

# INCREASE YOUR REVENUES & REDUCE WATER AND CARBON FOOTPRINTS WITH SAN SOX INNOVATIONS



WINNER OF EU INNOVATION AWARD 2014

## The OxTube

### INGENIOUS DISSOLVING AND MIXING APPLICATION

**The OxTube is the smartest and by its efficiency unique tool in the market**, when it comes to dissolving oxygen and other gases into water or liquids. Moreover, it is most efficient in dissolving or mixing e.g. chemicals, coagulants and so on.

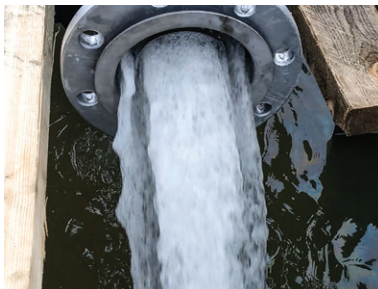
Because of its modularity the OxTube can be fitted to suit versatile needs and facilities. General benefits include e.g.: Fast and continuous process with dissolving and mixing in seconds, consistent process quality, no need for external energy, and ease of maintenance.

**The OxTube grants the best economy in life-cycle costs by being more efficient: by saving time, energy and ingredients, but as well by its huge performance and consistent process quality, not to mention savings in investing phase and servicing.**

The efficiency of OxTube aeration is clearly visible.



Normal Aeration



OxTube Aeration with High O<sub>2</sub> Concentration



# OXYGEN

## FOR LIFE!

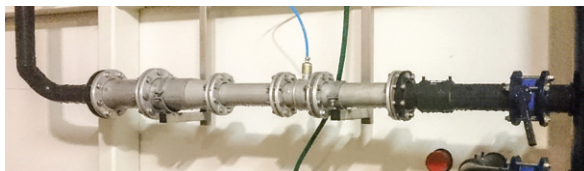
### **OPTIMIZED OXYGEN LEVEL IS CRUCIAL. Benefits include:**

- High content of oxygen is essential when purifying water
- Works for potable, process and waste water treatment
- Makes it easier to remove different particles from water, like ferrous and other metals, chemicals and gases
- Improves e.g. taste and smell, but also microbial activity in WW treatment
- Natural herbarium benefits like human health and welfare, intensifying biological growth of fish & irrigation products.

**All you need is a tube with running water – The OxTube will handle the rest with the oxygen of the atmosphere! No extra rooms or water pumps are needed.**



**The OxTube** can be customized to serve most versatile needs in water / liquid processes. Higher than 50 mgO<sub>2</sub> /l dissolved oxygen levels can be reached when using O<sub>2</sub> or O<sub>3</sub>. It can be manufactured from several materials and diameter can vary from 16 to 200 mm.

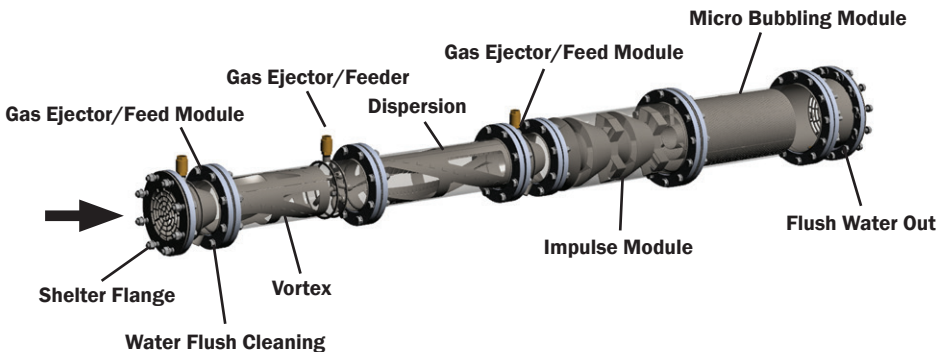


OxTube DN100 at a fish farming facility keeps the oxygen level high, correct, and balanced.

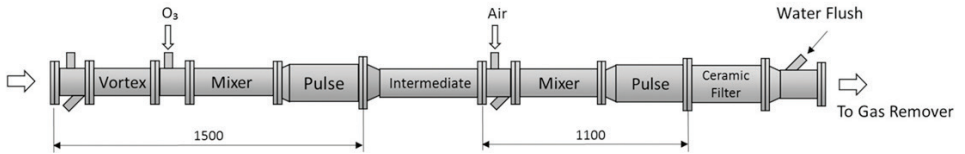
## 4-phase Gas Mixing and Dissolving by Diffusion



- Vortex and Ejector Modules generate a gas suction into the water flow.
- Efficient mixing of oxygen, air or other gas in the water or other liquid.
- Dispersion Module generates hundreds of counter vortices speeding the mixing.
- The vortices are headed with high speed to the Impulse Module.
- Impulse Module creates a high speed flush on the impulse energy walls forcing an extremely fast dissolving by diffusion.
- Finally, the Micro Bubbling Module offers a resting area, in order to enhance diffusion area and time for the perfect dissolving.



## Solution example: Purity cleaning of water



Here ozone is fed into the water flow, where it purifies the water, which is then intensified by efficient dissolving of oxygen by feeding air into the process. Ceramic filter CerTube finalises the result.

The OxTube is a splendid device when you need e.g. quick adjustment of pH, reduce Dioxane or Sulfide, treat industrial process waters or sewages and so on.

SansOx provide customized applications for versatile process needs, where the OxTube is performing in combination with our other innovations and devices.



**For further information, check SansOx Solutions on our web site.**

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