

UV Extreme Whole House Water Filtration System

Product Code: SYS-202-UV-WAWF



**WARNING: For correct operation & installation, it is essential to observe these instructions**

## UV EXTREME WHOLE HOUSE WATER FILTRATION SYSTEM



**Important Notice:** Please remember to document your service schedule on page 25 of this booklet for easy reference and maintenance tracking. Your diligent record-keeping ensures timely and efficient maintenance, guaranteeing the longevity and optimal performance of your filtration system.

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## INSTALLATION AND OPERATION MANUAL

### AQUACO CUSTOMER SERVICE

Thank you for purchasing an AquaCo Whole House Water Filtration System. Your system is a proven performer manufactured from only quality materials and components and will give years of 'spring fresh' water free of impurities if maintained properly.

Caution: Do not use with water that is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system.

The system is designed for mains (SYS-202-UV-WAWF) supply but can be used in other situations. For other types of water supply please contact your local AquaCo stockist or call our AquaCo Customer Service Helpline.

The AquaCo filter systems cartridges need replacing regularly to maintain optimum performance. This is a simple procedure when following instructions. For cartridge replacements contact your nearest AquaCo stockist.

Customer Service Helpline 1300 70 1300 (Australia).

### GUIDELINES AND WARNINGS

- Where line pressure exceeds 520 kPa (75 psi), a pressure limiting valve must be installed. Protect the housing from water hammer.
- Use on cold water line only (with water up to 52°C). For installation over 52°C please enquire as to a suitable housing. Protect the housing from freezing.
- Avoid installing in direct sunlight.
- **Use PTFE thread seal tape on all connections. Use of pipe/thread sealants will void warranty.**
- Do not overtighten. Too much tape or over tightening may cause head to split.
- For point of entry installations an approved dual check backflow prevention device must be fitted in accordance with national plumbing product codes.
- Do not use with water that is microbiologically unsafe or with water of unknown quality without adequate disinfection.
- This product must be installed in accordance with local plumbing regulations by a licensed plumber.

**Installation Note:** A water filter system/tap, like any product, has a limited life and may eventually fail. Also, sometimes failure happens early due to unforeseen circumstances. To avoid possible property damage, this product should be regularly examined for leakage and/or deterioration and replaced when necessary. A drain pan, plumbed to an appropriate drain or outfitted with a leak detector, should be used in those applications where any leakage could cause property damage, and/or the water supply should be turned off if no one is home/present.

**INSTALLATION MUST BE COMPLETED BY A LICENCED PLUMBER. FAULTY OPERATION DUE TO UNQUALIFIED TRADESPEOPLE WILL RESULT IN VOIDED WARRANTY COVERAGE.**

## INSTALLATION

### BEFORE INSTALLATION

#### PROFESSIONAL INSTALLATION REQUIRED

Installation requires shutting water off to home, cutting home water supply pipe and using a welding torch to add piping and fittings. Specialized tools and skills are required. Not a do-it-yourself type of project.

#### POSITIONING YOUR FILTRATION SYSTEM

Choose a location where any water spillage will not cause damage. Make sure mounting position is solid so that the filter housing stays in position when changing filters. An isolation valve may be installed immediately prior to the filter to isolate the filter for changing the cartridge.

#### INSTALL PRE-FILTRATION SYSTEM

1. Isolate water supply and relieve pressure by opening a downstream tap.
2. Cut pipe to suit length of required valve and housing installation.
3. Use approved brass, galv/poly plumbing fittings to suit existing pipework. The female threads on the housing will receive tapered male threads. Thread into housing head carefully as too much tape or overtightening may cause it to split.  
**Warning: Use PTFE thread seal tape on all connections. Use of pipe/thread sealants will void warranty.**
4. If using sweated fittings, allow enough time to cool before connecting to the housing.
5. Securely fix wall mount bracket/frame and pipework with suitable clips. Allow 150mm clearance on the sides and below the system for maintenance and services.
6. Flush debris from pipework.
7. Install filter cartridges as follow:
  - a. Remove housing sumps (casings) by unscrewing from system.
  - b. Take cut both the sediment filter and carbon filter and remove plastic wrapping.
  - c. Re insert into housing sump (casings), sediment first then carbon in second housing and screw back into place. Ensuring the filters are located on the bottom inserts in the housing sumps.
  - d. Use the included spanner to just nip up the housing sumps. hand tight is generally sufficient.

#### UV OPERATIONAL REQUIREMENTS

The UV System requires a minimum water quality for effective disinfection. If the raw water supply does not meet the following minimum requirements, then pre-treatment must be considered.

- Turbidity (Suspended Solids): < 1 NTU (5 Micron Filtration Recommended)
- Recommend Ambient & Water temperature: 2°C - 40°C (35F - 104F)
- Maximum Recommended Operating Pressure: 690kPa (100psi)
- Power Requirement: 240V AC, 10amp
- Chloride (Cl): < 250mg/L
- Hardness (CaCo3): < 120mg/L
- Iron (Fe): < 0.3 mg/L
- Manganese (Mn): < 0.05mg/L

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**Notes:**

1. Do not allow water in the filter system to freeze.
2. The system installation is to comply with all applicable Australian State and Local regulations. Installation by a licensed plumber is advised.
3. **DO NOT** turn on the Ultraviolet light unless it is installed in the chamber. **DO NOT** look directly at the lamp when turned on, Ultraviolet rays are **HARMFUL to EYES & Skin.**
4. A minimum recommendation of 5 micron or less sediment pre-filtration must be used. (1 micron included)
5. The UV whole house system should be installed as close to the point of entry as possible.
6. Prior to using the UV system, disinfection of the entire plumber system after UV is recommended.
7. As there may be extended periods of time with no water flow, possible over-heating within the chamber and lamp may occur. If this becomes a concern, then a thermal relief valve is available. (Contact UV supplier)
8. Use UV stable fittings/connections.

