

## WHOLE HOUSE AQUA UV “PLUG & PLAY” SYSTEMS

A comprehensive ‘plug and play’ UV system, offering a full range of pumps to meet your requirements, all encased in a weatherproof bin for quick and hassle-free installation.



### 1ST & 2ND STAGE: SEDIMENT FILTRATION

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

### OPTIONAL: CARBON FILTER

- Carbon Filter removing chlorine, asbestos, chemicals, and unwanted taste and odours from your water

### 3RD STAGE: UV STERILISATION

- UV Sterilisation to ensure the destruction of 99% of bacteria and viruses, including E-coli and Giardia.
- Not only is it safe and highly effective, UV does not change the taste, colour, or odour of water. It simply removes the risk of illness caused by microbial contamination, making water safe.

### OPTIONAL: PUMP

- Choose from a full range of pumps



### 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.
- Sample Screen Shots:



UV Output Screen



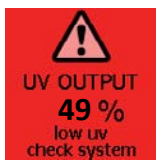
Home Screen



Lamp Life Remaining Screen



Lamp Expiration Screen



Low UV Warning Screen



Unsafe Water Screen



QR Code Screen



Lamp Failure Screen

### BENEFITS

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

### APPLICATION/SIZING

- Suits Whole House/multiple dwellings, and small/large commercial requirements



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## UV FEATURES

- A premium UV system with many features, the Aqua UV System is truly different from everything else in the market.
- UV technology is proven to control microbiological (bacteria & virus) issues in water including E.coli, Cryptosporidium and Giardia lamblia. If you are unsure of the microbiological quality of your water source and is looking for additional security from your town water, then look no further.
- The Aqua UV is modular in its design, it allows easy upgradeability in the future.
- Axial flow, 316L stainless steel chamber, polished chambers with integral sensor port to allow for sensor upgradeability in the future (comes standard with visual glow plug).
- The single-end design allows for lamp change without the need to drain the chamber.
- True gland seal retaining nut with positive stop.
- User friendly bayonet style lamp connector (quick 1/4 turn removal with no extra tools needed)
- Reliable, industry proven, high quality low pressure (LP) coated UV lamps with ceramic bases are used for durability, offering a consistent output, a 10,000 hour life.
- Designed & manufactured to ASME pressure vessel standards
- Flow rates stated at 95% UVT at a dose of 30mJ/cm2

## UV SENSOR MODULE (OPTIONAL UPGRADE)



- 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-2.5 for 22 & 38 lpm (6 & 10 gpm) systems and AUVS-3.5 for 75 lpm (20 gpm) systems.

## COVER FEATURES

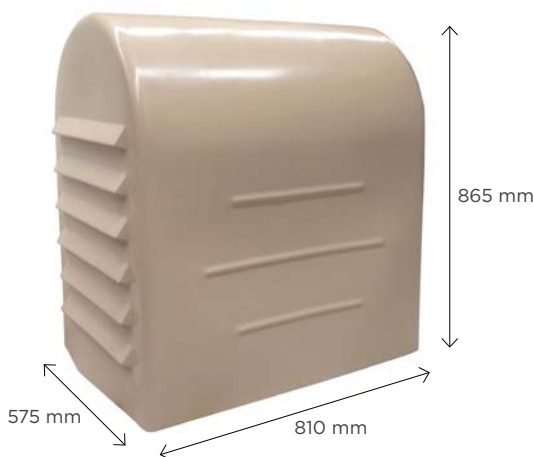
Each cover comes with a DIY mounting base for your pump that the cover slides over.

- Well vented to prevent pump overheating
- Easy to install in most environments
- Optional concrete slab base

## PRODUCT CODE

WHAUVH-J3C  
 WHAUVH-J3PC  
 WHAUVHC-J3C  
 WHAUVHC-J3PC

## MEASUREMENTS



## UV LIGHT SPECIFICATION

UV Model	AUVH-52
Description	High Output
Flow Rate (@16 mJ/cm <sup>2</sup> )	100 lpm (27 gpm)
Flow Rate (@30 mJ/cm <sup>2</sup> )	53 lpm (14 gpm)
Flow Rate (@40 mJ/cm <sup>2</sup> )	53 lpm (11 gpm)
Port Size	1" MNPT
Electrical	110-220V / 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
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 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)



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