

# EMOH™ FOR Hydroponics

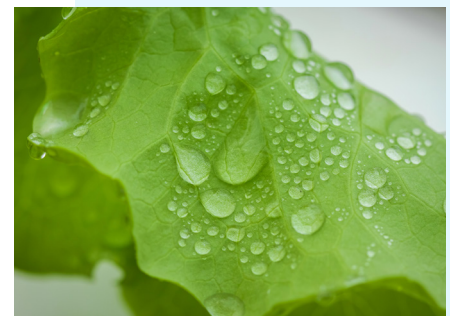
Aquaponics, Aeroponics and Greenhouse

WHAT IS EMOH™?

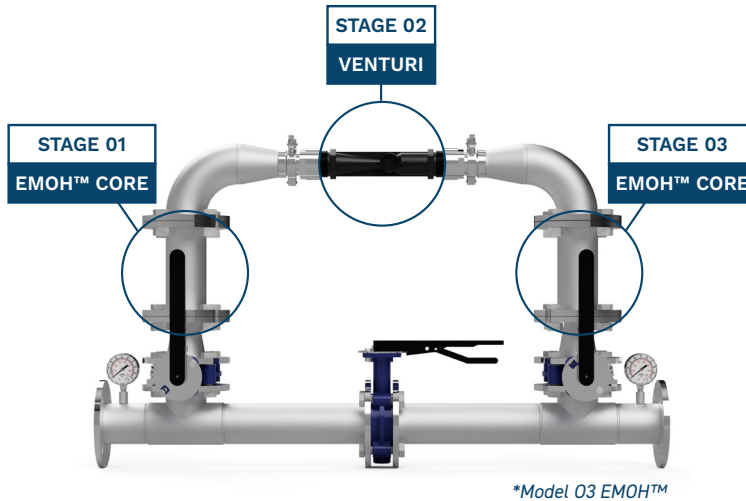
**E**lectron  
**M**agnetic  
**O**xxygen  
**H**ydrogen

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 WATER EFFICIENCY



\*Model O3 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

- *Decreases water viscosity for better absorption*
- *Raises dissolved oxygen*
- *Improves the flow of nutrients*
- *Boosts plant vigor and disease resistance*
- *Maximizes crop yields*
- *Reduces mineral scaling and corrosion in lines*
- *Minimizes equipment and maintenance costs*
- *Eliminates dependence on liquid oxygen and oxygen generators*

## MAXIMUM WATER PERMEATION

EMOH™ systems maximize water viscosity which increases the efficacy of plants' photosynthetic activity. These changes stimulate crop responsiveness from seedling to harvest thus boosting:

- *moisture retention*
- *the flow of nutrients*
- *light absorption*
- *seed germination*
- *time to seed emergence*
- *fine root growth*
- *cropping time*
- *turnover of transplants*
- *resistance to pests, diseases and heat stress*
- *stomata activity in leaves*

By encouraging leaves' stomata activity, EMOH™ improves the efficacy of foliar irrigation and fertigation. EMOH™ customers have even reported a significant decrease in supplemental nitrogen requirements.

## PROPRIETARY OXYGEN INJECTION

EMOH's proprietary injection method increases the lifespan of dissolved oxygen by reducing the tendency to bubble off. This means more consistency. EMOH™ systems are capable of boosting liquid oxygen applications and oxygen generators as well as replacing them.

## DECREASED COST OF PRODUCTION

EMOH™ technology decreases the resources necessary to produce equal or improved crops by benefitting water absorption, photosynthesis and the intake of nutrients, in addition to incorporating a powerful dissolved oxygen-injection system. Less money is exhausted on water, electricity, nutrients, oxygen and nitrogen inputs and man power.

## BETTER CROP QUALITY, YIELDS AND HIGHER RETURNS

The EMOH™ difference is a better quality and quantity of crop, a larger turnover of seedlings and a shorter growth cycle.

These benefits contribute to greater returns and time savings.

## 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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