

The AQUA UV System is ideal for Residential / Commercial applications with flow requirements up to 52LPM. UV Treatment is safe and highly effective and does not change the taste, colour or odour of water and it simply removes the risk of illness caused by microbial contamination, making water safe.\*



## AQUA UV SYSTEM - 3 STAGE 52LPM BIG



### 1st & 2nd Stage: Sediment Filtration

Coarse/Fine Filtration includes dual grade depth cartridges for reduction of very fine particles and more importantly, reduction of Giardia and Cryptosporidium cysts.

### 3rd Stage: UV Chamber

Disinfection to prevent illness from disease causing micro-organisms

### UV Controller

- + Constant current electronic controller (one controller for all systems) is in a splash-proof case.
- + A colour user interface allows for easy visual identification of remaining lamp life and any fault codes or errors such as diagnostics, status, warnings, and QR codes for a link back to Aqua Synergy Group's website.



AUV-STD

### PRODUCT CODE

WHAUVH-B3M

### FEATURES & BENEFITS

- + Modular design makes upgrading easy and keeps your unit future proof
- + Easy lamp changes, the single end design means that there is no need to drain the UV Chamber
- + Glow Plug included so it is easy to see if your lamp is working and you can upgrade to a sensor in the future by simply swapping the Glow Plug for a Sensor
- + Reliable Lamp - industry proven to give a consistent output, keeping you safe all the way to the end of the lamp life
- + Designed and manufactured to ASME pressure vessel standards for your peace of mind



WaterMark Certified\*\*



UV Output Screen



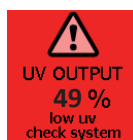
Home Screen



Lamp Life Remaining Screen



Lamp Expiration Screen



Low UV Warning Screen



Unsafe Water Screen



QR Code Screen



Lamp Failure Screen

- + Cost effective
- + Safe technology
- + No chemicals required
- + Easy installation (When using a specialist)
- + Treats every tap in the line
- + 100% peace of mind

### IMPORTANT

Standard domestic UV dose is 30mJ/cm<sup>2</sup>. It is strongly recommended that the flow rate given at this dose is not exceeded when this product is used for disinfection of pathogens.

\*When sized and maintained correctly

\*\*Watermark is a Certification for ensuring that plumbing and draining products are fit for purpose and authorised for use in plumbing and drainage installations

## OPTIONAL EQUIPMENT MODULES

### UV Concierge

Available for WEB, IOS, and Android platforms providing live, dynamic feedback on all features and functions of your UV system.



### SHERPA Series Water Quality Monitor

Installs on LUMINOR LB5/LBH5 rack mounted UV systems and allows for remote monitoring of all major and minor alarms that take place on the main UV system. Three LED's visually display system functionality from up to 46M away.



### UV Sensor Module

Allows the 254nm UV wavelength to be measured and displayed via the controller. The sensor plugs directly into the controller and is mounted in the sensor port located on all Aqua UV POE chambers. Order AUVS-3.5.



### Solenoid Module

Used to power a remote normally closed solenoid valve (not included). Solenoid will close on lamp failure or when low UV conditions are detected by the sensor.



### TRV (Temperature Management Relief Valve)

TRV allows for a small amount of water to be physically released (dumped) from the UV unit to allow for cooling of the water. Used in applications of extended "no flow" conditions, or when the temperature of the treated water is of a critical nature.



### Cooling Fan

To reduce water temperature inside the reactor through mechanics and convection without wasting any water. Runs independently and continuously. Comes with a compact modular power adapter with interchangeable AC clips that operates from 90-264V (47-63Hz).



### 4-20mA Module

Used for signal transfer to a remote device such as a data logger or computer.



### Remote Alarm (Dry Contact) Module

Used for signal transfer to a remote alarm or dry contacts.



## APPLICATION/SIZING

For help with sizing please contact Aqua (email or phone)

UV LIGHT SPECIFICATIONS	
MODEL	AUVH-52 (WHAUVH-B3M System)
Description	High Output
Flow Rate (@16 mJ/cm <sup>2</sup> )	100 lpm
Flow Rate (@30 mJ/cm <sup>2</sup> )*	53 lpm
Flow Rate (@40 mJ/cm <sup>2</sup> )	41 lpm
Port Size	1" MNPT
Electrical	90-265V / 50-60Hz
Lamp Watts	45
Power (watts)	57
Chamber Material	316L Stainless Steel, A249 Pressure Rated Tubing, Polished & Passivated
Replacement Lamp	AUVL-434HO
Replacement Sleeve	AUVQ-466 (UV Quartz Sleeve Domed 22.5 x 20 x 466mm)
Chamber Dimensions	8.9 x 50.8 cm (3.5 x 20.0")
Controller Dimensions	217.4 x 107.5 x 88.7 mm (8.6 x 4.2 x 3.5")
Maximum Operating Pressure	150 psi (10.3 bar)
Operating Temperature Range	2-40°C (36-104°F)
UV Monitor	Upgradeable, includes visual glow plug
Dry Contacts (solenoid ready)	Optional
4-20 mA Output	Optional
Lamp Age Counter	Yes
Lamp-Out Indicator (audible & visual)	Yes
Shipping Weight	6.0 kg (13.2 lbs)

\*Flow rates stated at 95% UVT.

Recommended UV dose for domestic use is 30mJ/cm<sup>2</sup>.

SERVICING		
DESCRIPTION	PART #	SERVICE FREQUENCY
Coarse Sediment Filter	PSB-7525	6-12 mthly/when pressure loss reaches 15psi
Fine Sediment Filter	PSB-2501	6-12 mthly/when pressure loss reaches 15psi
UV Lamp	AUVL-434HO	Annually
UV Quartz Sleeve	AUVQ-466	Replace when damaged. Clean regularly

## MANUFACTURER'S WARRANTY

PART	WARRANTY
Reactors	10 Year Limited Warranty
Electronics	3 Year Limited Warranty
UV Lamps	1 Year Limited Warranty
Quartz Sleeves	1 Year Limited Warranty



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