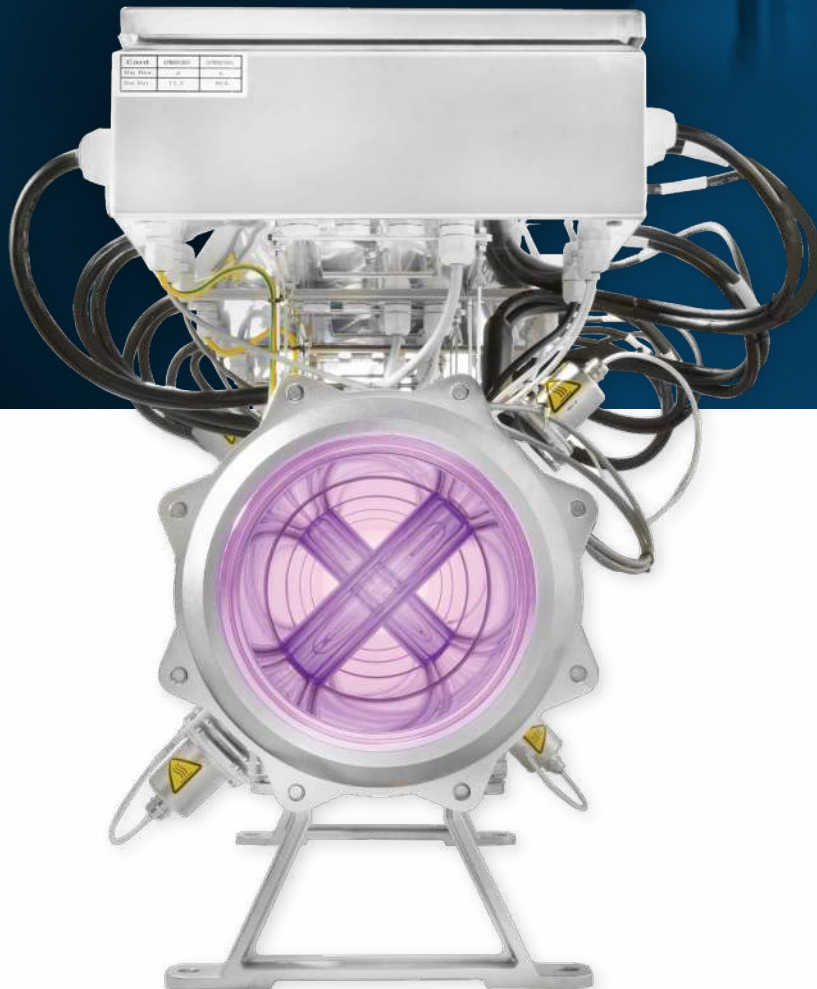


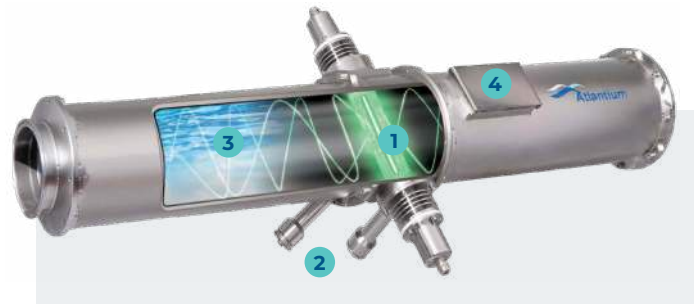


HOD™ UV Technology

Delivering Real-time Monitoring
and Advanced Control



Atlantium's HOD™ UV systems feature 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.



1 Thick Quartz Tube, Short Medium Pressure HOD™ UV Lamp

2 Automatic Real-time Monitoring & Control

3 Quartz Chamber Uses Fiber Optic Principles

4 Show-Me Window

Features	Benefits
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 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
Real-Time Lamp Performance Monitoring	Dedicated UV sensor for each HOD™ UV lamp (feature unique to HOD™ UV technology)
	Continuously monitors HOD™ UV lamp output
	Ensures delivery of required UV dose at all times
Advanced Control Systems	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
Real-Time Water Quality Monitoring	Features user-based management with changeable usernames and passwords
	Integrated UV transmittance (UVT) sensor on each HOD™ UV system
	Continuously monitors UVT%
	Optimizes system performance for actual, not estimated, UVT% levels