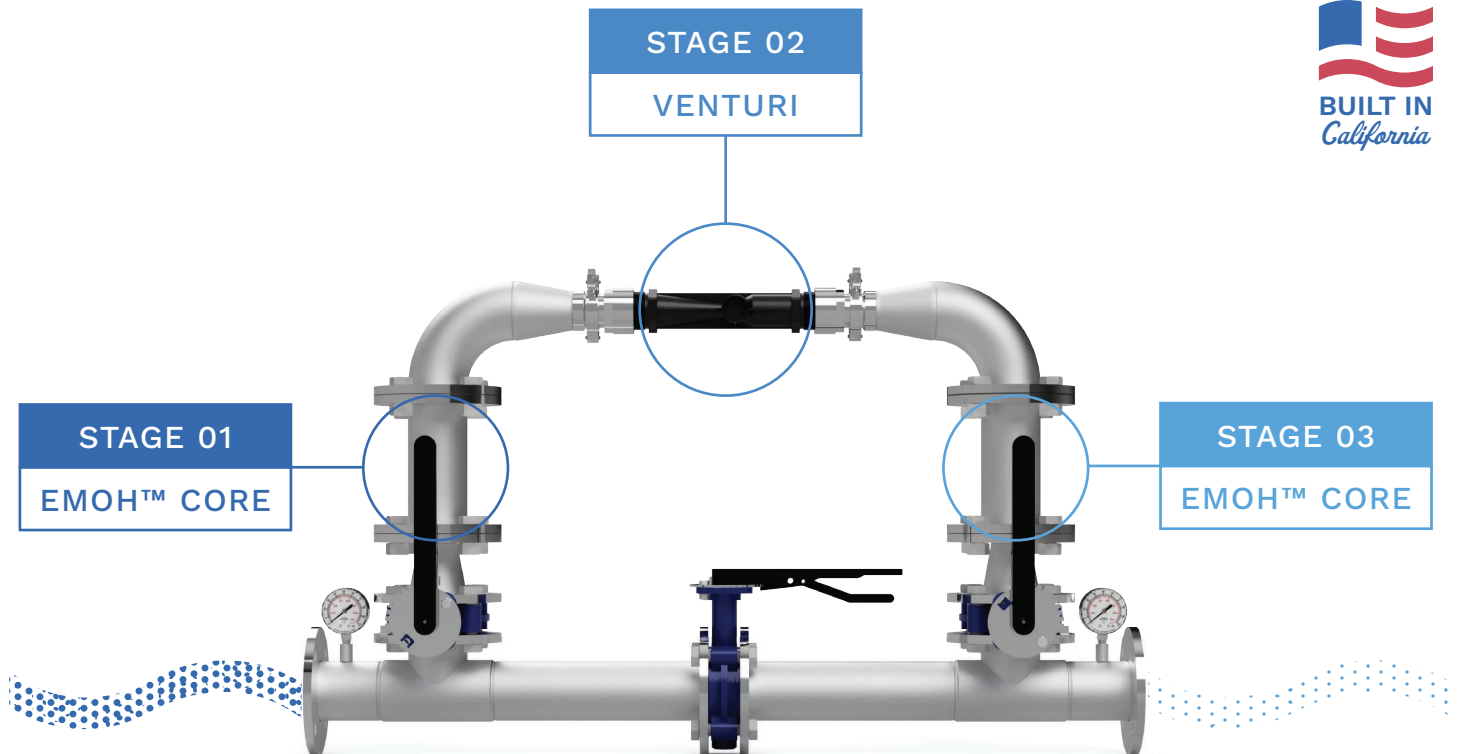


The EMOH™ Process



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.

