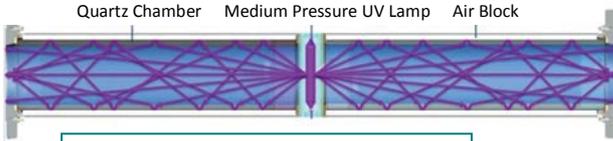


RZ-300 series

Engineered to Guarantee Bio-Security and Reduce Energy



Lower Energy Costs, Optimized UV Power

- Patented Hydro-Optic engineering optimizes UV efficiency
- Quartz treatment chamber engineered for longer UV light paths and optimal water flow
- All pathogens are exposed to a uniform UV dose – proven and validated!



New Waterproof Ballast Model Costs Less

- Maximum flexibility – you decide where to place it
- Easy access for maintenance



New Cable Connection Box

- Plug & Play style: easy to connect
- Waterproofed for safety: IP56



Medium Pressure UV: Fewer Lamps, Better Protection

- Atlantium Medium Pressure high-intensity UV lamps more effective and cost-efficient
- Compromises microorganisms' repair mechanisms for long-term bio-security
- Effective in cold & warm water too

Guaranteed Bio-Security: 2 Sensors per Lamp

- One sensor tracks UVT (water clarity)
- One sensor tracks lamp intensity

Real-Time Monitoring*

- Automatically adjusts UV dose according to real-time conditions
- Displays real-time data status, including actual UV being delivered.
- Continuous documentation for QA and regulators



Lamps Safer, Easier to Handle

- Small footprint: low risk of breakage
- Thick quartz tube separates lamp from water chamber for quick & easy lamp replacement
- No possibility of broken glass and mercury in water



Customized Control*

- User-friendly integration with plant controls
- Option for remote monitoring
- Alarm settings for general, UVT, dose out
- Touch-screen technology

* Larger monitor/controller available with additional functionalities and full color screen

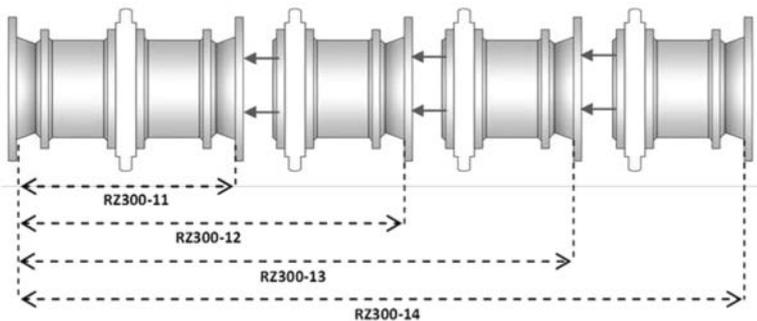
Medium Pressure High Intensity UV Systems	RZ300-11	RZ300-12	RZ300-13	RZ300-14
Lamps *	1	2	3	4
Max Power Consumption (lamp only)	4.2 kW	8.4 kW	12.6 kW	16.8 kW
Length of lamp (mm/inch)	462.8 / 18.22			
Unit Length (mm/inch) **	782 / 30.8	1100 / 43.3	1418 / 55.8	1736 / 68.3
Unit Weight (kg/lb)	140 / 308.6	184 / 405.6	228/502.6	295/ 650.4
Unit volume (liter/gallon)	69 / 15.8	83 / 22	105 / 27.7	128 / 33.8
Width at widest point (mm/inch)	DIN2527 DN350 PIN16: 505 / 19.9. ANSI B 14"150lb: 533.4 / 21			
Required service clearance on sides (mm/inch)	750 / 29.5			
Minimum Height above floor (mm/inch)	750 / 29.5			
Standard pipe connection options	DIN2527 DN350 PIN16° ANSI B 14" 150lb			
Operating water temperature	0-60°C / 32-140°F			
Maintenance water temperature	0-90°C / 32-194°F			
Maximum Flow Rate	Application dependent			
Maximum working pressure	7 bars / 102 PSI			
Disinfection chamber material	High grade fused silica (quartz)			
Housing material	Electro-polished stainless Steel 316L			
Controller	Integrated, with flat touch screen user interface. Remote monitoring & control optional			

* Number of lamps determined by application

**Flange to flange

User to provide a flow signal (flow switch/flow meter)

The RZ300 series is based on a modular configuration which enables maximum flexibility and precision when sizing a system according to a client's needs.



A complete set of accessories is available from Atlantium: check with your distributor.

Regulatory Compliance

- Full EPA protocol third party validation from HydroQual
- FDA pasteurized equivalent water/water disinfection
- European Low Voltage Directive (LVD): 73/23/EEC (electrical safety)
- UL or CSA
- EC/99/93 (quality of water for human consumption)
- ISO 9001:2008 Quality Management
- US Federal Performance Standards 40 CFR 141.720
- 3rd party validated by HydroQual, Inc.
- GOST Standards Institute, Russian Federation
- National Institute of Public Health, Poland
- Resolucion exenta N° 2.327 del 31 de diciembre de 2010, en el marco de la Ley General de Pesca y Acuicultura



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