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#### DISINFECTION CLEANING INFORMATION

Disinfection and cleaning of the existing pipework is recommended to ensure the water system and UV work effectively.

Before installing the filters and UV lamp, add a small amount of chlorine solution into one of the housing sumps (casings), turn the water on and run to flush the system for 5-10 minutes prior to use. Leave chlorinated water in pipelines for approx. 30 minutes to thoroughly clean the pipelines.

Once lines are flushed properly. shut off water, depressurise system and then add the filters. The sediment filtering in the first housing (next to the inlet) and Carbon filter (next to the outlet) in second housing.

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#### SYSTEM INSTALLATION STEPS

Once the system has been positioned in the correct location, as per instruction on pages 4 and 5. Please follow the more detailed instructions as below:

Do not overtighten the housing sumps (casings)

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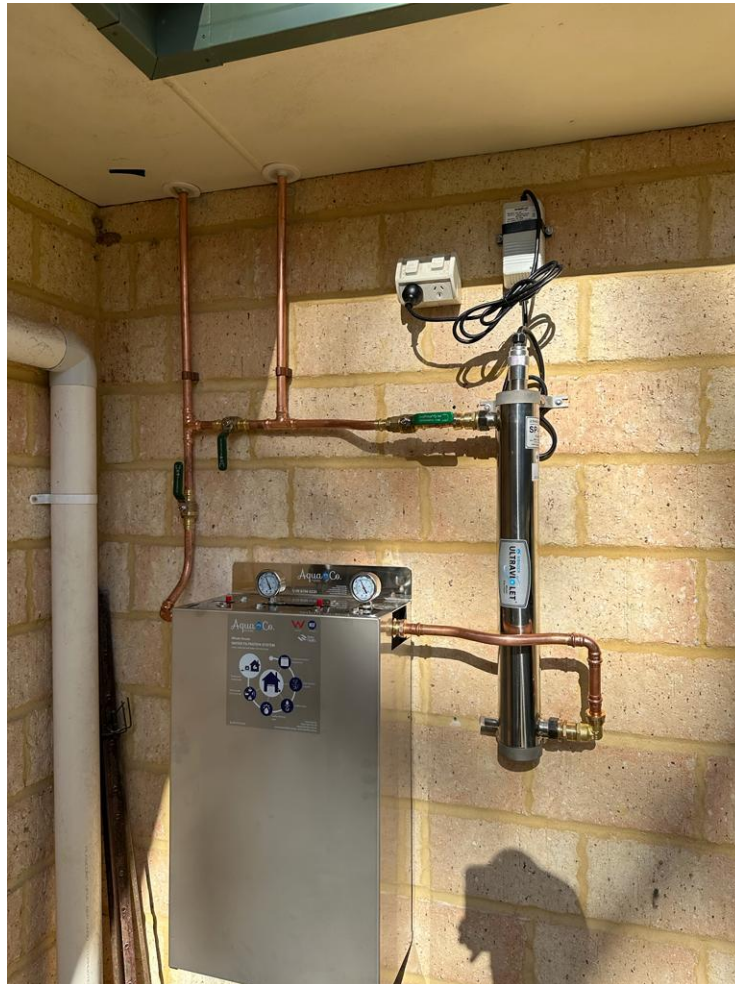
#### GENERAL UV INSTALLATION INFORMATION

The standard waterproof ballast (SWB) is IP65 rated and can be installed outdoors. The digital UVT reset ballast is IP55 Waterproof rated and should be installed under cover as protection from UV sun rays.

**Incorrect Installation and Operation will void the warranty.**

1. Install the UV system in a readily accessible and well-lit location to facilitate inspection and maintenance. (Allow for enough space above (approximately 1000mm) to insert and remove the lamp and thimble.
2. Inspect for hidden electrical wiring and/or plumbing prior to drilling the holes for mounting the UV system.
3. Mount the UV system in the desired location.
4. Connect the plumbing according to requirements
5. It is recommended to use isolation valves and unions on the inlet/outlet ports to shut off the water supply.

TYPICAL INSTALLATION



UV ASSEMBLY

The two-piece aluminum nut shown below is for sealing the Quartz thimble and connecting the UV Lamp lead. The Lamp Lead is supplied with an Aluminium Earth Connection Plug and Gland. This is retained and sealed in the main sealing nut with an O-Ring and locking screw.

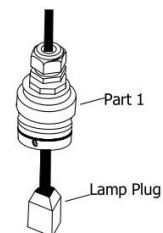
The wiring and two-piece plug will be ready assembled

Part 1. Of the aluminium nut is sealed by an O'ring into part 2: of the nut as shown.

Simply pull-out part 1 from part 2 of the aluminum nut.

Note// the "part 1" will have the UV lamp plug attached.

