

User Guide

G6-WaterWall



AS3497 License No.
Lead free. 23341



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Introduction



Thank you for choosing Complete Home Filtration to look after your home’s water quality. Your system is a proven performer, manufactured from only quality materials and components independently lab tested for longevity. We look forward to delivering not only this premium product but also premium service to your household for years to come.

This system is designed for mains water only. Complete Home Filtration filter system cartridges need replacing regularly to maintain optimum performance. This is a simple procedure when following instructions.

For cartridge replacements, contact Customer Service or visit our website at **www.completehomefiltration.com.au**

Guidelines and warnings

- **This Product must be installed in accordance with local Plumbing regulations and MUST be installed by a Licensed Plumber. Failure to do so will void the system warranty.**
- The operating pressure of this unit is 200kPa-600kPa. Exceeding these limits will void the warranty. A Pressure limiting valve must be installed where water pressure exceeds 600kPa to avoid damage to components. Please be advised that state regulations may have different requirements and should be adhered to at all times.
- Use on cold water lines only (with water up to 40°C).
- Do not use water that is microbiologically unsafe or with water of unknown quality.
- In areas prone to freezing, please protect the copper pipe with suitable insulation.
- Flush the system for at least 10 minutes following installation, filter change, or after an extensive period of non-use.
- The WaterWall system is designed for outdoor or garage installation only.
- Installation height must not exceed 2 meters from ground level.
- A bypass valve must be installed as per installation instruction to allow system isolation for routine filter replacements or emergency bypass procedures.
- Installation is recommended downstream of any irrigation system. If this is not possible, an electronic solenoid bypass valve is recommended. We recommend the Galcon 7101BT irrigation controller.

How your filter is positioned

To ensure whole-house filtration, the system is installed on the incoming water main before any branches supply water to the property.

Your system will be mounted onto a solid, secure surface so the housing remains stable and secure during future filter replacements. If your system is installed at the water meter, garden, or exposed ground, the legs will be used for proper stability.

Parts list

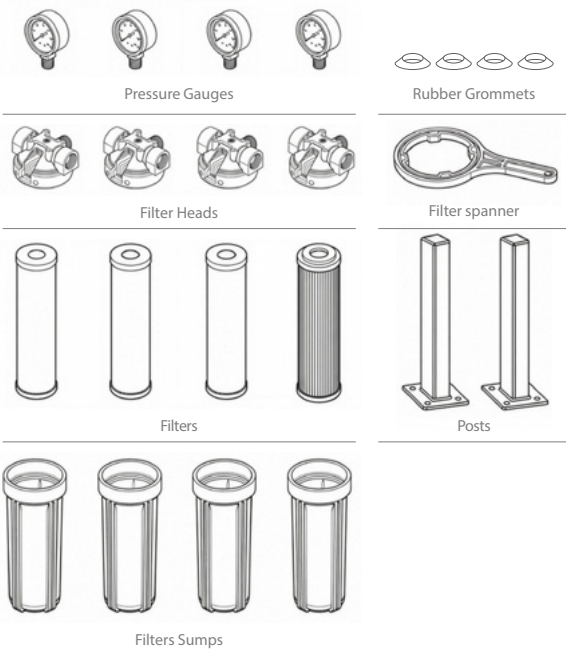
The system is supplied with the following:

- 4 x Pressure gauges
- 4 x Rubber grommets
- 4 x Filter heads
- 1 x Filter spanner
- 4 x Filters
- 2 x Posts (supplied separately)
- 4 x Sumps

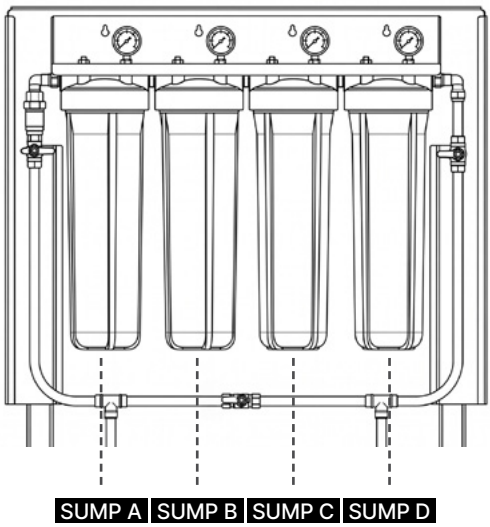
Licensed plumber to supply:

