

EMOH™ FOR Agriculture

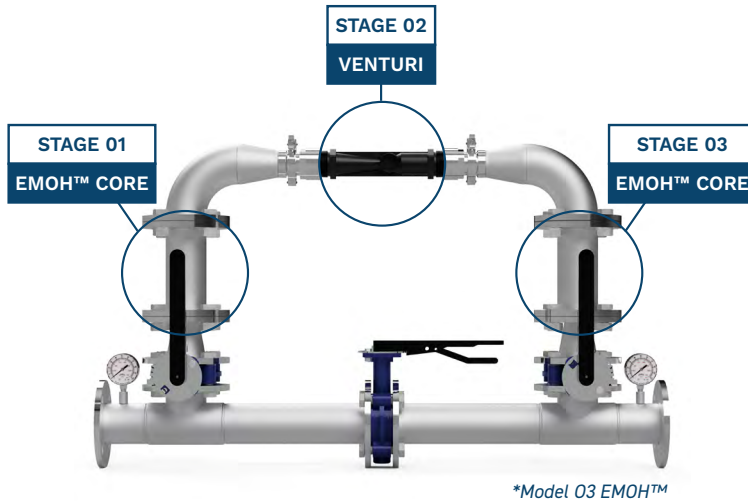
WHAT IS EMOH™?

Electron
Magnetic
Oxxygen
Hydrogen

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 03 EMOH™



Water passes through the first of two EMOH™ Core chambers. It is here that clustered H₂O molecules are broken down, magnetically-charged and reoriented.

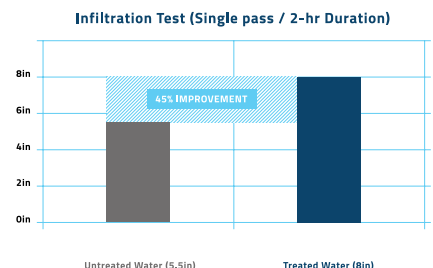
Water continues through a critical-orifice venturi. Under vacuum, ambient air is introduced into the system creating nanobubbles of dissolved oxygen.

Water reaches the second EMOH™ Core and final stage of the EMOH™ process. Extended core exposure induces an equilibrium between monomer H₂O molecules and oxygen-infused nanobubbles.

THE POWER OF EMOH™ TECHNOLOGY

- Increases Overall Crop Yields
- Improves Soil Penetration, Capillary Function and Moisture Retention
- Boosts Plant Vigor and Disease Resistance
- Increases the Flow of Nutrients
- Raises Dissolved Oxygen Levels
- Removes Soil Impurities
- Reduces Mineral Scaling and Corrosion
- Minimizes Water Losses From Evaporation
- Decreases Equipment and Maintenance Costs
- Enhances Spray Irrigation and Fertilization

UP TO 45% IMPROVED SOIL PENETRATION IN ONE PASS



INCREASING CROP YIELDS

EMOH™ technology treats clustered water molecules by breaking them down to a significantly smaller, even molecular level. This decreases the total surface tension of treated water while increasing soil and plant membrane permeability. In fact, EMOH™ systems have been proven to boost infiltration by as much as $\pm 45\%$ after just one pass. The technology effectively improves soil capillary function and moisture retention; crops are then able to withstand up to 20% more days without irrigation.

The secondary function of EMOH™ involves the introduction of oxygen-nanobubbles which are then brought into equilibrium with the optimized water molecules. This ensures lasting dissolved oxygen levels and improved plant health.

Finally, EMOH™ increases nutrient solubility and the overall flow of nutrients.

Combining EMOH™ systems with foliar irrigation and fertigation programs has shown just as many benefits.

IMPROVING PLANT VIGOR AND DISEASE RESISTANCE

Adding to the benefits listed above, EMOH™ technology brings down total dissolved solids, desalinates and removes contaminant matter from source water once treated. EMOH™ treatments even attack algae, biofilm and iron bacteria.

EMOH™ also expands root zones and increases fine root growth. The systems boost seed germination and shorten the timeline on seed emergence.

Crops experience less heat stress given the introduction of EMOH™ treated water.

REDUCING COSTS

By reducing the number of days necessary for irrigation as well as the amount of water used on those days, EMOH™ drastically reduces water costs.

EMOH's improvement of nutrient intake in addition to the intake of any other additive, decreases total inputs. A combination of and trace amounts of hydrogen peroxide (~1-2%) produced by EMOH™ systems reduces mineral scaling and corrosion. Therefore, both maintenance and equipment costs decrease substantially.

AQUION SERVICES



Evaluation, Design
And Engineering



Lab Analysis



Maintenance
And Repair



Remote Monitoring

MANUFACTURER'S WARRANTY



Aequion provides customers a two-year manufacturer's warranty on all of its products.

SPEAK TO AN AQUION TEAM MEMBER TODAY

We are here to help:

Mon-Fri 8-5 PM (PT)

+1 (800) 385-0713
info@aequion.com

Aequion's water experts are dedicated to answering questions and providing an overall positive support experience.



AQUION
WATER TECHNOLOGIES

