

Whole House Water Filtration System



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

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

TWO STAGE WHOLE HOUSE FILTRATION SYSTEM



CONTENTS

Two stage Whole House Filtration System	1
Installation and Operation Manual	3
AquaCo Customer Service	3
Guidelines and Warnings	3
Positioning Your Filter	4
Installation Procedure	4
Typical Installation	5
Installation Images	6
Cartridge Installation / Replacement	6
Replacement Guide	7
Replacement Parts and Components	9
Performance Data Sheet	14
Notes	16
Warranty	16
Warranty/Australia	16

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-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 08 6156 0220 (Australia).

GUIDELINES AND WARNINGS

- Where line pressure exceeds 520 kPa, 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 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 PERSONS WILL RESULT IN VOIDED WARRANTY COVERAGE.

Product Code: SYS-202-WAWF

POSITIONING YOUR FILTER

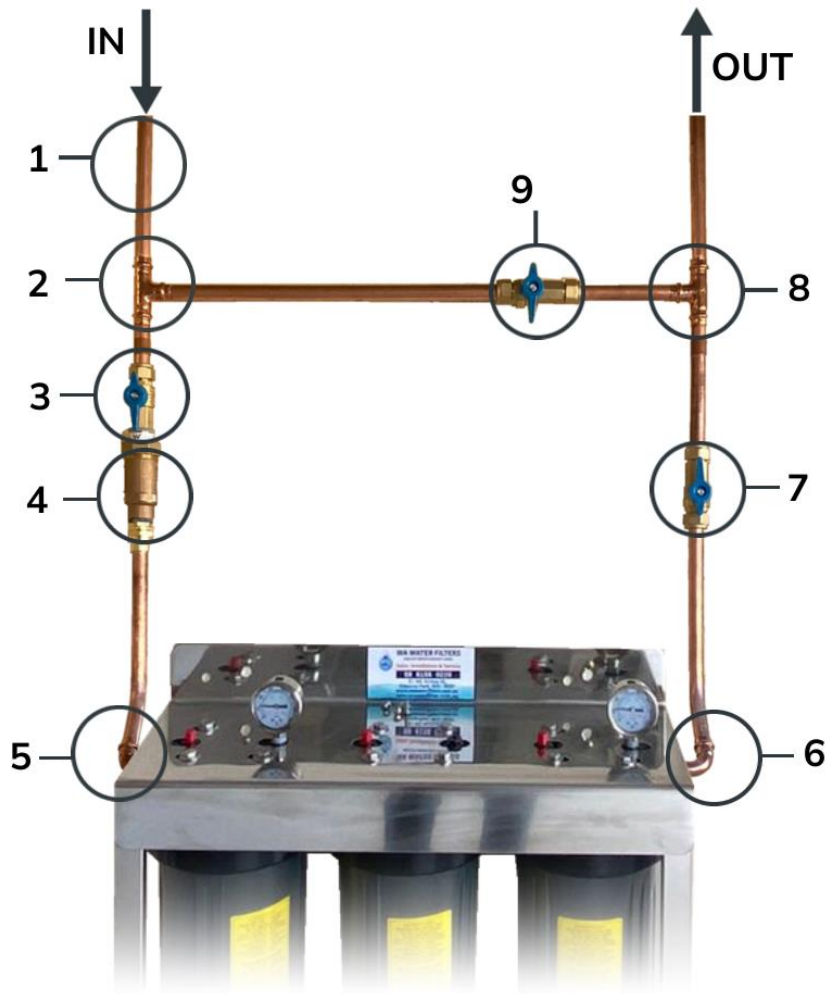
Choose a location where any water spillage will not cause damage. Make sure mounting position is solid so that the filter housing stays in position when changing filters. An isolation valve may be installed immediately prior to the filter to isolate the filter for changing the cartridge.

INSTALLATION PROCEDURE

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 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 and pipework with suitable clips. Allow 50mm clearance underbowl for filter changes.
6. Flush debris from pipework.
7. Install filter cartridge as per cartridge replacement instructions (pg.6).

