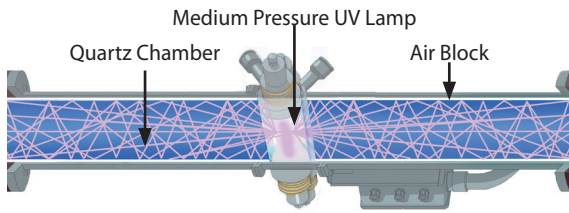


RZB-300 series

Engineered for Guaranteed Bio-Security and Reduced Energy Use



Recycles UV Photons, Lower Energy Costs

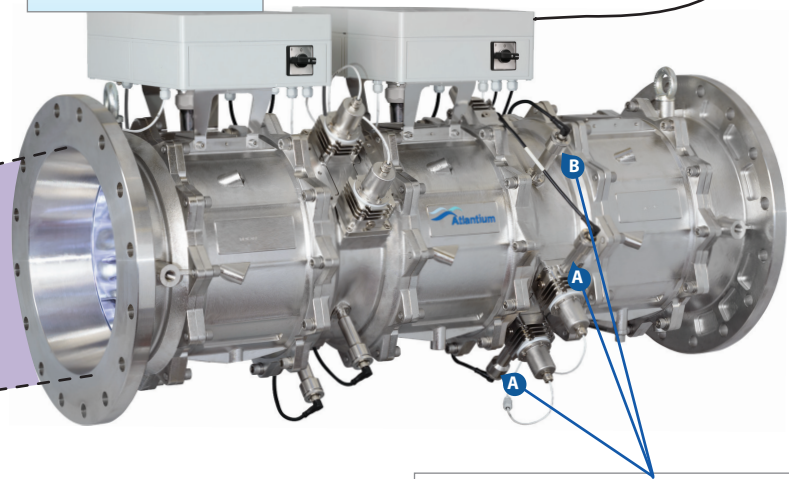
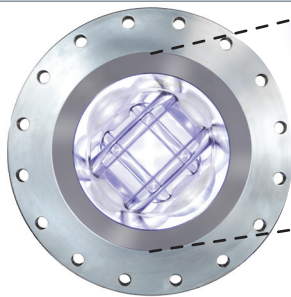
- Quartz treatment chamber engineered for longer UV light paths and optimal hydraulics
- Patented Hydro-Optic engineering uses fiber-optic principles
- All pathogens are exposed to a uniform UV dose – proven and validated!

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



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

Guaranteed Bio-Security: 2 Sensors per Lamp

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



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

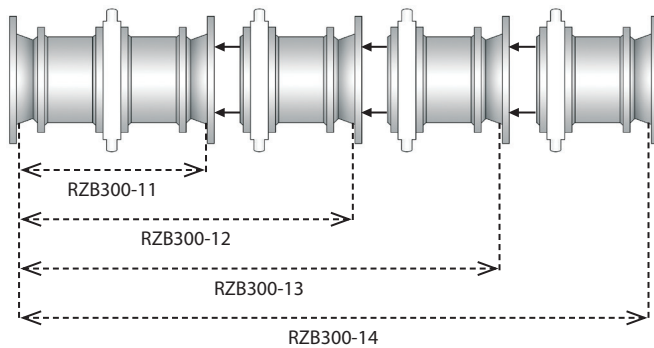
| Medium Pressure High Intensity UV Systems | RZB300-11 | RZB300-12 | RZB300-13 | RZB300-14 |
|---|---|-------------|-------------|-------------|
| Number of lamps * | 2 | 4 | 6 | 8 |
| Max power consumption (lamp only) | 8.4 kW | 16.8 kW | 25.2 kW | 33.6 kW |
| Length of lamp (mm/inch) | 417.8 / 16.4 | | | |
| 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

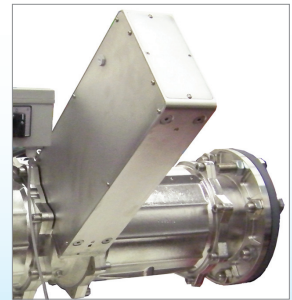
*** Based on user-provided flow signal (flow switch/flow meter)

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.



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