Unscrew part 2 of the nut from the UV chamber

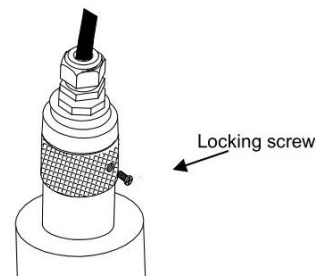
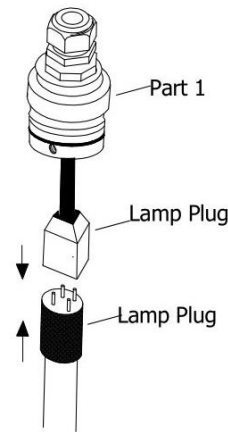
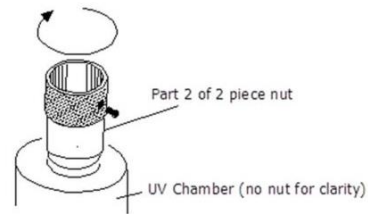
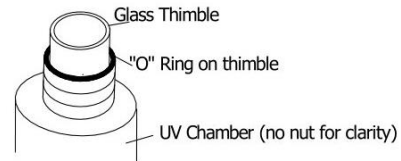


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**Note: Touching the lamp or thimble with bare hands will leave finger marks on the highly polished glass, (interfering with the lamp effectiveness), where possible use lint free cotton gloves or a clean micro fibre cloth during the installation of lamp & thimble.**

**Be careful when removing or replacing the lamp and quartz thimble, as they are very fragile and easily damaged.**

- A. Carefully insert the quartz thimble into the chamber making sure it is centred in bottom of chamber. Then slide the O'ring onto the thimble as shown. sparingly lubricate the O" ring.
- B. Screw on the Aluminum Nut (part2) to seal the quartz thimble hand tight only. **DO NOT OVER TIGHTEN** as breakage will occur and void warranty.
- C. Once the Aluminium nut has been screwed down firmly, tum on the inlet water supply slowly to expel all the air inside the chamber. When the chamber is fully pressurised check for any/leaks. (Repair if necessary)
- D. Make sure that there is **NO** water in the quartz thimble.  
If there is water in the thimble you run the risk of damaging the lamp and ballast, which will void the warranty.
- E. Open the lamp protector sleeve at the pin terminal end, it is recommended to temporarily leave the lamp within most of its protective packing sleeve.  
Slide the lamp out so that the white plastic end is just within the packing sleeve and firmly holding the lamp then carefully push on fully the Multi Pin Plug Socket, making sure, it is pushed on all the way onto the pins.  
Remove the Lamp fully from the packing sleeve
- F. Sparingly lubricate the O'ring, then very carefully pass the lamp through the hole in the end connecting nut part 2 until the lamp socket is within the sealing out.  
Then push the gland cable/aluminium plug into the sealing nut and tighten the locking screw.
- G. Plug the Ballast into an approved electrical outlet. (240V, 10amp). It is strongly recommended using good quality surge protector.



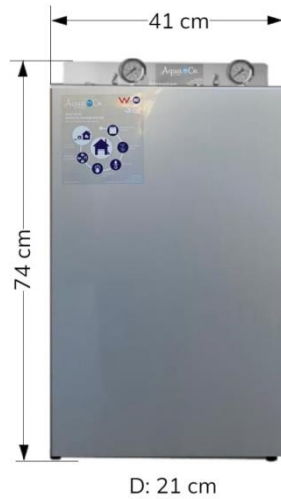
MODELS PARTS LIST

		SP-133H	SP-165H
	Description	Part No.	Part No.
	Internal Earth Aluminium Nut (2 Piece)	UVA100901F	UVA100901F
	UV Lamp	UVAT533HO (33 Watts High Output)	UVAT565HO (65 Watts High Output)
	Quartz thimble O-Ring	UVAORD245	UVAORD245V
	Quartz thimble	UVAQT245680	UVAQT245680
	Stainless steel UV Chamber 1" (25mm Ports)		
	Optional Stainless Steel Outdoor Cover		
	Standard Ballast (IP65 rated)	UVABUV66	UVABUV66
	Optional UVT Digital Reset Control	UVAODP14	UVAODP14
	Optical Insp.Drain Plug-"O-Ring (Not Shown)	UVAODPOR14	UVAODPOR14
	20" x 4.5" Housing Sump	HOU-20SUMP	HOU-20SUMP
	Triple Gradient Sediment Filter	PP-2045-5-WAWF	PP-2045-5-WAWF
	Carbon Block Filter	CB-2045-5-WAWF	CB-2045-5-WAWF
	S/S Flexi Hose 600mm with 1" (25mm) BSP Fittings	WAFH600	WAFH600
	Thermal Relief Valve	UVATRVB14	UVATRVB14
	Dry contact cable for UVT control (option)(1 mtr) (not shown)	UVADCC	UVADCC
	O' Ring for Housing Sump	ORG-WH	ORG-WH
	Spanner for Loosen/Tighten Housing Sump	SPR-WH	SPR-WH

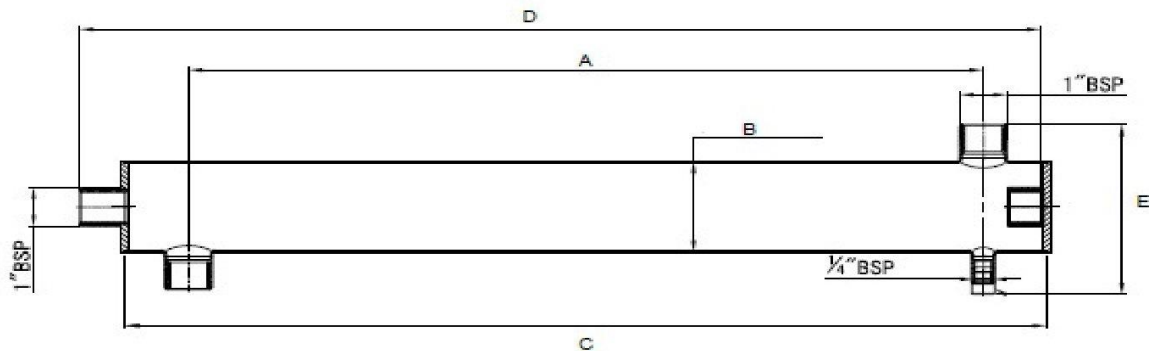


**DIMENSIONS**

SYSTEM DIMENSIONS



UV LIGHT DIMENSIONS



Model	A	B	C	D	E	Standard Inlet & Outlet Size
UVSP-133Z	554	63.5	640	675	129.5	25mm (1")
UVSP-165Z	554	76.2	640	675	142.2	25mm (1")