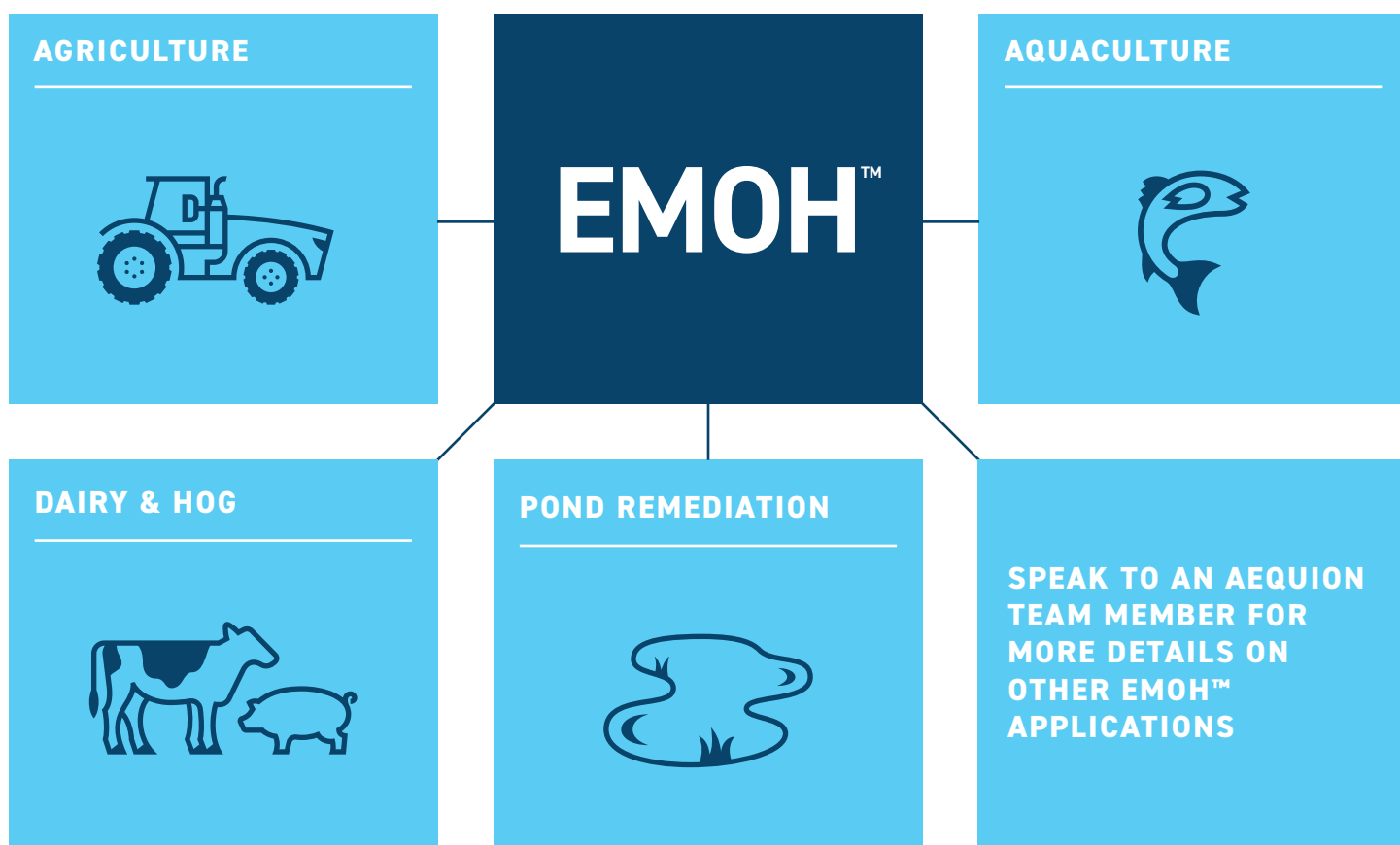
STAGE 02

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

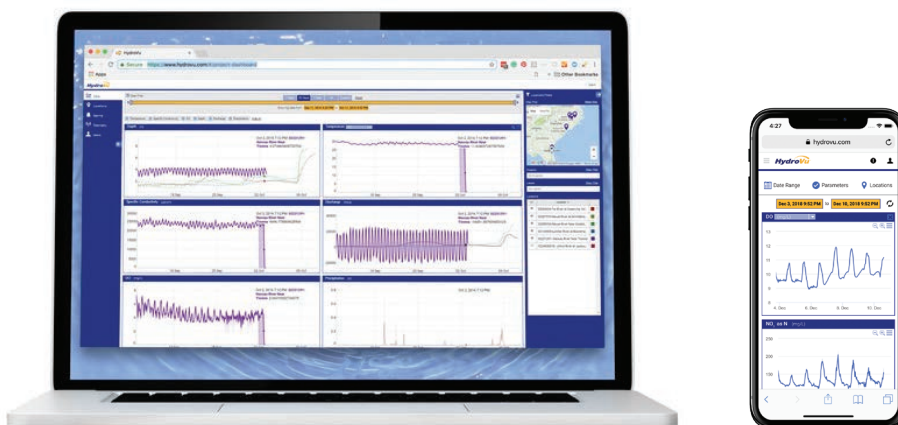
STAGE 03

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.

EMOH™ Technology Applications



Aequion offers tailored remote monitoring packages for most EMOH™ applications. This provides clients with the convenience of tracking their project(s) in real time; it also allows dedicated Aequion team members to respond quickly should any issue ever arise.





Agriculture

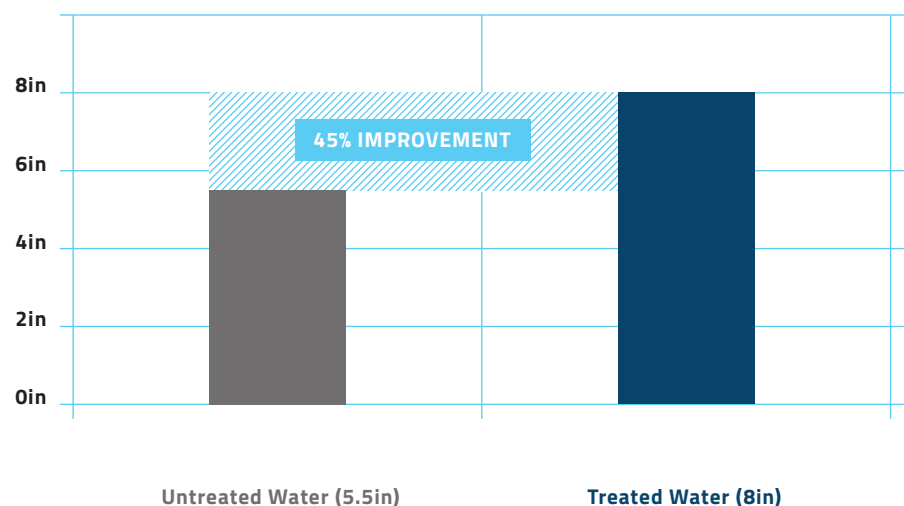
AT A GLANCE

- Improves water infiltration
- Reduces water losses from evaporation
- Raises dissolved oxygen levels
- Increases water and nutrient uptake



- EMOH™ systems break down clustered water molecules, reducing the size and thus improving water penetration by as much as $\pm 45\%$ in just one pass. Water losses from evaporation can be expected to decrease by as much as 20%.
- EMOH™ systems increase dissolved oxygen, water and nutrient uptake, resulting in stronger crops and greater overall yields.
- EMOH™ technology produces a trace amount of hydrogen peroxide, which minimizes scaling in irrigation systems. This process removes the need for harmful acid-alternatives.

