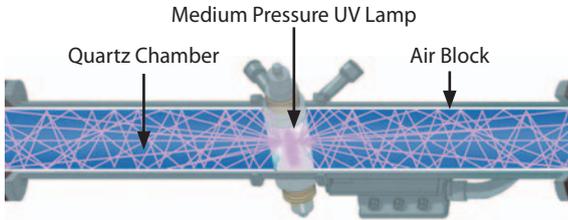


RZ-163 series

Engineered for Guaranteed Bio-Security and Reduced Energy Use



New Waterproof Ballast Model Costs Less

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

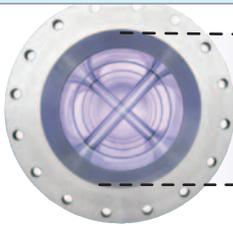


Recycles UV Photons, Lower Energy Costs

- Quartz treatment chamber engineered for longer UV light paths and optimal hydraulics
- Patented Hydro-Optic engineering uses fiber-optic principles
- All pathogens are exposed to a uniform UV dose – proven and validated!

New Cable Connection Box

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



Guaranteed Bio-Security: 2 Sensors per Lamp

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

Medium Pressure UV: Better Protection, Fewer Lamps

- Atlantium Medium Pressure high-intensity UV lamps more effective and cost-efficient
- More UV power per centimeter
- Disables DNA proteins involved in cell repair
- Effective in cold & warm water too



Real-Time Monitoring*

- Automatically adjusts UV dose to changes in real-time conditions
- Displays real-time data status, including the actual UV dose being delivered
- Tracks dose and validation parameters
- Continuous documentation for QA and regulators



Lamps Safer, Easier to Handle

- Shorter lamps reduce risk of breakage
- Quick & easy lamp replacement – four minutes
- Thick quartz tubes, 5x thicker than conventional quartz sleeves, separates the lamp from the water
- No possibility of broken glass and mercury in water



Customized Control*

- User-friendly integration with plant controls
- Option for remote monitoring
- Customized user setting for alarm values
- Touch-screen technology

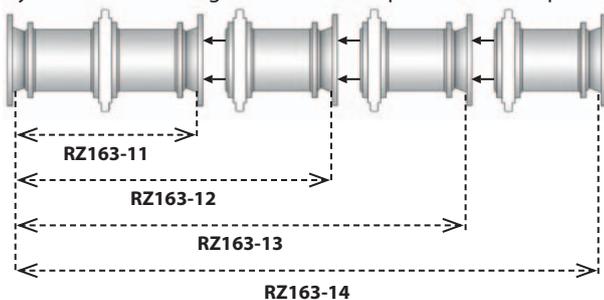
* Available also in stainless steel

* Basic version available with 2-color monitor

Medium Pressure High Intensity UV Systems	RZ163-11	RZ163-12	RZ163-13	RZ163-14
Number of 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)	322.8 / 12.71			
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
Unit chamber 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	Flange DIN2576 DN150 PN16 / Flange ANSI B 16.5 6" 150lb Tri-Clamp FERRULE DIN 32676 DN150			
Operating water temperature	0-60°C / 32-140°F			
Maintenance water temperature	0-90°C / 32-194°F			
Maximum ambient temperature	40°C / 104°F			
Maximum Flow Rate	Application dependent			
Maximum working pressure	10 bar / 145 PSI			
Disinfection chamber material	High grade fused silica (quartz)			
Housing material	Electro-polished stainless steel 316			
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 a modular configuration which enables maximum flexibility and precision based on client needs. Systems are sized to give the dose and performance required.



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

Regulatory Compliance

- EPA 4-log virus and 5-log microbial inactivation
- 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
- GOST Standards Institute, Russian Federation
- National Institute of Public Health, Poland
- Resolucion exenta No 2.327 del 31 de diciembre de 2010, en el marco de la Ley General de Pesca y Acuicultura



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