

CLEAR

POWERED BY ATLANTIUM

RZ163

Hydro-Optic Technology

Inline system

Low footprint, no head-loss, easy to integrate in your design

Single-lamp design

Less energy, less waste, less cost

2 UV sensors + flow sensor

Real-time true UV dose calculation

Electro-polished stainless steel

High quality materials for long lifespan

Real-time monitoring

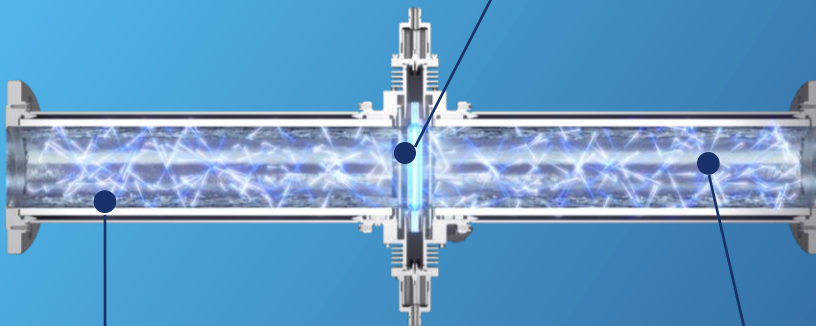
Clear monitors the system from our office to ensure performance



Pure Performance, Inside & Out

Powerful medium-pressure lamp

High level of purification even in large buildings



High-grade fused silica reactor

Uniquely designed quartz chamber optimizing photon capture

Total internal reflection

Fiber-optic technology reflects and recycles UV energy

Medium Pressure High Intensity UV Light RZ163-11

Lamps	1
Max Power Consumption (lamp only)	1.7 kW
Unit length (mm/inch)	822/32.34
Unit weight (kg/lb)	57/125
Unit volume (liter/gallon)	17.5/4.6
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 ANSIB 16.5 4" 150 lb
Operating water temperature	0-60°C/32-140°F
Maintenance water temperature	0-90°C/32-194°F
Maximum flow rate	Application Dependents
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 and control optional
Electricity requirements	400VAC 3 phases/440VAC 3 phases/480VAC 3 phases

Table 1: Log Inactivation of Relevant Microbial Risks with Clear UV

Pathogen	Log Inactivation at Target UV dose (120mJ/cm ²)	Percent Inactivation
<i>E. coli</i>	6	99.9999%
<i>Cryptosporidium</i>	6	99.9999%
<i>Giardia</i>	6	99.9999%
<i>Adenovirus</i>	5	99.999%
<i>Rotavirus</i>	5	99.999%
<i>Legionella</i>	6	99.9999%
<i>H. pylori</i>	6	99.9999%
<i>Faecal coliforms</i>	6	99.9999%
<i>Pseudomonas</i>	6	99.9999%
<i>Salmonella</i>	6	99.9999%
<i>M. avium</i>	6	99.9999%