Infiltration Test (Single pass / 2-hr Duration)





Dairy & Hog

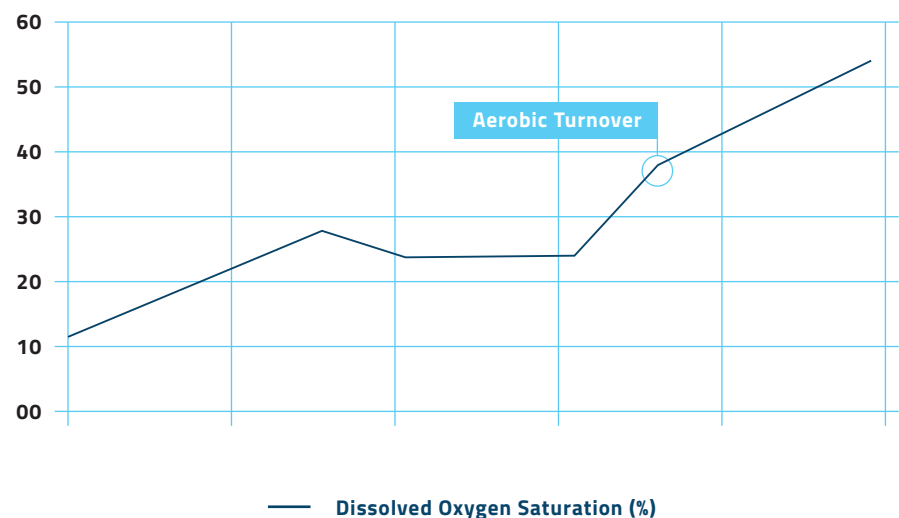
AT A GLANCE

- Eliminates methane production
- Solves lagoon odor problem(s)
- Converts potassium, sodium, and nitrates
- Turns lagoon water into acceptable irrigation water



- EMOH™ systems aid in compliance with the California Air Resources Board (CARB) by directly increasing dissolved oxygen levels, thus turning anaerobic bodies of water to aerobic and eliminating the production of methane. This process solves the odor problem in dairy lagoons.
- EMOH™ technology supports compliance to the California State Water Resources Control Board, namely Title 22, by converting potassium, sodium and nitrates into a safe and/or usable form. By increasing plant uptake, this process also reduces leaching. Water then meets irrigation standards.

Anaerobic to Aerobic Conversion (21-Day Duration)





Aquaculture

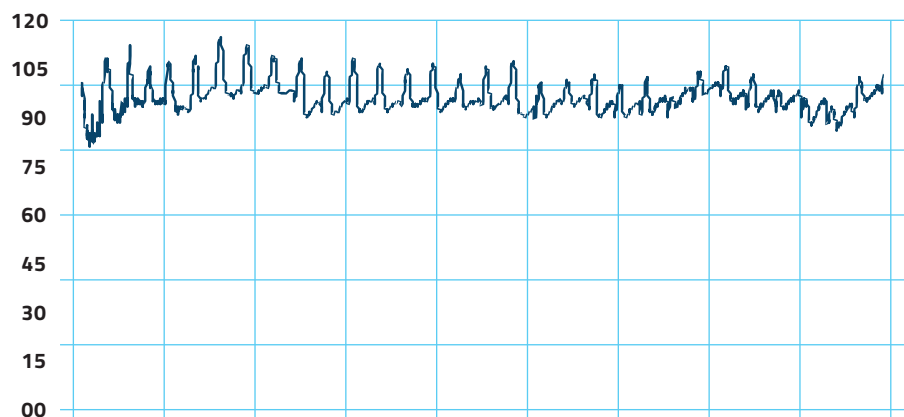
AT A GLANCE

- Reduces dependence on liquid oxygen and oxygen generators
- Maintains optimum environment for fish using just ambient air
- Produces hydrogen peroxide naturally
- Boosts fish health



- EMOH™ systems effectively raise the dissolved oxygen levels in aquatic environments using just ambient air. For this reason, the dependence on liquid oxygen and alternative oxygen-generators is significantly reduced (if not eliminated entirely).
- Dissolved oxygen is retained since the broken-down water molecules are in equilibrium with the generated oxygen nanobubbles.
- Trace amounts of hydrogen peroxide, a natural biproduct of EMOH™ technology, support a cleaner fish ecosystem.
- Operation and labor costs go down considerably.

