



HOD™ UV for Aquarium Water Biosecurity

The solution for a natural environment!

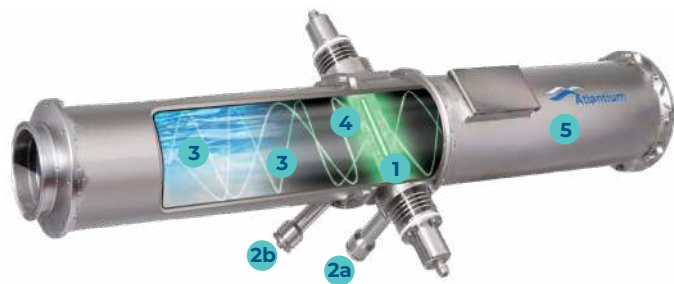


Only Medium Pressure UV Protects All Aquatic Life

Aquariums need to protect many aquatic species that are sensitive to different pathogens, but different pathogens are sensitive to different wavelengths of UV light.

The Atlantium Difference

Medium pressure only needs a dose of 93mJ/cm² to achieve 4 log virus disinfection of hard-to-kill viruses like adenovirus. But it takes over 186mJ/cm² and often much more to get the same performance from low pressure lamps.



Next-Generation UV Technology for Green & Sustainable Ecosystem

Atlantium system uses full spectrum polychromatic UV light, that leverages the entire UV germicidal spectrum to inactivate and destroy microorganisms, protecting all aquarium aquatic life. It eradicates bacteria such as Vibriosis, viruses such as VNN, fungi such as Saprolegnia and parasites such as Kudoa Neorophila, that threaten the aquatic life environment. Atlantium uses fiber optic and hydraulic principles to optimize UV energy efficiency and enable uniform dose distribution to protect the entire water volume.

- 1 Medium Pressure broad spectrum UV** provides efficient photo-decomposition. Medium Pressure UV is efficient regardless of pH, salinity and temperature of the water – hot or cold (0-60 C / 32-140 F)!
- 2 Integrated software automatically adjusts UV power to continuously maintain the required UV dose.**
 - a. One sensor monitors UV lamp intensity.
 - b. Another sensor monitors and controls the UV lamp to assure that it maintains the required dose.
- 3 Patented Atlantium technology recycles UV photons, optimizing energy efficiency.** Fiber optic effects of Total Internal Reflection enables uniform dose distribution, ensuring that the entire water volume is treated completely.
- 4 Thick quartz tube separates the UV lamp from the water chamber** for quick & easy lamp replacement while avoiding risks of broken glass and mercury in the water.
- 5 Stainless steel housing meets industrial standards.**

Sustains Aquatic Life from Anywhere in the World



The monitor shows status in real-time, including the UV dose delivered right now

Atlantium's system has integrated sophisticated software for real time monitoring & control, so you know exactly what UV dose you're getting all the time.

System Validated to Highest Regulatory Criteria

Atlantium's HOD™ system is validated for microbial inactivation to the highest regulatory standards including the FDA and EPA, assuring the reliability you need to protect your enterprise.

Clear Water Brings Colors to Life

Atlantium's clean, green solution brings colors to life! It prevents mucous formation and improves water clarity.

Atlantium's HOD™ UV system protects all aquatic life including hard corals and other sensitive species such as giant clams, and also brings colors to life.

The Atlantium's system is equally effective with all water temperatures and salinities, making it possible to maintain aquatic habitats from anywhere in the world – from the Arctic to the Amazon. No matter what the natural habitat of your aquatic life – they will feel at home.

Easy to Use & Maintain

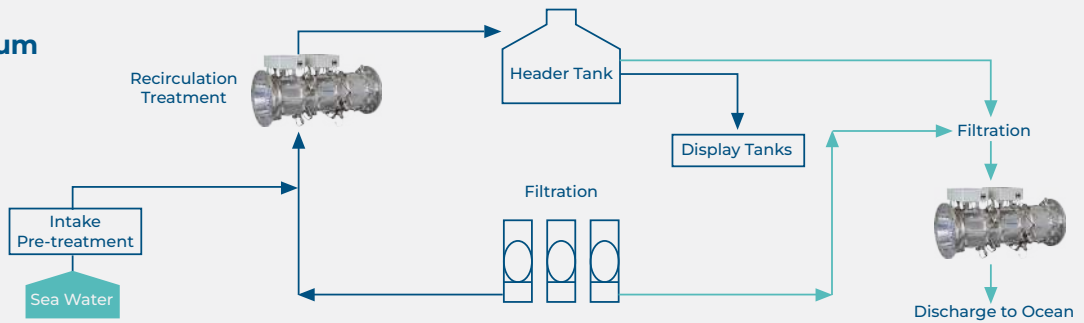
Atlantium's HOD™ system is a true in-line system using short UV lamps securely positioned for quick replacement (4 minutes).

Continuous real-time monitoring & control of system performance and critical parameters including UV lamps intensity, water flow rate and water UVT (water UV transmittance), ensures that the unit always maintains the required UV dose for microbial inactivation.

The system comes with customizable options including remote control, data logging and monitoring, with real time access for up to nine Atlantium systems.



Typical Aquarium Installation



Atlantium's HOD™ system can be used for Flow-through, Recirculation and Effluent applications in any location

About Atlantium

Atlantium Technologies founded in 2003, provides water-dependent industries such as dairy, food & beverage, pharmaceutical and aquaculture, as well as municipalities, with UV (ultraviolet) based treatment to meet the growing need for safe water.

The company's cost-effective and environmentally-friendly HOD™ solutions deliver unprecedented microbial inactivation, taking water safety to levels never before achieved with other UV systems.

Atlantium's HOD™ system is field proven and validated to the highest regulatory standards including EPA, FDA and PMO. The company has an international customer base with installations all over the world.