## STANDARD WATER PROOF BALLAST OPERATION

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Standard waterproof ballast operation:

When the ballast is plugged in and switched on, the LED indicates different Colours:

1. When the indicator light is green, it signifies that the lamp is powered and functioning properly.
2. If the indicator light turns red, it indicates a lamp failure. This will trigger an audible alarm, signalling that the lamp is not working. In such cases, the system must be inspected to identify and rectify the issue.
3. The standard ballast features thermal overload protection, and the circuit board is equipped with a built-in fuse for added safety and protection.
4. Additional rack is adhered on the back of the ballast for mounting to the bracket.



## OPERATING INSTRUCTIONS FOR UVT BALLAST

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UVT Ballast: Waterproof (IP55) rated digital 9000 Hour digital reset ballast with audible alarm comes with an optional dry contact feature.

### UVT Ballast:

After approx. 9000 hours (1 year) continuous run time the UV lamp loses its radiation efficiency and will not deactivate viruses and bacteria coliforms effectively. The advantage of the UVT digital ballast, is it will alert the home owner or operator to replace the UV lamp by an audible alarm and is simply reset for another year once lamp is changed. The UVT control is waterproof (IP55) and comes as an extra with the option of a dry contact feature if needed. The ballast has a high frequency range and meets many European electrical standards such as UL, CUL, TUV for peace of mind.



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## DIGITAL PANEL DISPLAY

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### Digital Panel Display

Before the operation of the ballast, make sure that the lamp is connected to the ballast and they both work normally. The digital display will show a green light: when in operation.

**The Home display on the digital screen is USED TIME which shows Lamp Hours used.**

Press the MODE key to switch, to the following options:

USED TIME. (*of the lamp*) H: Hours, M: Mins, S: Soconds

USED TIME  
Eg. 0H 22M30S

REMAINING TIME. (*of the lamp*) H: Hours, M: Mins, S: Soconds

REMAINING TIME  
Eg. 8999H 37M30S

OPERATE TIME SET. (Lamp life setting should be set to 9000 Hours)

OPERATE TIME SET  
Eg. 9000 Hours.

To change the above settings: Press and hold the MODE key in for 5 seconds to get into the setting function.

INPUT PASSWORD!  
1234

**The password is 1234 and you can't change the password.**

Press the MODE key to switch to the next following option. Press the UP key to set the values and press MODE key to enter. After no pressing key for 30 seconds, it will cancel the setting and go back to the home USED TIME. Display

Reset the used time of the lamp:

RESET USED TIME  
ARE YOU SURE? **N**

Press Up key to display Y then press and hold Mode button in for 5 seconds. DONE! Is displayed

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Set the lamp life time

SET OPERATE TIME  
9000 Hr.

Press Up key to display Y then press and hold Mode button in for 5 seconds. DONE! Is displayed

When the lamp life time expires, the ballast will sound an alarm and the LED light will turn red, the lamp is turned off and the LCD shows the following display:

REPLACE  
The UV Lamp.

Replace lamp then reset the Hours by Pressing the Up key to display Y then press and hold Mode button in for 5 seconds. DONE! Is displayed

Lamp Absence detection.

LAMP ABSENCE!  
POWER LATCH OFF.

When no lamp is connected, the ballast sounds the alarm and LED turns red and the LCD screen shows the following display:

LAMP FAIL!  
POWER LATCH OFF.

When the output is shorted, the ballast sounds alarm, LED turn red, and the LCD shows the following display

*The Dry Contact cable is an added extra, if the Dry contact signal output cable is required, please contact your UV supplier. It can be connected to a PLC or solenoid valve. When it is not used, a cap is offered to seal the port.*

## UV MAINTENANCE

### MAINTENANCE REQUIREMENT

To operate the UV correctly and retain its maximum efficiency the system must be maintained as below:

**For correct disinfection the UV lamp must be replaced every 9000 hours of continuous operation (The lamp should be changed every 12 months).**

**It is generally recommended the lamp remains on continually. Constant turning on and off will shorten the lamp life.**

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## REMOVING UV LAMP

**Note: As advised earlier Do Not touch the lamp or sleeve with bare hands.**

**Note: Avoid touching the sides of the lamp, handle by the ends only.**

1. Turn the power off and unplug power lead from the power point.
2. Hold the knurled aluminium sealing nut firmly (Part 2) and loosen the screw making sure you do not loosen the aluminium nut on the chamber. (Ref page 6 and 7)
3. Still holding the knurled section half of Part 2, carefully withdraw the other Aluminium Half (part 1) until the lamp protrudes out approximately 50mm
4. While holding the lamp end carefully unplug the lamp socket off the lamp pins
5. Then Carefully remove the lamp entirely from the chamber assembly.

Replace the lamp as per the procedure in UV assembly page 6 and 7.

### **WARNING:**

**DO NOT damage or break the lamp, as with all fluorescent lamps it contains Mercury (Hg) which is hazardous, the lamp must be disposed of correctly. It is recommended to slide the old lamp into the protective sleeve of the new lamp when it is available.**

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## REPLACING QUARTZ THIMBLE

The Quartz Thimble is to be cleaned every 6-12 months (or earlier depending on water quality) with a non-coloured non- residue glass cleaner.

The O-Ring should be replaced each time the Quartz thimble is reinstalled. (use O-ring lubricant sparingly)

The Quartz thimble should be replaced every 24 months or earlier if required.