Active Fish Tank Dissolved Oxygen (30-Day Duration)



— Dissolved Oxygen Saturation (%)



Pond Remediation

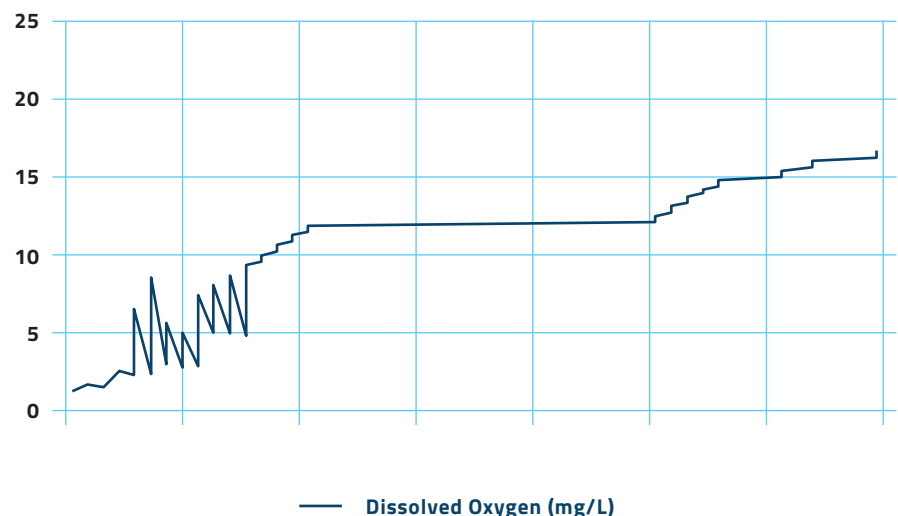
AT A GLANCE

- Eradicates visible and subsurface algae
- Reduces sludge layer
- Eliminates odor
- Decreases total organic carbon (TOC) and chemical oxygen demand (COD)



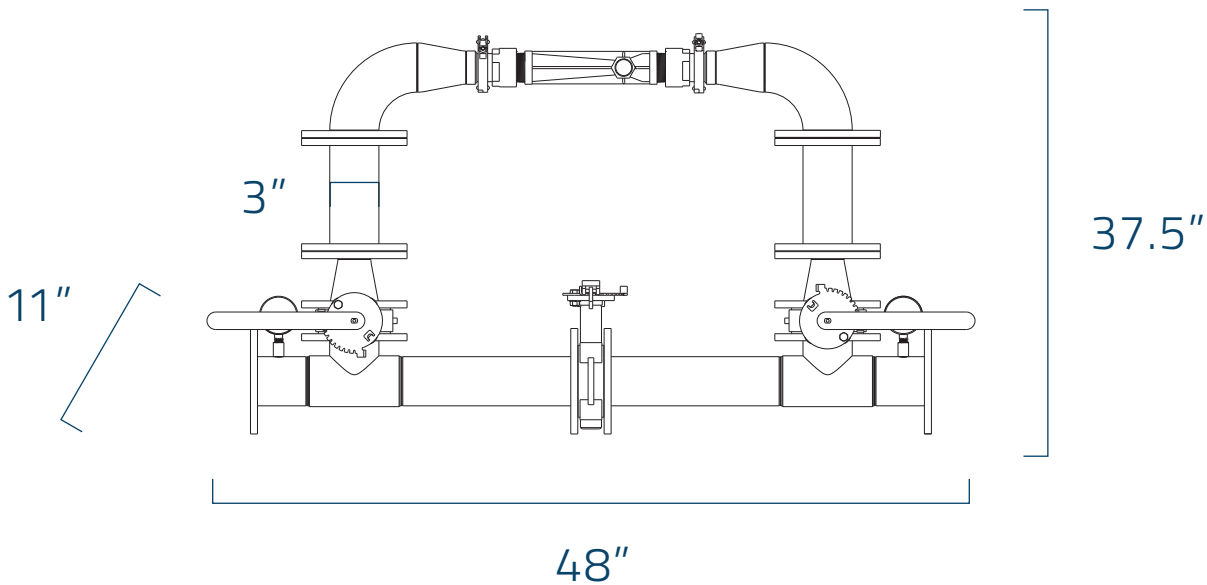
- EMOH™ technology eradicates algae by attacking both the surface presence and the subsurface sludge layers. EMOH™ systems achieve this by rapidly turning anaerobic environments to aerobic, encouraging microbial activity and ensuring a lasting defense to algae outbreaks.
- In situations with deeper sludge and more severe algae, an Aequion expert may prescribe a microbial formula to supplement the existing microbes and speed up the recovery process. Aequion uses no additives nor harmful agents in its microbial applications.
- EMOH™ systems eliminate the production of methane and most other odor-causing sources.

