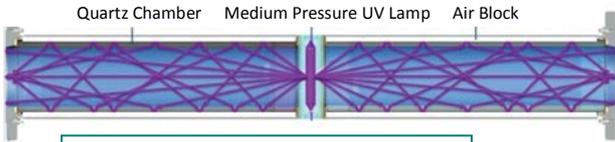


RZ-163 series

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!



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



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



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



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



Customized Control*

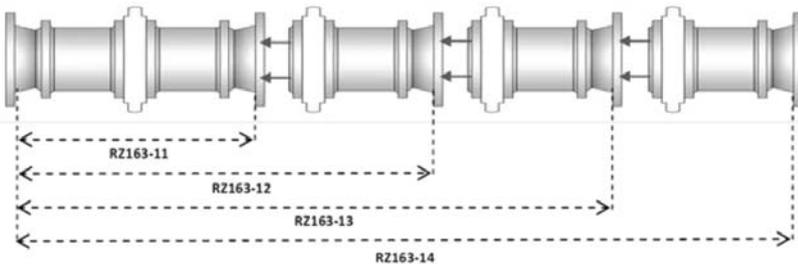
- User-friendly integration with plant controls
- Option for remote monitoring
- Alarm settings for general, UVT, dose out
- Touch-screen technology

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

Medium Pressure High Intensity UV Light	RZ163-11	RZ163-12	RZ163-13	RZ163-14
Lamps *	1	2	3	4
Max Power Consumption (lamp only)	1.7 kW	3.4 kW	5.1 kW	6.8 kW
Length of lamp (mm/inch)				
Unit Length (mm/inch) **	822 / 32.4	1175 / 46	1527 / 60.12	1880 / 74
Unit Weight (kg/lb)	57 / 125	85 / 187	125/276	134 / 295
Unit volume (liter/gallon)	17.5 / 4.6	25 / 6.6	35 / 9.2	40 / 10.5
Width at widest point (mm/inch)	435 / 17.13			
Required service clearance on sides (mm/inch)	750 / 29.53			
Minimum Height above floor (mm/inch)	750 / 29.53			
Standard pipe connection options	DIN2576 DN150 PIN16 ANSI B 16.5 4" 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	10 bars / 145 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			
Electricity requirements	400VAC 3 phases / 440VAC 3 phases / 480VAC 3 phases			

* Number of lamps determined by application **Flange to flange User to provide a flow signal (flow switch/flow meter)

The RZ163 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
- Reslucion exenta N° 2.327 del 31 de diciembre de 2010, en el marco de la Ley General de Pesca y Acuicultura



For more information, please contact your Atlantium representative.
sales@atlantium.com / info@atlantium.com www.atlantium.com

Atlantium Technologies Ltd.
 POB 11071, Israel 99100
 Tel: +972 2 992 5001. Fax: +972 2 992 5005

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