Remove Lamp. (Follow steps [Removing UV Lamp](#)) above

**Note: The chamber will still be FULL of water so take precautions for water spillage.**

**Turn the power off and unplug power lead from the power point.**

1. Close the Inlet valve, depressurise the system by opening a valve in the service line and then close the outlet valve.

Note: The UV chamber is installed vertically, loosen part 2 of the aluminium nut by unscrewing anticlockwise, unscrew the optical /drain plug. (ref page 6 and 7) If you require a wrench, use a cloth to protect the plug surface. Reinstall the Drain Plug with O-Ring. Hand Tightening should only be required.

2. When the chamber is empty, fully disconnect the two-piece nut, unscrew and remove the top aluminium knurled nut (Part 2), carefully remove the O-ring from the end of the quartz thimble.
3. Carefully remove the quartz thimble from the chamber.

**Follow instructions on UV installation pages 6 and 7 for the re installation of the quartz thimble.**

CARTRIDGE INSTALLATION / REPLACEMENT

To change the filter cartridge(s) please adhere to the following procedure:

1. Turn water supply off and relieve pressure by opening a downstream tap or pressing the red pressure relief button on the housing(s) (if fitted).
2. Unscrew the filter bowl(s). If difficult to undo, use the wrench provided. Remove old cartridge(s). We recommend replacing O-rings every 3 - 5 years to ensure a water tight seal, preventing any leaks.
3. Clean bowl(s) with soap and warm water and rinse thoroughly. Check O-Ring(s) for damage and if there is any, replace.
4. Check O-ring(s) lubrication and if necessary, apply a light coating of food grade silicone lubricant (or similar).
5. **Remove all packaging from new filter cartridge(s)** and insert into housing bowl(s) making sure cartridge(s) is properly seated over spigot in base of bowl(s). Remember to record the model no. of the cartridge(s) you use.
6. Hold bowl(s) upright while screwing onto head. Make certain that the spigot in the housing head(s) is located centrally to the cartridge(s) to make a good seal. Hand tighten bowl until firm. **DO NOT OVER TIGHTEN.**
7. Open downstream tap to allow air to be released and gently open water supply allowing all air to be purged.
8. Allow water to run for 2 minutes to flush the system.
9. Close down stream tap and check for leaks. Flush system for 10 minutes after any period of non-use more than 2 days. For a period of non-use of 2 weeks or more, it may be necessary to replace the cartridge.

**NOTE: TO RUN UNFILTERED WATER TO THE HOUSE (WHEN GARDENING OR FILLING THE POOL), PLEASE CLOSE VALVES GOING IN AND OUT OF THE FILTER SYSTEM (#3 & #7) AND OPEN THE BYPASS (VALVE #9).**

Figure 1

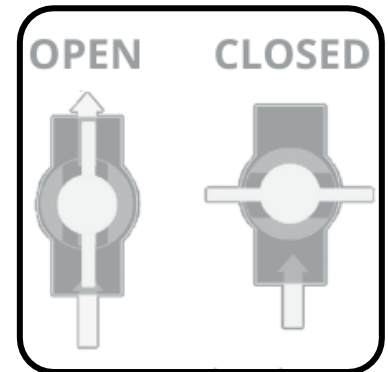
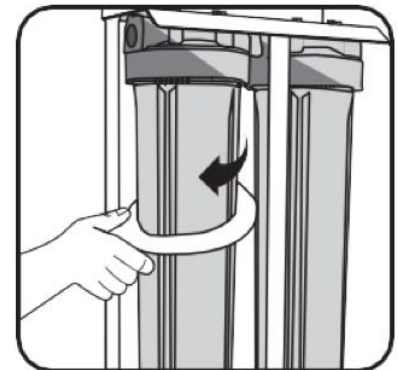


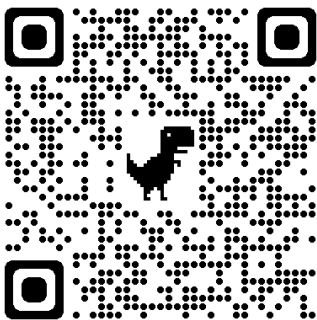
Figure 2



**Important Notice:** Please remember to document your service schedule on page 25 of this booklet for easy reference and maintenance tracking. Your diligent record-keeping ensures timely and efficient maintenance, guaranteeing the longevity and optimal performance of your filtration system.

SCAN QR CODE

A service video can be accessed quickly via the QR code, using a device with a QR reader application.



REPLACEMENT GUIDE

To maintain the high quality of the purified water the cartridge(s) need changing every 12-18 months (this is dependent on water quality and usage). You can obtain replacement cartridges from your local AquaCo stockist. To maintain performance and warranty use genuine AquaCo replacements.

REP-202CL-WAWF



Note: Replacement frequency also depends on water quality and usage. Filters should also be changed when rated capacity is reached, or when flow becomes too slow.

REP-203PR-WAWF

**1**

**PP Sediment**

Removes sediments, dust, sand, rust, dirt, and silt.

*12-18 months*



**2**

**Aragon Guard**

Removes chlorine, chloramines, heavy metals, viruses, bacteria, parasites and reduces visible calcium build up.

*12-18 months*



Note: Replacement frequency also depends on water quality and usage. Filters should also be changed when rated capacity is reached, or when flow becomes too slow.