Growth Curve of Dissolved Oxygen (30-Day Duration)



Model 03 EMOH™ Information

APPLICATIONS	MATERIAL	WEIGHT	DIMENSIONS	2-YR WARRANTY
Suitable in all industries	304 Stainless Steel	198 lbs	48" x 11" x 37.5"	All Aequion-manufactured equipment



Model 06 EMOH™ Information

APPLICATIONS

Suitable in all industries

MATERIAL

304 Stainless Steel

WEIGHT

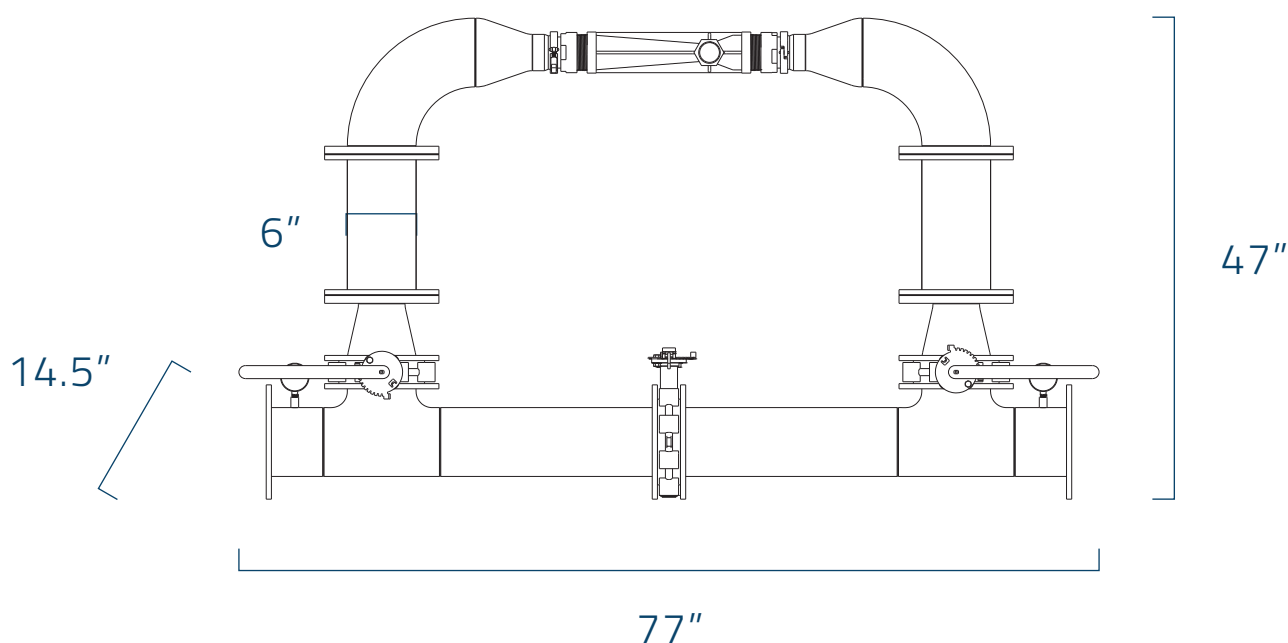
410 lbs

DIMENSIONS

77" x 14.5" x 47"

