

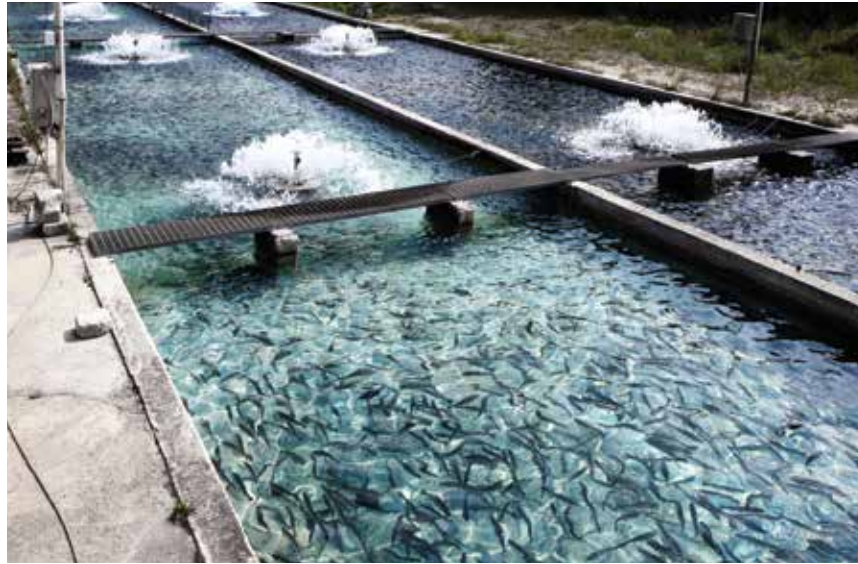


**Fuel for growth: using oxygen
to optimise aquaculture . . .
tell me more**

Improving productivity and efficiency with oxygen

Achieving the perfect production environment is the key to success in the commercial fish farming industry. The right level of dissolved oxygen (DO) in fresh or sea water is vital for the health of aquatic life in water and can optimise survival, enhance growth rates, and maximise the final yield.

Studies have shown that injecting high-purity oxygen into raceways, tanks, and ponds is more effective than air and leads to higher levels of productivity and reduced risk of product loss. As well as increasing the dissolution driving force, the use of oxygen also minimises your energy costs.



Benefits of oxygen in aquaculture

- Improves production and quality
- Optimises growth rates
- Leads to higher yields
- Increases survival rates or minimise risk of catastrophic loss
- Enables higher stock density
- Reduces culture days
- Reduces risk from oxygen depletion
- Minimises need for medication
- Reduces water use
- Reduces energy costs
- Prevents ice formation in winter
- Reduces environmental impact

Optimising environmental performance

Meeting environmental standards in waste water treatment is also an essential requirement for today's aquaculture industry. Air Products has been supplying innovative technology solutions to the water and wastewater industries for over 30 years. Our gases and related treatment equipment can solve even the toughest water treatment challenges.

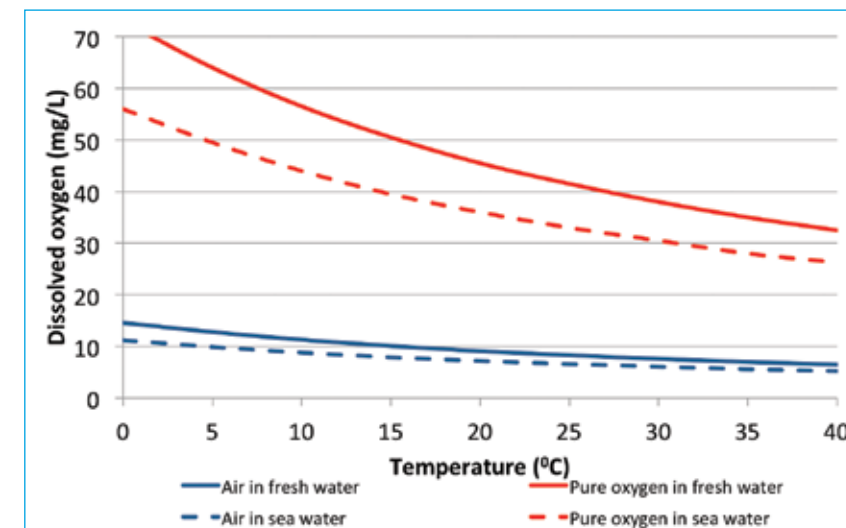
Our Halia® Wastewater Solutions help you manage the quality of your wastewater streams for reuse or discharge, increase your treatment capacity, and reduce the cost and environmental footprint of your treatment process.

Water treatment benefits

- Ensures compliance with environmental regulation
- Improves biosecurity
- Reduces water consumption
- Reduces energy costs

Managing water quality

Air Products supplies high-purity oxygen and aeration systems to hatcheries and fish farms. We provide oxygen in either gas or liquid form, delivered direct to your site or produced in situ.



The graph shows the saturation levels of oxygen for fresh water and seawater (3.5% salinity) at different temperatures. Blue lines represent water in contact with air and red lines represent water in a pure oxygen atmosphere. This illustrates the improved dissolution driving force when using pure oxygen instead of air.

Air Products serves customers in industrial, energy, technology and health-care markets worldwide with a unique portfolio of atmospheric gases, process and specialty gases, performance materials, and equipment and services. Founded in 1940, Air Products has built leading positions in key growth markets such as semiconductor materials, refinery hydrogen, home healthcare services, natural gas liquefaction, and advanced coatings and adhesives. The company is recognized for its innovative culture, operational excellence and commitment to safety and the environment.

For more information, visit www.airproducts.com

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