REPLACEMENT PARTS AND COMPONENTS



	<p><b>Premium Replacement Filters</b>  Set of replacement filter cartridges for the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> stage of the whole house water filtration system.</p> <ul style="list-style-type: none"> <li>✓ Sediments</li> <li>✓ Chlorine</li> <li>✓ Pesticides &amp; Herbicides</li> <li>✓ VOCs (Acetone, Alcohol, Ethanol, Acetic Acid...)</li> <li>✓ Taste, Odours &amp; Colour</li> <li>✓ Heavy Metals (Copper, Iron, Lead)</li> <li>✓ Parasites, Bacteria &amp; Viruses</li> <li>✓ Chloramines</li> <li>✓ Scale build up reduction</li> </ul> <p><b>*WORK FOR HARD WATER, CITY WATER, WELL WATER AND TANK WATER.</b></p>
	<p><b>Classic Replacement Filters</b>  Set of replacement filter cartridges for the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> stage of the whole house water filtration system.</p> <ul style="list-style-type: none"> <li>✓ Sediments</li> <li>✓ Chlorine</li> <li>✓ Pesticides &amp; Herbicides</li> <li>✓ VOCs (Acetone, Alcohol, Ethanol, Acetic Acid...)</li> <li>✓ Taste, Odours &amp; Colour</li> <li>✗ Heavy Metals</li> <li>✗ Parasites, Bacteria &amp; Viruses</li> <li>✗ Chloramines</li> <li>✗ Scale build up reduction</li> </ul> <p><b>*WORK FOR CITY/TOWN WATER.</b></p>

*Maintenance: Replacement filters are recommended to be changed every 18 months. However, replacement frequency also depends of water quality and usage.*



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	<p><b>Filter Casing/Housing Sump</b>                  20" x 4.5" high virgin polypropylene filter housing with ABS caps and reinforced brass ports for maximum durability.</p> <p>*WORK FOR HIGH WATER PRESSURES.</p>
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*Maintenance: Filter housings are recommended to be changed every 10 years. However, replacement frequency can vary if filter housings have been dropped or are directly/indirectly exposed to the sun.*

	<p><b>Stainless Steel/Glass Pressure Gauges</b>                  Read the water pressure of the outgoing and incoming water for easy monitoring.</p>
	<p><b>Big Blue Spanner</b>                  Opening tool to tight and loose the filter housing for easy service and maintenance.</p>
	<p><b>Housing Sump O-Rings</b>                  Set of 2 O-rings for Housing Sumps. The seal rings are made of high-quality rubber. They are light weight, soft and flexible, and offer a long service life. They can be used with all food grade lubricants to help you keep the water filter leak free.</p>

*Maintenance: O-rings are recommended to be changed every 2-3 years. However, after every service it is recommended to remove, clean and grease the o-rings and o-ring grooves, and bezel threading as often as required to ensure a good seal and to give you peace of mind.*

	<p><b>Pressure Relief Button</b>                  Set of 2 pressure relief buttons. Provide pressure relief for easier changing of cartridges.</p>
	<p><b>1/4" Plug for Gauge Hole</b>                  Set of 2 plugs/stopper for 1/4" NPT pressure gauge hole in housing cap.</p>

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PERFORMANCE DATA SHEET

PRODUCT CODE: PP-2045-5-WAWF

SEDIMENT FILTER

<b>Micron Rating</b>	<b>Triple Gradient: 20 µm (outer), 10 µm (middle), 5 µm (inner)</b>
<b>Filter Dimensions</b>	20" x 4.5"
<b>Media Type</b>	100% Polypropylene

NOTES: THIS CARTRIDGE IS TESTED AND CERTIFIED BY NSF INTERNATIONAL UNDER NSF/ANSI STANDARD 42 FOR MATERIAL REQUIREMENTS ONLY.

PRODUCT CODE: CB-2045-5-WAWF

CARBON FILTER

<b>Micron Rating</b>	<b>&gt;98% @ 5 µm</b>
<b>Filter Dimensions</b>	20" x 4.5"
<b>Chlorine Reduction &gt;95%</b>	100,000 gallons @ 15 gpm
<b>Initial _P</b>	>5.0 psid @15 gpm
<b>Carbon Type</b>	Activated Carbon

NOTES: CHLORINE REDUCTION CAPACITY BASED ON LABORATORY TESTING CONDUCTED USING TEST PROTOCOL CONTAINED IN NSF STANDARD 42 .

PRODUCT CODE: SCB-2045-5-WAWF

SILVER IMPREGNATED CARBON FILTER

<b>Micron Rating</b>	<b>&gt;98% @ 5 µm</b>
<b>Filter Dimensions</b>	20" x 4.5"
<b>Chlorine Reduction &gt;95%</b>	100,000 gallons @ 15 gpm
<b>Initial _P</b>	>5.0 psid @15 gpm
<b>Carbon Type</b>	Activated Carbon

NOTES: CHLORINE REDUCTION CAPACITY BASED ON LABORATORY TESTING CONDUCTED USING TEST PROTOCOL CONTAINED IN NSF STANDARD 42 .

Product Code: SYS-202-UV-WAWF

PRODUCT CODE: ARA-2045-WAWF

ARAGON FILTER

<b>Micron Rating</b>	<b>&gt;99.999% @2 µm</b>
<b>Filter Dimensions</b>	20" x 4.5"
<b>Suspended impurities (rust, sand, algae, other particles) over 5 µm</b>	100%
<b>Heavy and radioactive metals (lead, cadmium, copper, strontium-90, caesium)</b>	>99%
<b>Active chlorine</b>	>100%
<b>Organic compounds</b>	>92%
<b>Hardness salts</b>	>85%
<b>Microorganism and coliform bacillus</b>	>99%
<b>Hepatitis A virus, rotaviruses and Noroviruses</b>	>99%
<b>Capacity</b>	60,000 L @0.3 mg/l of iron 300,000 L @0.06 mg/l of iron