2-YR WARRANTY

All Aequion-manufactured equipment



Model 06T EMOH™ Information

APPLICATIONS

Large-Scale
Projects, High
Flow

MATERIAL

304 Stainless
Steel

WEIGHT

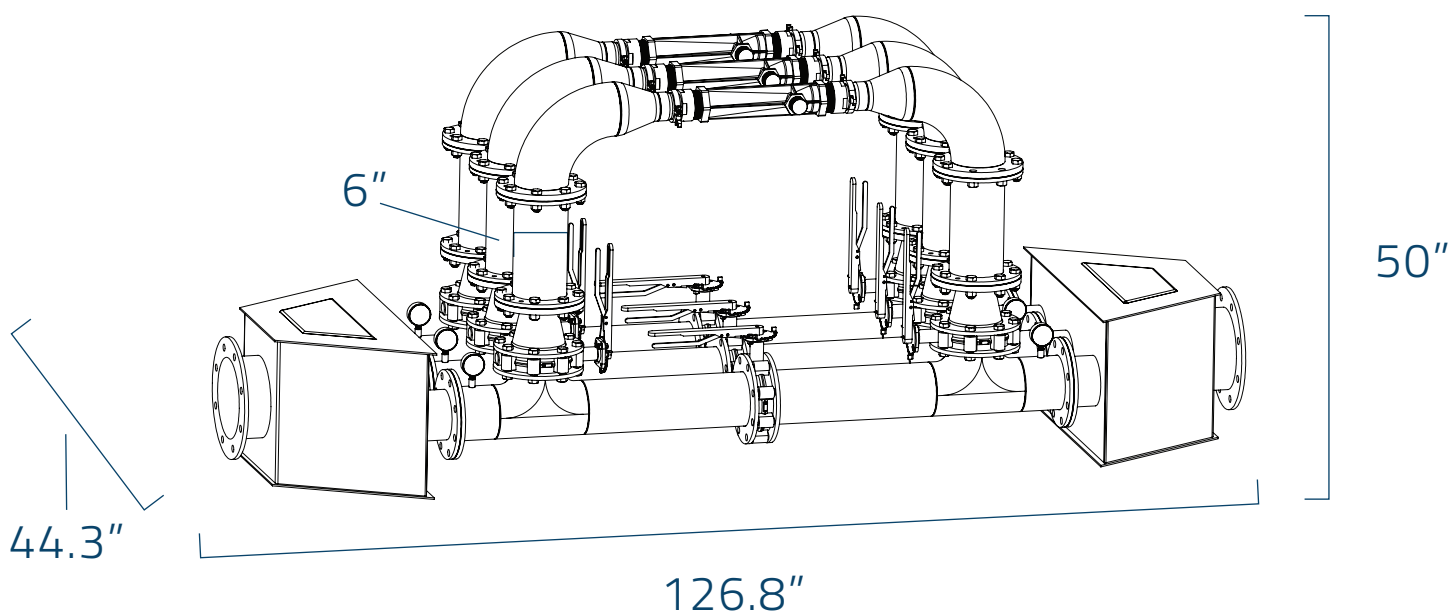
1,600 lbs

DIMENSIONS

126.8" x 44.3"
x 50"

