

HOD™ UV

Delivering EPA-Compliant Drinking Water for Packaged Ice



PURE PERFORMANCE in Every Cube

Ice is food – treat it with the same care.

Just like any food product, ice must be protected from microbial contamination. With growing awareness of foodborne illness, ensuring the safety of packaged ice is more important than ever.

That's why the HOD™ (Hydro-Optic Disinfection) UV for packaged ice delivers reliable, chemical-free UV disinfection, ensuring every cube meets the highest standards of hygiene.

With over 20 years of experience in water treatment for the food & beverage industry, Atlantium's HOD UV water treatment solution provides a verifiable layer of protection for your packaged ice – meeting the highest expectations from auditors, regulators, and customers alike.



Why HOD UV

- Third-party validated
- Fully EPA compliant system for delivering Pasteurized Equivalent Water
- NSF/ANSI 61 certified
- Generates and stores EPA-compliant reports
- Easy to integrate, operate, and maintain
- PLC-compliant control system ensures smart integration to SCADA
- Delivers maximum performance efficiency for packaged ice producers
- Service & support you can count on – Our customer support engineers are located throughout North America, backed by local spare parts storage and immediate assistance whenever you need it

What Industry Leaders Are Saying

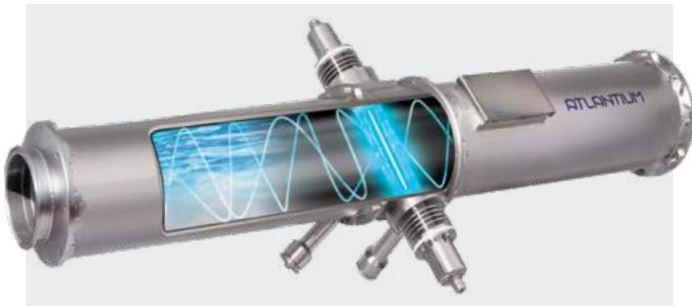
The Home City Ice Company has partnered with Atlantium's HOD UV technology to help ensure compliance with state and federal regulations for several of its packaged ice manufacturing locations. Recognizing that 'Ice is Food', Home City Ice sought a disinfection solution that would help with product safety at these locations. Atlantium delivered a tailored, cost-effective system that supports our commitment to brand protection and risk mitigation."

Rob Gillum | Operations Director
The Home City Ice Co., Cincinnati Ohio

HOD UV Technology

How Does it Work?

The HOD UV system features the unique Total Internal Reflection (TIR) technology that recycles UV light energy, ensures homogenous UV dose distribution and provides superior power (kW) efficiency compared to traditional UV.

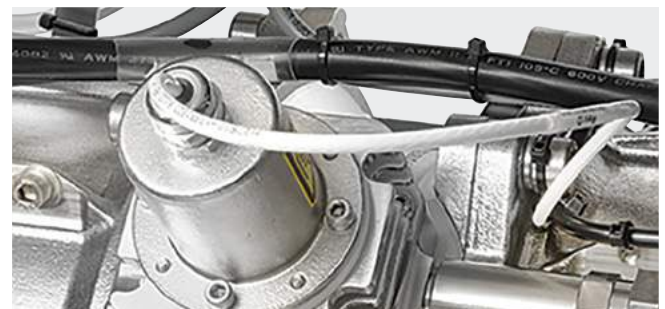


Enhanced HOD UV Light

- Medium pressure high-intensity HOD UV lamps enable fewer UV lamps per system
- Medium pressure UV lamps provide a broad germicidal spectrum of polychromatic UV light (200-415 nm)
- Lamps are protected by a quartz sleeve 5 times thicker than conventional quartz sleeves
- Significantly reduced lamp-related maintenance
- Quick and easy lamp replacement, does not require emptying of the water lines or depressurization

Advanced Control System

- Continuously displays UVT, flow, power and UV dose
- Provides real-time data on operation and efficacy
- Features built-in data logging, up to six months
- Easy integration with the control SCADA system
- Customized with user settings for alarm signals
- Features user-based management with a smart authentication system



Real-Time Water Quality Monitoring

- Integrated UV transmittance (UVT) sensor on each HOD UV system
- Continuously monitors UVT%
- Optimizes system performance for actual, not estimated, UVT% levels

Real-Time Lamp Performance Monitoring

- Dedicated UV sensor for each HOD UV lamp
- Continuously monitors HOD UV lamp output
- Ensures delivery of required UV dose at all times