\* DEPENDS ON CONTAMINATION DEGREE OF INITIAL WATER

\*\* GIVEN THE IRON CONTENT OF WATER UP TO 0.3 MG/L WITH CONSIDERATION FOR REGENERATION

\*\*\* AT HARDNESS UP TO 3 MG-EQ/L WITH CONSIDERATION FOR REGENERATION

This is confirmed by:

- Certified by Institut Pasteur de Lille (France)
- Certified by S.M Kirov Military Medical Academy (Russia)
- Certified by The Research Institute of Influenza (Russia)
- Certified by V.G Khlopin Radium Institute (Russia)
- Certified by The Research Institute of Epidemiology and Microbiology (Russia)
- Certified by IFTS (France)
- Certified by IAPMO (United States)
- Certified by University of Ferrara (Italy)

In accordance with the test report based on the filtration of the artificially contaminated ultra-clean water, the GEYSER ARAGON BIO filters are capable to remove the bacterial and viral contamination with the following parameters:

- Legionella pneumobilia, Serogroup 1 (CIP 103854): mean removal efficiency 99.99987 % (5.9 log)
- Salmonella Typhimurium (ATCC 14028): mean removal efficiency 99.998 % (4.8 log)
- Poliovirus, Sabin Strain of Type 1: mean removal efficiency 99.84 % (2.8 log)
- Rotavirus, Simiens Strain SA114F1: mean removal efficiency 99.99 % (4.0 log)
- Hepatitis A virus, Strain HM175/18f (ATCC VR-1402): mean removal efficiency 96 % (1.4 log)

Product Code: SYS-202-UV-WAWF

## NOTES

AquaCo water care products are designed, manufactured and supported by Water Filters Pty Ltd the name you can trust for viable and proven water solutions. The complete range of AquaCo products are developed, refined, made to meet and exceed stringent specifications for the worldwide market.

Important: Sales of products are subject to our Terms and Conditions which are available upon request. All specifications, information and photos are a guide only and are subject to change without notice. Please ring to confirm details. Warning: For correct operation of this appliance, it is essential to observe manufacturer's instructions.

## WARRANTY

Any contract of sale, order, or quotation made or accepted by or on behalf of Water Filters Pty Ltd (trading as AquaCo Filters) is subject to these terms and conditions of sale.

- AquaCo Filters warrants AquaCo Filtration Systems to the original purchaser for a period of 5 years for Retail customers, and 2 years for Wholesale and Trade customers from the date of sale established by the date of the original invoice issued by an authorized distributor.
- AquaCo Filters warrants each new Product to be free from defects in the product for a period of 2 year from the date of retail sale established by the date of the original invoice issued by AquaCo Filters.
- AquaCo Filters reserves the right in instalment sales to grant credit for the value of any Product found to be defective under this Warranty.
- AquaCo Filters will not cover any labour charge incurred by the Buyer for the replacement or repair of any Product.
- The Buyer is responsible for freight and local labour charges for Products the subject of this Warranty.
- This Warranty applies only to the original purchaser of the Product.
- AquaCo Filters' obligation under this Warranty is limited to AquaCo Filters' own option, to either repair or replace the Product, once AquaCo Filters has deemed that the Product is defective or AquaCo Filters may, at its own discretion, refund to the Buyer the purchase price paid for the defective goods.
- This Warranty does not cover any Product that is relocated from the site of its original installation.
- All replaced or exchanged parts taken out under this warranty become the property of AquaCo Filters.
- This Warranty is subject to the Product being properly installed, maintained, being used for its intended purpose and operated strictly in accordance with AquaCo Filters' recommendations and installation guide.
- This Warranty does not extend to a Product that has been modified in any way unless with AquaCo Filters' express consent.
- This Warranty does not cover the normal wear and tear of the Product, or damage caused by misuse, abuse or vandalism. The Warranty does not cover any malfunction or failure resulting from neglect, use of unauthorised parts and accessories or use with higher water pressure than indicated on the Product.
- The Warranty does not extend to damage caused by rain, fire, earthquake or other natural causes or acts of nature.
- It is expressly agreed that this shall be the sole and exclusive remedy of the Buyer stated herein, and under no circumstances shall AquaCo Filters be liable for any costs, loss, expense, damages, special damages, incidental damages or consequential damages arising directly or indirectly from the design, manufacture, sale, use or repair of the Product whether based upon warranty, contract, tort or strict liability.
- All Conditions and Warranties implied by law or statute are hereby expressly negated so far as they lawfully can be.

Product Code: SYS-202-UV-WAWF

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## ACCEPTANCE AND CLAIMS

- Acceptance of the Products shall be deemed for all purposes to have taken place at the expiration from the date of each delivery.
- Any damage caused during or as a result of transit will not be the responsibility of AquaCo Filters.
- Any faulty systems must be returned with the Pressure Limiting Valve.
- In the event of a Warranty Claim, the Product must be forwarded at the Buyer's own risk and expense to AquaCo Filters, together with proof of purchase.
- This limited Warranty is void if the Product under Warranty is presented without the said original invoice.
- AquaCo Filters may request that a Statement accompany the Original Invoice, signed by the Buyer, setting out the following terms:
  - The name and address of the Buyer.
  - The date and by whom the Product was purchased.
  - The date and by whom the Product was installed.
  - The location where the Product was installed.
  - The date and time the Product first appeared to malfunction.
  - The nature of the problem with the Product.
  - The date and time of any and all loss event/s.
  - The date and time AquaCo Filters was first notified of the Product malfunction.
- A failure by the Buyer to submit the said Statement within 28 days, after such request is made by AquaCo Filters, will automatically void the Warranty.
- A failure to answer truthfully or to answer in a way that is misleading, entitles AquaCo Filters to void the Warranty and to notify the police in the event of suspected fraudulent conduct.