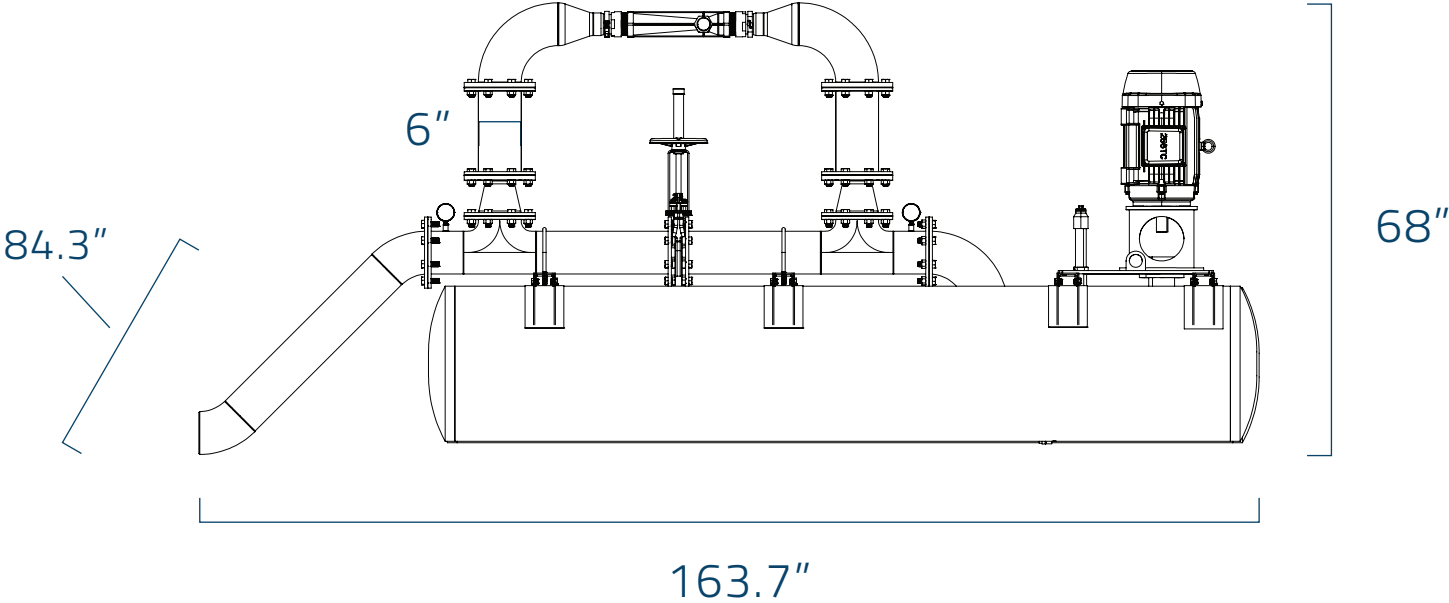
2-YR WARRANTY

All Aequion-
manufactured
equipment



Model 06D EMOH™ Information

APPLICATIONS	MATERIAL	WEIGHT	DIMENSIONS	2-YR WARRANTY
Manure Mgmt, Remediation	304 Stainless Steel	2,200 lbs	163.7" x 84.3" x 68"	All Aequion manufactured equipment



About Aequion

Aequion is a technologies and solutions company aimed at supporting water improvement, water remediation and water compliance in a growing number of industries.

Aequion is the product of deep scientific roots, agricultural heritage and entrepreneurial spirit. Company founder and current president, Ted Batkin, is a fourth generation farmer, inventor and physicist from California's own central valley. With the support of Aequion's cofounders, Ted has managed to build a team of wide-ranging talent, experience and aptitude.

Aequion is wholeheartedly invested in the development of impactful technologies that solve water and air quality concerns in addition to bettering everyday water practices. The company's mission is to shorten the timeline of total sustainability and the company will support both clients and state agencies in this endeavor.

Aequion is pleased to state that all products are manufactured in Visalia, California.

Contact Us

Discover what EMOH™ technology can do for you. Speak to an Aequion team member to discuss your project.

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