



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

### Key Features



#### Improves Water Quality

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



#### Low Maintenance

Very low maintenance requirements and operates on-demand –only when water is flowing.



#### Wifi Remote Monitoring

Wifi enabled to monitor the health & function of the system from a mobile app.



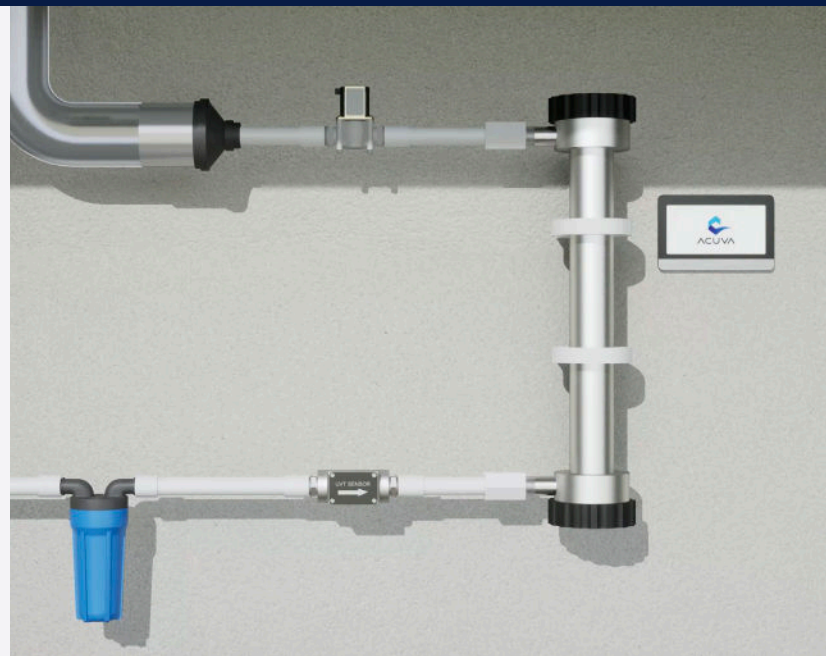
#### Chemical-Free

Unlike UV-Lamps, our products don't contain mercury, eliminating contamination risks.

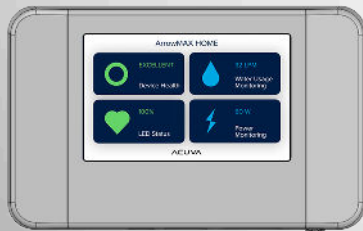
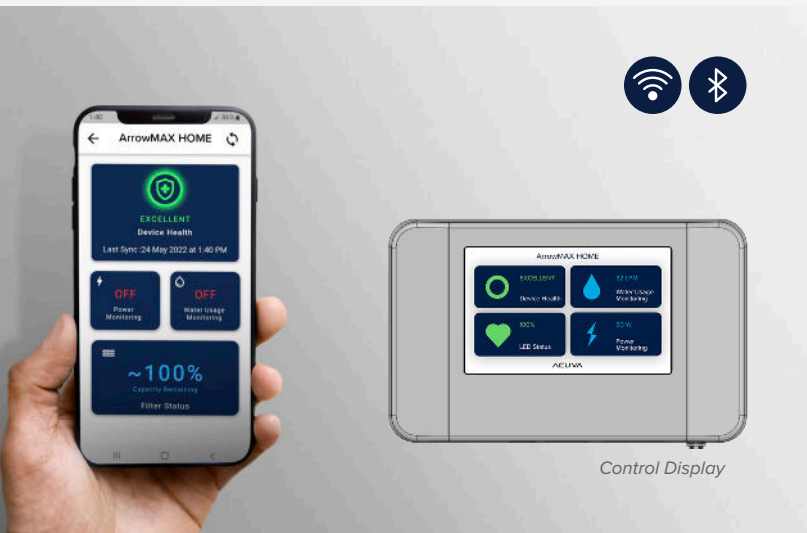


#### Low Power Consumption

90% less power used than equivalent UV-lamp water treatment systems.



 *Designed and Manufactured in Canada*



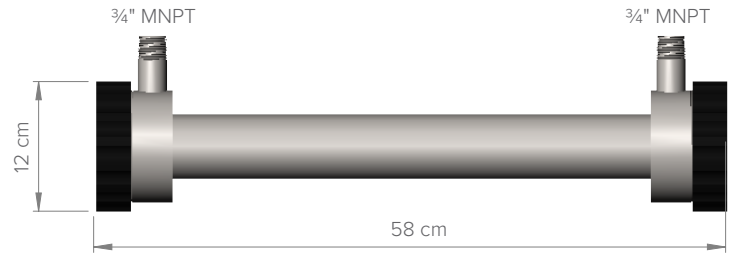
Control Display

The ACUVA ArrowMAX™ HOME is Bluetooth and WiFi-enabled. A matrix of sensors in the ArrowMAX HOME system will monitor LED health, water flow, power consumption and filter lifetime.

- Bluetooth and WiFi connectivity enables the system to seamlessly transfer data to the cloud.
- The system can store data even if there is no internet, and when reconnected it synchronizes to provide the most up-to-date data remotely.
- The mobile app allows the user to monitor the system's health, communicate with technical help, and even purchase accessories if needed.
- The app notifies the user when filter replacement is needed, or if the UV-LED is not working.

# POINT-OF-ENTRY: UV-LED WATER TREATMENT SYSTEM

Pending NSF 55 Class 'B' certification :  
flow rate up to 8.5 GPM



## Recommended Operating Conditions

	Unit	Minimum	Typical	Maximum	Notes
UV Transmittance of Water	%/cm	-	95	-	UVC Range
Water Flow Rate (30/16 mJ/cm <sup>2</sup> )	L/min	-	32	75	
Max. Working Pressure	psi	-	-	100	
Water Temperature	°C	Above Freezing	20	40	

## Electrical Characteristics

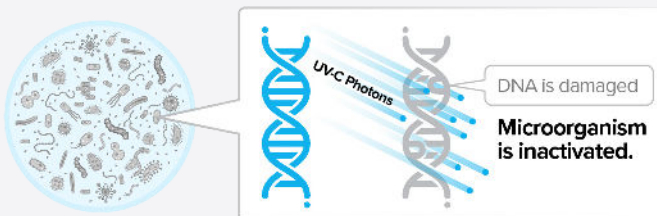
	Unit	Minimum	Typical	Maximum	Notes
Input Voltage (AC)	V	100	-	240	
Power Consumption (operation)	W	-	90	95	
Power Consumption (standby)	W	-	1	-	

## 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.



## How ArrowMAX™ HOME Works

The ArrowMAX™ HOME water treatment system treats water entering the house before flowing from faucets, hoses, or showerheads without the use of any chemicals. Water passes through a pre-filter that removes particles and contaminants. Then, water is purified by Acuva's UV-LED technology, removing up to 99.9999% of bacteria and viruses. The system requires no maintenance apart from the replacement of pre-filters. It operates only when water is flowing, reducing power consumption by 90% compared to traditional systems.