Can be upgraded to 25mm if required

- 3 x 20mm Conetite ball valve
- 1 x 20mm Dual check valve
- 2 x 25mm x 20mm Poly nipples
- 2 x 20mm Copper press tees
- 2 x 20mm M&F elbows brass
- 3M x 20mm Copper
- In ground connections
- 2 x rapid set concrete



Filter configuration setup



Standard Filter Configuration

Sumps	Filter type / Model no.
SUMP A	5 Micron Sediment - EWS1112
SUMP B	1 Micron Sediment - EWS1113
SUMP C	5 Micron Carbon Block - EWS1116
SUMP D	1 Micron Carbon Block - EWS1115

Attapure Filter Configuration

Sumps	Filter type / Model no.
SUMP A	Dual Function PP C/Carbon - EWS0050-SC
SUMP B	Attapure Stage 1 - EWS0051-SC
SUMP C	Attapure Stage 1 - EWS0051-SC
SUMP D	Attapure Stage 2 - EWS0052-SC

Maintenance

Your filter cartridges should be replaced every 6–12 months, depending on your water quality and usage. If you’ve noticed a drop in water pressure or a return of unpleasant taste and odor, your filters are likely depleted and due for a change.

To avoid possible property damage, this product should be regularly inspected for

leaks and signs of deterioration and replaced if needed.

To order your genuine replacements, please email:
filters@completehomefiltration.com.au

Filter installation & replacement procedure

- 1. Isolate system pressure**

 - Switch the system to bypass (see diagram on page 6).
 - Relieve pressure by opening a downstream tap or pressing the red pressure relief buttons at the top of the system.
- 2. Remove old filter(s)**

 - Unscrew the sump (use the filter spanner if required) and remove the old cartridges.
 - Ensure black grommets on top remain in place. If removed, refit them into their original position in the head.
- 3. Inspect**

 - Inspect O-rings and replace if worn.
 - New O-Rings are supplied with filter replacements.
- 4. Install new cartridge(s)**

 - If you haven’t already done so, remove any plastic wrapping or protective packaging before reinstalling the filters.
 - Insert filter 1 into its correct position.
 - Tighten the housing by hand and then tighten using the supplied filter spanner (**do not over-tighten**).
- Filters 2, 3, and 4 must be flushed individually before installation. To do this, insert each cartridge individually into position B and, with no sumps fitted in positions C and D, run water through the system to flush out any debris or carbon fines before they can enter your property’s plumbing.
 - Repeat for each of the three cartridges.
- 5. Recommission system**

 - Take the system off bypass and then open a downstream tap and slowly restore the water supply to purge air.
 - Run water for 5 minutes.
- 6. Check for leaks**

