

UVC LED Technology

Acuva ArrowMAX™ Home 10K

Smart Whole House Water Disinfection System

The Acuva ArrowMAX™ Home 10K is a UVC LED water disinfection system designed for reliable performance and easy home integration. It offers worry-free, microbially safe water with minimal maintenance.

Pure Water, Instantly

The ArrowMAX™ Home 10K system ensures microbially safe water through advanced UVC LED technology, providing reliable disinfection.

Minimal Maintenance

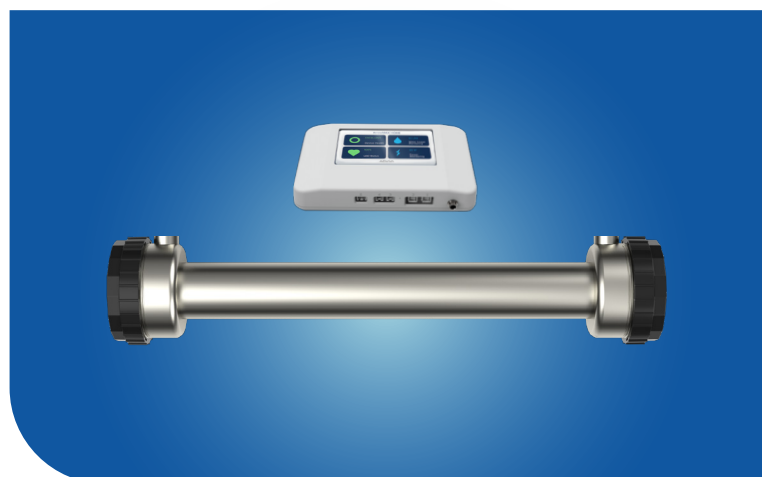
Engineered for efficient performance, this system minimizes maintenance requirements. Its on-demand operation, activated by water flow, extends the system's lifespan and optimizes power consumption.

Remote Monitoring

Stay informed about your water disinfection system's performance with convenient mobile monitoring. The integrated WiFi connectivity allows you to effortlessly track system status and ensure optimal operation from your smartphone or tablet.

IntenseBeam™ Technology

Acuva's IntenseBeam™ UVC LED technology leverages advanced optical engineering and patented direct cooling to maximize disinfection efficacy. By precisely directing UVC output where it's most needed, it eliminates bulky heat sinks and moving parts, streamlining both installation and maintenance. On-demand operation further optimizes energy use, helping extend system life while ensuring consistent, high-performance water treatment.

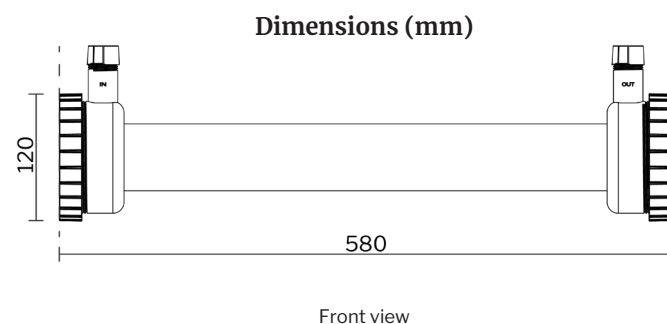


Energy-Efficient

The ArrowMAX™ Home 10K is built for energy efficiency, lowering energy costs and contributing to a smaller environmental footprint. When water is not flowing, the system automatically switches to a low-power standby mode to conserve energy.

Advantages of UVC LED Technology

- **Mercury-Free:** UVC LEDs are mercury-free, making them safer for the environment.
- **Simple Handling:** UVC LEDs are user-friendly throughout their lifespan, including disposal and maintenance.
- **Durable:** Unlike traditional UV bulbs, UVC LEDs have no fragile quartz sleeves, minimizing breakage and increasing durability.
- **Long Lifespan:** UVC LEDs offer a longer operational life, reducing operational costs.



SPECIFICATION

ArrowMAX™ Home 10K UVC LED Water Disinfection System



Model	ArrowMAX™ Home 10K
Release Date	Available now
Article Number	600-3125
Flow Sensor for automatic and instant start	Yes
Intense Beam™ Technology	Yes
Regulatory	RoHS, REACH, CE and NSF Class B Certified

DETAILED TECHNICAL DATA

Dimensions (HxW)	120 mm x 580 mm
Connection size and type	Inlet: 3/4" FNPT Outlet: 3/4" MNPT
Weight	4,8 kg
IP rating	IP21

Electrical Characteristics

Input rating	100–240 VAC
Power consumption	40W <4W in standby mode
UVC LED lifespan	10 000 active hours

Performance

16 mJ/cm² @ 95% UVT	40 l/min
30 mJ/cm² @ 95% UVT	23 l/min
Max. flow rate	60 l/min

Operating Conditions

Water temperature	1–40°C
Ambient temperature	1–50°C
Max. water pressure	7 bar
Pressure drop @ max. flow rate	<0,4 bar