



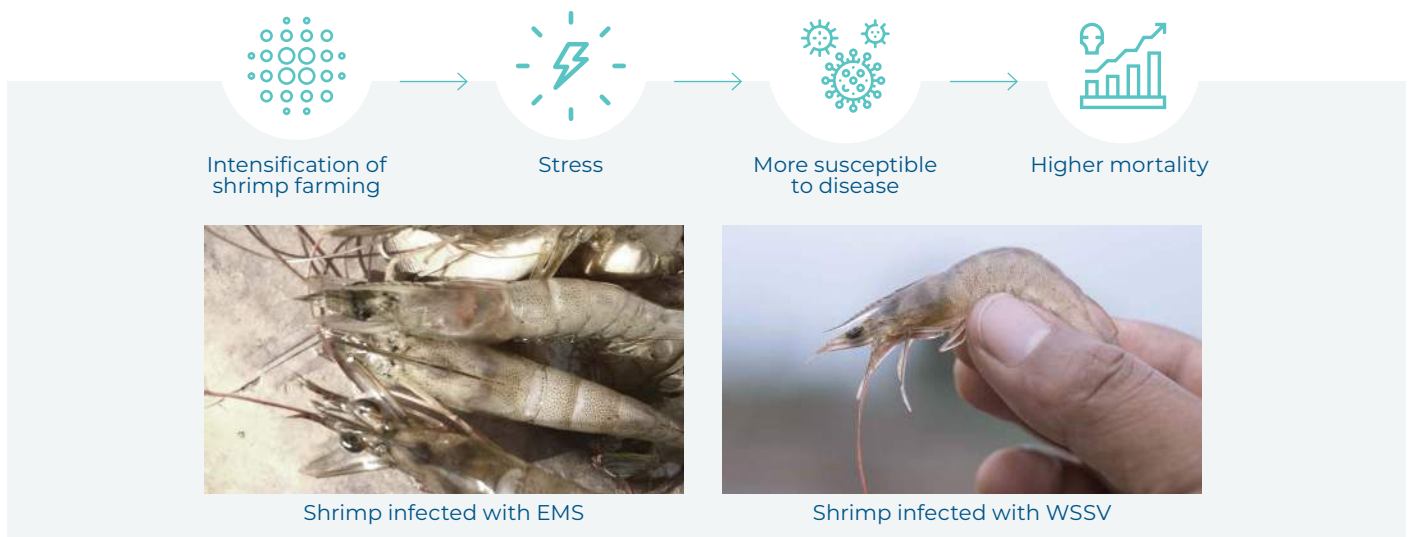
HOD™ UV water treatment for Shrimp farms

Application Brief

Water biosecurity. Some promise, we deliver.

Shrimp farming is facing a significant challenge due to the intensification of farming practices, leading to overcrowding, stress, and an increased prevalence of diseases that cause high mortality rates and poor growth. The industry grapples with the threats of vibriosis associated with mortality in

hatcheries, luminous vibriosis resulting from light-producing bacteria, and the highly contagious and lethal white spot syndrome viral infection. These diseases pose severe risks to shrimp populations, necessitating effective biosecurity measures to ensure their health and productivity.



Atlantium's HOD™ UV technology offers a chemical-free solution to combat these challenges, as it has been proven to effectively reduce the risk of contamination by the mentioned pathogens. By incorporating HOD™ UV into shrimp farming practices, the industry can enhance biosecurity measures and help ensure the health and productivity of shrimp populations, especially for farms that strive to limit their use of antibiotics.

Atlantium's HOD™ UV has also shown significant results in reducing EHP (Enterocytozoon hepatopenaei) contamination in shrimp aquaculture environments, providing a solution to control and prevent its spread, ultimately safeguarding shrimp health and production.

HOD™ UV Technology Overview

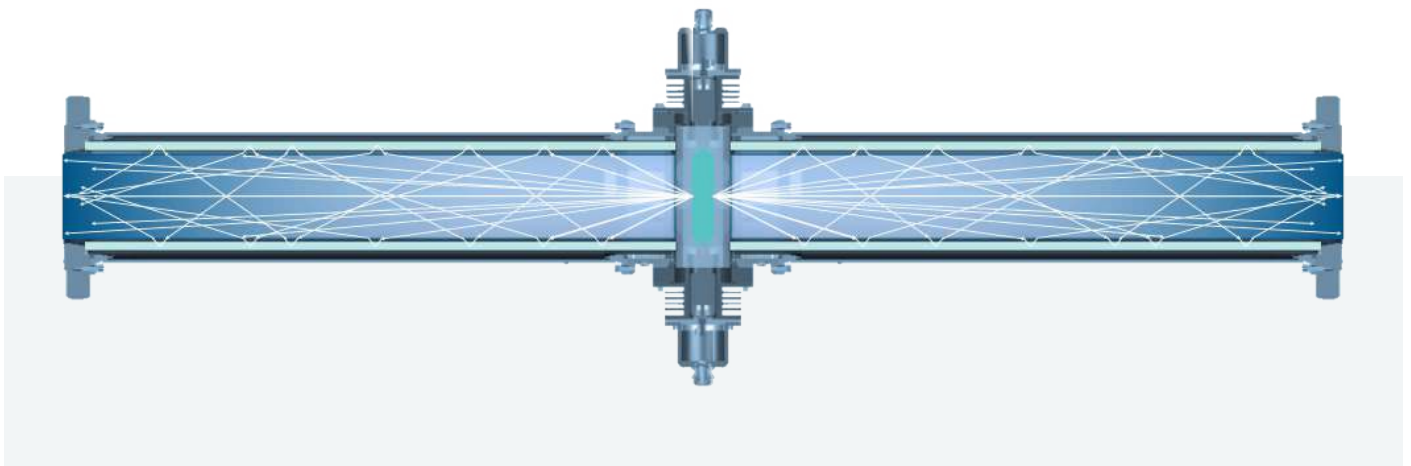


Atlantium's HOD™ UV system provides a distinct water treatment solution, employing medium-pressure UV light and advanced sensor monitoring technology. It precisely eliminates harmful bacteria and pathogens without using chemicals.

The system utilizes Total Internal Reflection (TIR) technology for homogeneous UV dose distribution and superior power efficiency. The high-intensity UV lamps not only ensure a broader germicidal spectrum but also minimize lamp-related maintenance.

Each UV lamp has a dedicated sensor that continuously monitors its output, ensuring the delivery of the required UV dose. This feature reduces the risk of under-dosing or overdosing UV light, ensuring system effectiveness.

An integrated advanced control system provides a continuous display of UVT, flow, power, and UV dose. With a built-in data logging capacity for up to six months and user-based management, the system ensures reliable and accurate operation.



In conclusion, Atlantium's HOD™ UV system is a reliable and effective solution for shrimp farms. It guarantees a healthier shrimp population and maximizes profit by using UV light instead of chemicals for disease prevention. This contributes to enhancing biosecurity, driving your shrimp business growth.



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