TYPICAL INSTALLATION

Figure 1



- 1. Inlet and Connecting Pipework (Not included)
- 2. Equal Tee (Not included)
- 3. Isolation Valve (Not included)
- 4. Backflow Prevention Valve (Not included)
- 5. 90 Degree Elbow (Not included)
- 6. 90 Degree Elbow (Not included)
- 7. Isolation Valve (Not included)
- 8. Equal Tee (Not included)
- 9. Bypass (Not included)

INSTALLATION IMAGES



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 2

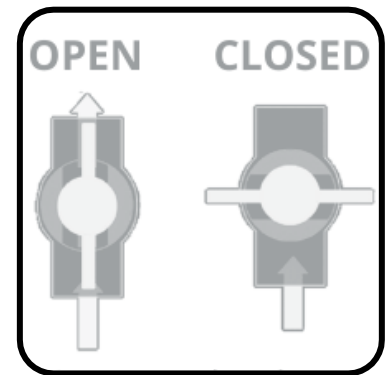
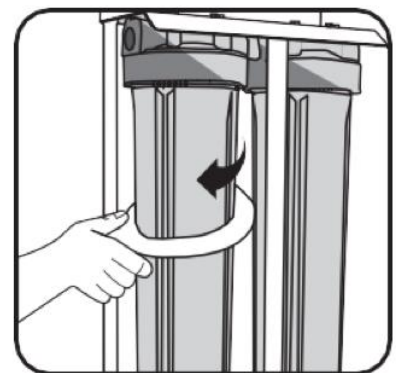


Figure 3



REPLACEMENT GUIDE

You can obtain replacements from your local AquaCo dealer. To maintain performance, warranty and standards use genuine AquaCo replacements.

Figure 4 – Classic Replacement Filters For Two Stage Filtration System



Figure 5 – Premium Replacement Filters For Two Stage Filtration System



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.

REPLACEMENT PARTS AND COMPONENTS

Figure 6 – Replacement Parts and Components



STAINLESS STEEL ENCLOSURE

Protects the filters from UV Rays, sun damage and extreme conditons. Reflects the sunlight whilst keeping low temperatures during the summer.



BYPASS

Allows to run unfiltered water. Useful when gardening, servicing and filling up the pool.



ABS CAPS

Strong resistance to physical impact and corrosive chemicals.



STAINLESS STEEL BRACKET



STAINLESS STEEL STAND/FRAME



PREMIUM OR STANDARD



HIGH VIRGIN POLYPROPYLENE FILTER HOUSING



STAINLESS STEEL/GLASS PRESSURE GAUGES

For pressure reading in and out of the system.



SPANNER

For tightening and loosing the filter housing.



PRESSURE RELIEF BUTTONS

For releasing the pressure when servicing or changing the filters.



REINFORCED BRASS PORTS FOR MAXIMUM DURABILITY

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

	<p>Premium Replacement Filters Set of replacement filter cartridges for the 1st. and 2nd stage of the whole house water filtration system.</p> <ul style="list-style-type: none"> ✓ Sediments ✓ Chlorine ✓ Pesticides & Herbicides ✓ VOCs (Acetone, Alcohol, Ethanol, Acetic Acid...) ✓ Taste, Odours & Colour ✓ Heavy Metals (Copper, Arsenic, Mercury, Lead) ✓ Parasites ✓ Bacteria & Viruses ✓ Chloramines ✓ Partial removal of calcium <p>*WORK FOR HARD WATER, CITY WATER, WELL WATER AND TANK WATER.</p>
--	---

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

Version	Price
20" x 4.5" Premium Replacement Filters	\$299

*Prices are valid from the 01/11/2021 to 01/12/2022.

Water Filters Pty Ltd reserves the right to change pricing at any time without notice.

Product Code: SYS-202-WAWF

	<p>Classic Replacement Filters Set of replacement filter cartridges for the 1st and 2nd stage of the whole house water filtration system.</p> <ul style="list-style-type: none"> ✓ Sediments ✓ Chlorine ✓ Pesticides & Herbicides ✓ VOCs (Acetone, Alcohol, Ethanol, Acetic Acid...) ✓ Taste, Odours & Colour * Heavy Metals (Copper, Arsenic, Mercury, Lead) ✓ Parasites * Bacteria & Viruses * Chloramines * Partial removal of calcium <p>*WORK CITY/TOWN WATER.</p>
--	---

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

Version	Price
20" x 4.5" Standard Replacement Filters	\$165

*Prices are valid from the 01/11/2021 to 01/12/2022.
 Water Filters Pty Ltd reserves the right to change pricing at any time without notice.


	<p>Filter Casing/Housing Sump 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>
--	---

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.


Version	Price
20" x 4.5" Water Filter Housing Sump	\$199

*Prices are valid from the 01/11/2021 to 01/12/2022.
 Water Filters Pty Ltd reserves the right to change pricing at any time without notice.


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

	<p>Stainless Steel/Glass Pressure Gauges Read the water pressure of the outgoing and incoming water for easy monitoring.</p>
<p><i>Version</i></p>	<p><i>Price</i></p>
<p><i>Stainless Steel/Glass Pressure Gauge</i></p>	<p><i>\$35</i></p>

*Prices are valid from the 01/11/2021 to 01/12/2022.
Water Filters Pty Ltd reserves the right to change pricing at any time without notice.

