require any complementary piping, nor pumps. It allows **large energy savings.**

OXYFLOW® Dimension		fresh water flow	sea water flow
Diameter(mm)	Height(mm)	(m3/h)	(m3/h)
Φ520	1900	72	43
Φ640	2000	108	65
Φ720	2100	144	79
Φ840	2200	180	108
Φ960	2200	252	144
Φ1160	2400	360	216
Φ1260	2400	432	252
Φ1440	2600	576	324
Φ1640	2700	720	432
Φ1840	2900	900	522
Φ2040	2900	1116	648
Φ2210	3000	1350	774

## OXYGENATION CAPACITY

Water pressure	Dissolved oxygen concentration (Rate to saturation in Air)
0.7bar	400%
1.0bar	480%
1.3bar	540%
1.5bar	560%

## CHARACTERISTICS

### Treated water flow

Fresh water : 1200 ~ 22500l/min

Sea water : 600 ~ 12900l/min

### Dimension

Height : 1900 ~ 3000mm External

diameter : 520 ~ 2210mm

### Material

Glass-fiber-reinforced polyester(GRP)

## CHARACTERISTICS

- nearly 100% high oxygen dissolution efficiency
- Non-corrosive resin design (to prevent corrosion when used outdoors, seawater, or with copper ions)
- Intensive inland aquaculture
- Dissolved oxygen concentration can be controlled above 8ppm even in summer
- Electricity power and energy saving
- Global reference with salmon, rainbow trout (cold water), sea bass, and amberjack (warm water)

### Example of OXYFLOW® installed in Flow-through farm



### Example of OXYFLOW® installed in RAS



Outlet dissolved oxygen concentration: 560% of saturation concentration  
100% oxygen dissolution efficiency  
(water temperature 15°C, elevation 0 mm)