

Automate UV treatment simply  
with the flow of water



Flow sensor package allows for the full benefits of LEDs with instant on/off and unlimited cycling



Utilizes small, state of the art UV-C LEDs to provide over 99.99% pathogen reduction<sup>1</sup> without the use of harmful chemicals or mercury-based UV lamps.

Advanced patented design featuring UVinaire® LED module. Highly configurable for easy product integration with continuous monitoring.

Full in-house optical, electrical, and mechanical design capabilities. ISO 9001:2015 certified manufacturing facility located in Kentucky, USA.

This PearlAqua Micro is Tested and Certified by NSF International against NSF/ANSI Standard 55 for materials and structural integrity requirements.



Component

FEATURES	
Mercury Free	Low Power Consumption
Automated Start/Stop	Unlimited On/Off Cycling
Instantaneous On	Thermal Monitoring
Consistent Performance Across Water Temperature Range	

SPECIFICATIONS			
<i>Specifications provided as a guide. Variations possible based on customer requirements.</i>			
Product Name		PearlAqua Micro	
Model Number		9C	12C
Max Flow <sup>1</sup> [lpm (gpm)]	UV Dose (mJ/cm <sup>2</sup> )	10	5.3 (1.4)
		16	On Request
		40	
Headloss at Max Flow [mbar (psi)]		407 (5.9)	917 (13)
Inlet/Outlet Water Connection		Male: 3/8", 1/2", or other	
Weight [g (oz)]		162 (5.7)	
Max Operating Pressure <sup>2</sup> [bar (psi)]		8.3 (120)	
Environmental Protection		IP68	
Lamp Life <sup>3</sup> [hours]		up to 10,000	
Max Ambient Temp [°C (°F)]		80 (176)	
Fluid Temperature [°C (°F)]		0-45 (32-113)	
Electrical Connection		4-Core Cable, 150 mm (6") length	
Input Voltage [V DC]		12	
Input Power <sup>3</sup> [W]		7 - 11	9 - 14

NOTES
<sup>1</sup> 3rd party bioassay tested with T1 Phage and MS-2 Phage at 98% UV-T with reference to 254 nm. Not verified or tested by NSF International
<sup>2</sup> 3rd party tested at 2.4x greater, 19.8 bar (288 psi) at temperature 19 °C (67 °F)
<sup>3</sup> Dependent on product configuration and application
Specifications subject to change

