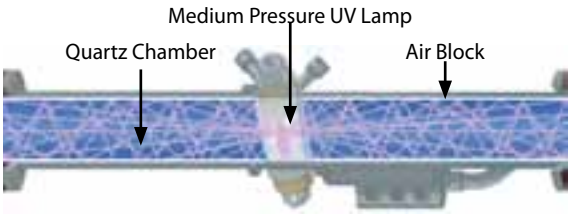
Atlantium
Illuminating Water Technologies

UV Water Treatment
Atlantium Hydro-Optic™ Solutions

RZB-300 series

Engineered for Guaranteed Bio-Security and Reduced Energy Use



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

New Waterproof Ballast Model Costs Less

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

Guaranteed Bio-Security: 2 Sensors per Lamp

- One sensor tracks lamp intensity **A**
- One sensor tracks UVT (water clarity) **B**

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

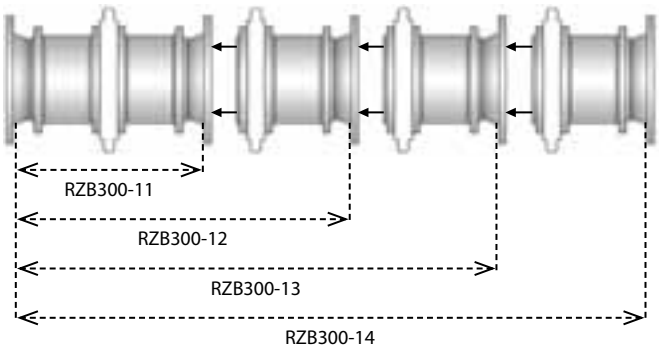
* Available also in stainless steel

* Basic version available with 2-color monitor

Medium Pressure High Intensity UV Systems	RZB300-11	RZB300-12	RZB300-13	RZB300-14
Number of lamps *	2	4	6	8
Max power consumption (lamp only)	8.4 kW	16.8 kW	25.2 kW	33.6 kW
Length of lamp (mm/inch)	417.8 / 16.4			
Unit length (mm/inch) **	835 / 32.9	1209 / 47.6	1582 / 62.3	1956 / 77
Unit weight (kg/lb)	178 / 392.5	226 / 498	272 / 600	340.6 / 751
Unit volume (liter/gallon)	69 / 18.2	83 / 22	105 / 27.7	128 / 33.8
Unit chamber width at widest point (mm/inch)	505 / 19.9			
Required service clearance on sides (mm/inch)	750 / 29.5			
Minimum Height above floor (mm/inch)	750 / 29.5			
Standard pipe connection options	Flange DIN2576 DN350 PN16° / Flange ANSI B 16.5 14" 150lb			
Operating water temperature	0-60°C / 32-140°F			
Hot sanitation/CIP water temperature	0-90°C / 32-194°F			
Maximum ambient temperature	40°C / 104°F			
Maximum Flow Rate ***	Application dependent			
Maximum working pressure	7 bar / 102 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 phase / 440VAC 3 phase / 480VAC 3 phase			

** Number of lamps determined by application* *** Flange to flange* **** Based on user-provided flow signal (flow switch/flow meter)*

The RZB300 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.



Optional: Deposit Prevention Mechanism (DPM) - sophisticated automatic cleaning system that keeps the quartz tubes deposit- free.

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

Atlantium
Illuminating Water Technologies

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

PB0012200

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