

# EMOH™ FOR Aquaculture

WHAT IS EMOH™?

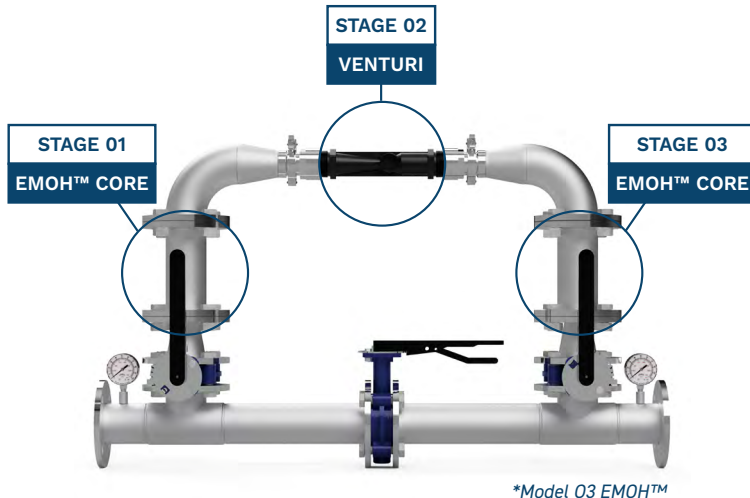
**E**lectron  
**M**agnetic  
**O**xxygen  
**H**ydrogen

EMOH™ is Aequion's proprietary water system. It is comprised of dual treatment chambers (*EMOH™ Cores*) and a specialized venturi. Each chamber applies a powerful magnetic field that diminishes hydrogen-bonding energy while increasing the rate of ion exchange, allowing the formation of monomeric water molecules with greatly improved mobility. The venturi effectively increases dissolved oxygen levels.

No chemical additives are ever used nor necessary.



MAXIMIZE DISSOLVED OXYGEN



\*Model 03 EMOH™



## STAGE 01

Water passes through the first of two *EMOH™ Core* chambers. It is here that clustered  $H_2O$  molecules are broken down, magnetically-charged and reoriented.

## STAGE 02

Water continues through a critical-orifice venturi. Under vacuum, ambient air is introduced into the system creating nanobubbles of dissolved oxygen.

## STAGE 03

Water reaches the second *EMOH™ Core* and final stage of the EMOH™ process. Extended core exposure induces an equilibrium between monomer  $H_2O$  molecules and oxygen-infused nanobubbles.

## THE POWER OF EMOH™ TECHNOLOGY

*Generates and maintains high levels of dissolved oxygen (DO) in water*

*Eliminates dependence on liquid oxygen and oxygen-generators*

*Improves growth rate and hatchability rate*

*Eradicates fungus during egg incubation*

*Promotes fish health and vitality*

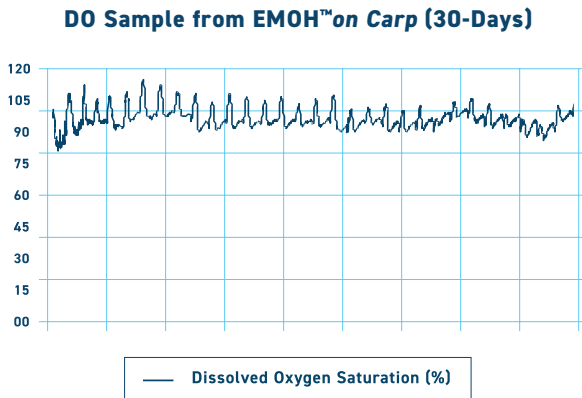
*Minimizes mortality rate*

*Clears organic matter and scaling in both supply and drain lines*

## MAXIMIZING DISSOLVED OXYGEN

EMOH™ technology is a proven-reliable source of dissolved oxygen (DO) in recirculating aquaculture systems, maintaining average DO levels of ~ 100% saturation (well within the ideal range for most aquatic species). EMOH™ systems eliminate farmers' dependence on liquid oxygen and oxygen generators.

EMOH's proprietary injection method increases the lifespan of dissolved oxygen by reducing the tendency to bubble off. This means more consistency.



## IMPROVING WATER QUALITY

EMOH™ is also a powerful combatant of algae, sludge and other organic matter that diminishes water quality. This equates to a reduction in Total Organic Carbon (TOC), Carbon Oxygen Demand (COD) and Ammonia (NH<sub>4</sub>).

Through improved water quality, EMOH™ systems enable farmers to reuse and repurpose water safely.

## BOOSTING FISH HEALTH, VITALITY AND PERFORMANCE

EMOH-treatment decreases fish stress thanks to a super-saturated, aerobic environment that is nutrient rich and lower in pollutants. By increasing viscosity, EMOH™ technology benefits liver function and nutrient absorption, which drive improvements in hatchability rate, feed conversion and growth performance. This contributes to an overall boost in fish health, vitality and energy, while minimizing mortality.

## STRONG RETURNS ON INVESTMENT (ROI)

EMOH™ systems eliminate much of the costs associated with liquid oxygen, oxygen generators and fresh water. They also extend the lifetime of water lines and critical processing equipment by preventing clogs and the buildup of solids.

Additionally, EMOH-treated water reduces the amount of feed and supplementation required to maintain optimal fish health and performance. Notable improvements in size, weight, hatchability and mortality all lend to greater returns.

## AEQUION SERVICES



Evaluation, Design  
And Engineering



Lab Analysis



Maintenance  
And Repair



Remote Monitoring

## MANUFACTURER'S WARRANTY



*A two-year manufacturer's warranty is provided on all Aequion-manufactured equipment.*

## SPEAK TO AN APPROVED CHANNEL PARTNER TODAY

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