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## RISK

- The risk in the Product will pass to the Buyer immediately upon the Product leaving AquaCo Filters' premises for delivery to the place designated by the Buyer.

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## RETENTION OF TITLE

- AquaCo Filters will retain title to (but not risk in) a Product delivered to the Buyer until AquaCo Filters has received payment in full for such Product from the Buyer.
- The Buyer will store the goods in such a way as to enable them to be separately identified and will keep them insured at its own expense with AquaCo Filters' interest noted on any such insurance cover.
- If the Buyer fails to make any payment when due or becomes bankrupt or becomes insolvent, or has a judgement entered against it in any Court or enters into any scheme of arrangement, composition, or assignment or is in receivership or voluntary administration or liquidation, the Buyer grants AquaCo Filters the license to enter any of the Buyer's premises where the Product is stored, and without notice, to re -take possession of and remove, at the Buyer's cost and expense, the Product in respect of which title has not passed to the Buyer.

Product Code: SYS-202-UV-WAWF

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## RIGHTS FORFEITED

The Buyer forfeits any right or claim against AquaCo Filters warrantee if:

1. The System is operated with a water temperature higher than 38° Celsius.
2. The System is not serviced every 12 months. i.e. replacement of filters, PLV check and assessment of general condition of the system. If the drinking water quality is poor, the System should be serviced before 12 months.
3. The System damage results from water hammer, freezing, neglect or is not installed by a licensed plumber in accordance with the AS3500 plumbing code and installation plan.
4. The System is subject to water pressure that exceeds the maximum recommended pressure.
5. The System is not installed with an Australian Standards approved Pressure Limiting and Dual Check Valve.
6. The System has been found to be tampered with or if the goods have not been operated or maintained strictly in accordance with AquaCo Filters' recommendations.
7. The System is not turned off when the residents are away for over 24 hours.

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## PRICE

- The price charged shall be AquaCo Filters' price ruling at the date of delivery unless otherwise agree in writing. Any price indications or price lists are subject to alterations to AquaCo Filters' price ruling at the date service or goods are supplied.
- Prices are as per AquaCo Filters' wholesale unless otherwise agreed in writing.
- The Buyer is responsible to effect and meet the costs of any insurance cover that is deemed necessary.
- Clerical errors in computations, typing or otherwise of "catalogue, quotation, acceptance, invoice, delivery docket or other document" shall be subject to correction.
- Any goods returned through no fault of AquaCo Filters will be subject to a 15% restocking fee.

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## DEFAULT

On the happening of any one or more of the following events, namely:

- The Buyer fails to make payment to AquaCo Filters on the due date;
- An administrator or liquidator is appointed over any or all of the assets of the Buyer or a scheme of arrangements is proposed to approve with respect to the Buyer;
- In the case of the Buyer being a natural person, the Buyer commits an act of bankruptcy; then AquaCo Filters may at its option exercise all or any of the following rights (notwithstanding any prior failure to exercise such rights):
  - a. demand payment of the whole of the monies owing from the Buyer to AquaCo Filters and the Buyer agrees to pay the same immediately.
  - B. the Buyer shall pay to AquaCo Filters interest on such amount outstanding at the rate of 2% per month and any costs with respect to solicitors, legal advisors, mercantile agents and other agents acting on behalf of AquaCo Filters in respect of any enforcement hereof or recovery or attempted recovery of monies owing by the Buyer to AquaCo Filters.

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## SEVERENCE

If any of these terms or conditions become for any reason wholly or partly invalid, that term or condition shall to the extent of the invalidity be severed without prejudice to the to the continuing force and validity of the remaining terms and conditions.

**Product Code: SYS-202-UV-WAWF**

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#### JURISDICTION

AquaCo Filters and the buyer agree that this agreement and its provisions shall be construed in accordance with the laws of the State of Western Australia and be resolved by a Western Australian Court.

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#### WARRANTY/AUSTRALIA

This warranty is given by Water Filters Pty Ltd, ABN 68618671677, telephone no. 1300 70 1300 and email at [sales@waterfilter.com.au](mailto:sales@waterfilter.com.au).

This warranty is provided in addition to other rights and remedies you have under law: Our goods come with guarantees which cannot be excluded under the Australian Consumer Law. You are entitled to replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.





NOTES

Lined area for notes, consisting of approximately 28 horizontal blue lines.

ABOUT US



Welcome to AquaCo, your trusted partner in water filtration solutions. With over 13 years of dedicated service and a combined experience exceeding 30 years in the water filtration industry, we are proud to have been at the forefront of purifying Australia's water supply. Our mission is simple: to ensure that every Australian has access to the purest water possible.

As a nation-wide leader in water filtration, our reach extends across the entire country. From bustling cities to remote communities, we seamlessly supply and install state-of-the-art filters wherever needed, guaranteeing clean and safe drinking water for all.

At AquaCo, quality is our unwavering commitment. That's why we import premium components from around the globe and assemble our filtration systems in two of Australia's iconic cities: Perth and Sydney. This dual-location operation allows us to cater to diverse needs while maintaining the high standards our customers expect.

We understand the importance of safety and reliability, which is why we only collaborate with licensed plumbers and utilize certified and world-wide tested components in every installation. With our cutting-edge technology, you're not just investing in a filtration system; you're investing in years of research, innovation, and absolute excellence.

Thank you for choosing AquaCo for your water filtration needs. Together, let's ensure a healthier, happier future with clean, pure water for all Australians.

Regards,

**AquaCo Filters Team**

For the latest information, updates, and to stay informed about water filtration news and cutting-edge technologies, be sure to follow us on:

