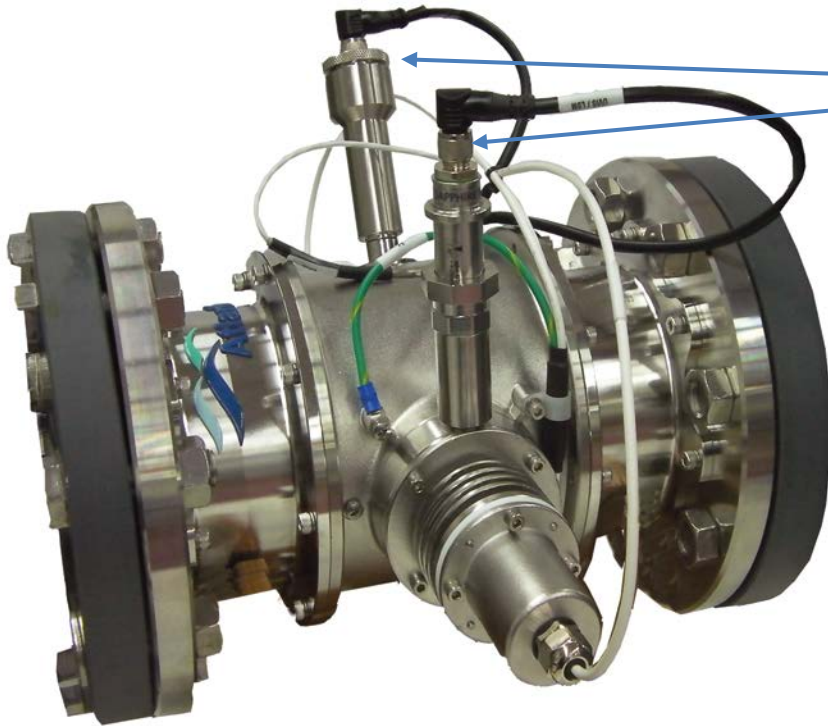


**Engineered for Guaranteed Bio-Security
and Reduced Energy Use**



**Guaranteed Bio-Security:
2 Sensors per Lamp**

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



Customized Control

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

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

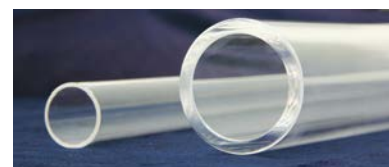


Medium Pressure UV: Better Protection, Fewer Lamps

- 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

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



Medium Pressure High Intensity UV systems	RS104
Number of lamps	1
Max Power Consumption (lamp only)	1.1 kW
Length of lamp (mm/inch)	262.8 / 10.35
Unit Length (mm/inch) *	287 / 11.3
Unit Weight (kg/lb)	22.4 / 49.4
Unit volume (liter/gallon)	2.29 / 0.52
Unit chamber width at widest point (mm/inch)	405 / 16
Required service clearance on sides (mm/inch)	320 / 12.6
Minimum Height above floor (mm/inch)	700 / 27.6
Standard pipe connection options	Flange DIN 2527 DN100 PN16 / Flange ANSI B 16.5 4" 150lb Tri-Clamp FERRULE DIN 32676 DN 100
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	Stainless steel 316
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

*Flange to flange User to provide a flow signal (flow switch/flow meter)

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

Regulatory Compliance

- 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



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