



ArrowMAX™ HOME: WHOLE HOME UV-LED WATER TREATMENT SYSTEM

Key Features



Improves Water Quality

UV-LED technology kills up to 99.9999% of bacteria & viruses.



Maintenance-free

Very low maintenance requirements & operates on-demand for low power use.



Remote Monitoring

IoT capability to monitor the health & function of the system from a mobile app. (Available June 2022)



Low Power Consumption

40x more energy-efficient, power is used only when water is flowing.



No Mercury

Unlike UV-Lamps, our products don't contain mercury for a more environmentally-friendly option.

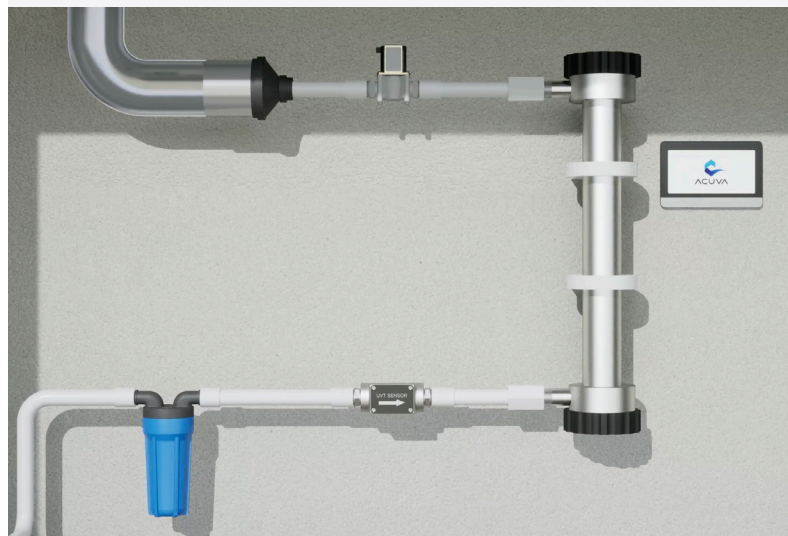


Powered by Acuva's IntenseBeam™ Technology

The Acuva UV-LED water treatment system will treat water as it enters the house before being dispensed from faucets, hoses, or shower heads without the use of any chemicals. Over the course of its life, it will require no maintenance apart from the replacement of the optional pre-filters.

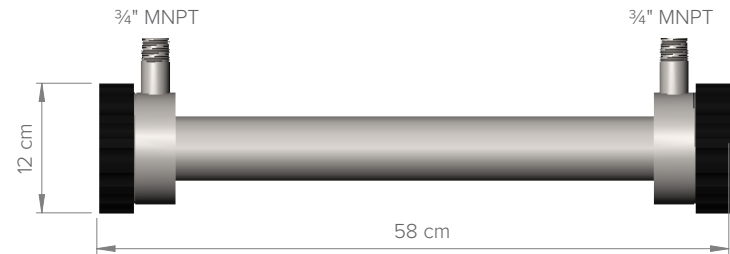
It features IoT capabilities, so you can monitor the health and function of the system remotely from a mobile app, with notifications when it's time to change your pre-filter and other important system information.

The system operates only when water is flowing, reducing power consumption by 90% compared to traditional UV lamp-based systems.



POINT-OF-ENTRY: UV-LED WATER PURIFICATION SYSTEM

Pending NSF 55 Class 'B' certification



Recommended Operating Conditions

	Unit	Minimum	Typical	Maximum	Notes
UV Transmittance of Water	%/cm	-	95	-	UVC Range
Water Flow Rate	L/min	-	32	75	
Max. Working Pressure	psi	-	-	100	
Water Temperature	°C	Above Freezing	20	40	

Electrical Characteristics

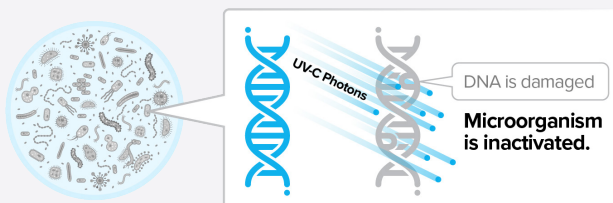
	Unit	Minimum	Typical	Maximum	Notes
Input Voltage (AC)	V	100	-	240	
Power Consumption (operation)	W	-	90	95	
Power Consumption (standby)	W	-	1	-	

Absolute Maximum Ratings

	Unit	Rating	Notes
Ambient Temperature	°C	-25 to 50	Operating water temperature is above freezing to 40°C
Storage Temperature	°C	-25 to 85	
Electrostatic Discharge (DST)	KV	2.0 (HBM)	

How UV-LED Disinfection Works

When water with harmful microbial pathogens enters the UV-LED chamber, the UV radiation sterilizes the pathogens by disrupting their DNA. High energy UV-C photons inactivate any microorganism present in the water, making them unable to infect or multiply.



Why Acuva™?

Acuva™ is a world leader in UV-LED technology and designs innovative products for water treatment and surface disinfection. Our patented, state-of-the-art products are designed and manufactured in Canada. Acuva™ designs products that integrate the most advanced and compact technology, allowing for energy-efficiency and ultra-low maintenance. We strive to make a positive social impact with our technology, especially now when safety from microbiological contamination has never been more important.