	<p>Big Blue Spanner Opening tool to tight and loose the filter housing for easy service and maintenance.</p>
<p><i>Version</i></p>	<p><i>Price</i></p>
<p><i>Big Blue Housing Spanner</i></p>	<p><i>\$15</i></p>

*Prices are valid from the 01/11/2021 to 01/12/2022.
Water Filters Pty Ltd reserves the right to change pricing at any time without notice.


	<p>Housing Sump O-Rings 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><i>Version</i></p>	<p><i>Price</i></p>
<p><i>4.5" B.B O-ring Set</i></p>	<p><i>\$20</i></p>


*Prices are valid from the 01/11/2021 to 01/12/2022.
Water Filters Pty Ltd reserves the right to change pricing at any time without notice.

Product Code: SYS-202-WAWF

	<p>Pressure Relief Button Set of 2 pressure relief buttons. Provide pressure relief for easier changing of cartridges.</p>
<p><i>Version</i></p>	<p><i>Price</i></p>
<p>Pressure Relief Button Set</p>	<p>\$10</p>

*Prices are valid from the 01/11/2021 to 01/12/2022.

Water Filters Pty Ltd reserves the right to change pricing at any time without notice.

	<p>1/4" Plug for Gauge Hole Set of 2 plugs/stopper for 1/4" NPT pressure gauge hole in housing cap.</p>
<p><i>Version</i></p>	<p><i>Price</i></p>
<p>1/4" Plug for Gauge Hole</p>	<p>\$10</p>

*Prices are valid from the 01/11/2021 to 01/12/2022.

Water Filters Pty Ltd reserves the right to change pricing at any time without notice.

Product Code: SYS-202-WAWF

PERFORMANCE DATA SHEET

PRODUCT CODE: PP-2045-5-WAWF

SEDIMENT FILTER

Micron Rating	Triple Gradient: 20 µm (outer), 10 µm (middle), 5 µm (inner)
Filter Dimensions	20" x 4.5"
Media Type	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

Micron Rating	>98% @ 5 µm
Filter Dimensions	20" x 4.5"
Chlorine Reduction >95%	100,000 gallons @ 15 gpm
Initial_P	>5.0 psid @15 gpm
Carbon Type	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

Micron Rating	>98% @ 5 µm
Filter Dimensions	20" x 4.5"
Chlorine Reduction >95%	100,000 gallons @ 15 gpm
Initial_P	>5.0 psid @15 gpm
Carbon Type	Activated Carbon

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

Product Code: SYS-202-WAWF

PRODUCT CODE: ARA-2045-WAWF

ARAGON FILTER

Micron Rating	>99.999% @2 µm
Filter Dimensions	20" x 4.5"
Suspended impurities (rust, sand, algae, other particles) over 5 µm	100%
Heavy and radioactive metals (lead, cadmium, copper, strontium-90, caesium)	>99%
Active chlorine	>100%
Organic compounds	>92%
Hardness salts	>85%
Microorganism and coliform bacillus	>99%
Hepatitis A virus, rotaviruses and Noroviruses	>99%
Capacity	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-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 claim under this warranty must be made within 5 years of the date of purchase of the product. This product is warranted to be free of defect of material and workmanship for 5 years from date of purchase. 5 year warranty is 1 year parts and labour, plus 4 years parts only.

To make a claim under the warranty, take the product and proof of purchase to place where you purchased the product, and they will lodge a Warranty Request with AquaCo.

AquaCo will pay your reasonable, direct expenses of claiming under this warranty. You may submit details and proof of your expense claim to place of purchase for consideration.

The warranty only applies if the product was used and/or installed in accordance with the user guide and/ or installation instructions. This warranty is given in lieu of all other express or implied warranties and manufacturer shall in no circumstance be held liable for damages consequential or otherwise or delays caused or faulty manufacturing except as excluded by law.

Applicable to all above, is that the Warranties need to be approved by AquaCo to ensure product was not incorrectly used, installed or claimed. False and incorrect claims will be pursued at AquaCo's discretion, including chargeable inspection and labour costs incurred.

All installation and service work should be completed by qualified tradespeople. Faulty operation due to unqualified persons will result in voided warranty coverage.

Use PTFE thread seal tape on all connections. Use of liquid pipe sealant/dope will void warranty.

Warranty/Australia

This warranty is given by Water Filters Pty Ltd, ABN 68618671677, telephone no. 08 6156 0220 and email at 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.