

OXYGEN

in Aquaculture/Fish Farming



Accelerate Fish Growth and Increase Stocking Density with an AirSep Oxygen Generator

Aquaculture is one of the fastest growing food production industries in the world. In particular, there has been a rise in fish farming in developing countries in order to provide healthy and nutritious food to those populations. Aquaculture not only improves food availability in these regions, but also creates jobs alleviating poverty.

A high oxygen level is important for fish production. In fact, fish farmers turn to “on location” oxygen generation as a means to improve productivity.

AirSep Oxygen Generators are a proven alternative oxygen supply and are the most cost effective and safe oxygen source available for use in aquaculture/fish farming.

AirSep’s industry-leading oxygen generator systems are installed at fish farms globally, with significant adoption in North America, South America and Europe.

BENEFITS OF OXYGEN

Standard Oxygen Generators help maintain a sufficient level of dissolved oxygen within the water to:

- ▶ Increase fish rearing density
- ▶ Increase growth rate and overall productivity of fish
- ▶ Reduce bacteria, disease and mortality, improving fish health

AIRSEP ADVANTAGES

AirSep, the industry leader in oxygen equipment for over 34 years offers:

- ▶ Cost savings of at least 50 percent
- ▶ Freedom from gas supply contracts
- ▶ Small, efficient footprint
- ▶ Automated and unattended operation
- ▶ Easy installation and maintenance



An AS-P2000 PSA Oxygen Plant (Oxymar® by OXZO S.A.) is used to provide oxygen for salmon fish farming sea cages in Chile.

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Ecuador – 2018
 Inside of a containerized unit at a shrimp farm, an AS-G is used to oxygenate the shrimp pool.



Canada – 2004
 In St. John's, NL, the Dr. Joe Brown Aquatic Research Building (JBARB) at the Memorial University of Newfoundland has an original AirSep AS-45 (equivalent to the now available AirSep AS-B) to produce oxygen for holding and maintaining fish and shellfish.



Chile – 2017
 OXZO utilizes an automatic oxygen and air production and injection system called OxyMar on floating pontoon barges. That system incorporates four AirSep AS-P or AS-Q PSA generators that provide oxygen for salmon fish farming in sea cages.



Scotland – 2019
 A wellboat is equipped with a water and oxygenation distribution system in the well. An AS-L supplies oxygen to the fish during loading, transport and unloading.

Ireland – 2007
 Two AS-G's provide oxygen to sea trout pens at times of low dissolved oxygen.



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