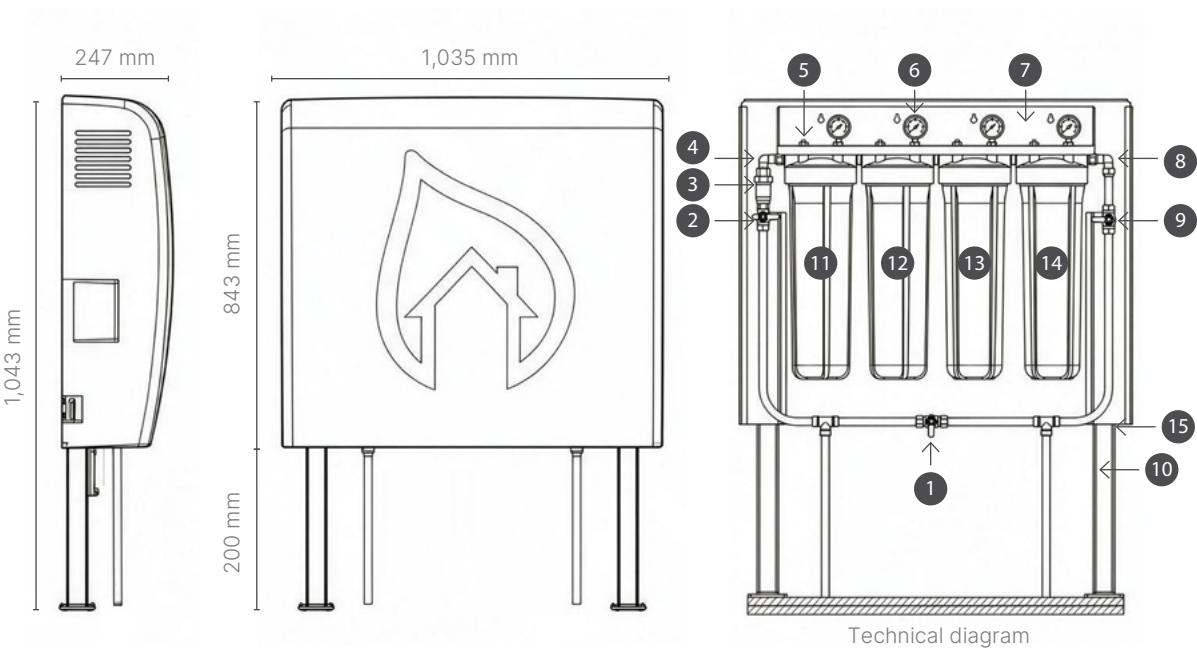
 - Close the downstream tap and inspect the system for any leaks.

Scan here to see a filter installation process yourself.



Technical specification

Dimensions:	:	1,035mm W x 843mm H x 247mm D
Dry weight	:	33kg
Wet Weight	:	56kg when utilising APPFAS filter configuration
Min - Max Pressure	:	200kPa - 600kPa
Max Flow	:	50LPM
Operating temp	:	4° - 40° C
Cartridge size	:	20 × 4.5 inch
Watermark	:	AS3497 Lead Free License 23341
System warranty coverage	:	2-year manufacture warranty, and between 4 to 7 year plumbing warranty depending on your State’s requirements.



1. System bypass valve

2. Inlet ball valve

3. Dual check valve

4. System inlet

5. Red pressure release button
6. Pressure gauge

7. System frame

8. System outlet

9. Outlet ball valve

10. Posts
11. Sump A

12. Sump B

13. Sump C

14. Sump D

15. Leg Sleeves

Verified performance data

Test Organisation: IAPMO R&T Lab. 1041 Glassboro Road Suite D-1, Williamstown, New Jersey 08094					
Model	Base Capacity	Claimed Capacity	Operating Pressure Range	Operating Temp. Range	Flow Rate
WaterWall™ G6-APPFAS	75,027 Litres	149,039 Litres	200kPa-600kPa	Up to 40°C	12 Litres p/m
Manufactured for: Environmental Water Solutions Pty Ltd t/a Complete Home Filtration 1/34 Hasler Rd, Osborne Park WA 6017 www.completehomefiltration.com.au					

This system has been performance tested according to NSF/ANSI 42 and 53 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than the permissible limit for water leaving the system, as specified in NSF/ANSI 42 and 53.

Detailed performance claims:

- PFOA and PFOS Baseline Claims:** From start-up through the rated capacity of 149,039 Litres, treated water quality concentrations remained safely at or near the analytical detection limit (<0.001 µg/L), better than the strict 0.02µg/L safety limit.
- Total PFAS Performance:** Total PFAS reduction successfully achieved 99.95% across the claimable lifespan of 149,039 Litres, taking incoming contamination levels down to 0.001µg/L, near non-detectable levels.
- Specific Compound Reductions:** For targeted perfluorinated compounds, specifically PFNA, PFHxS, and PFHpA, the WaterWall maintained complete qualification across the entire 149,039 Litre claimable cycle, keeping filtered water concentrations below detectable laboratory limits (<0.001 µg/L).
- Zinc and Copper Verification:** Active agent testing verified that both parameters completely satisfied all standard safety limits without leaching or exceeding allowable limits across all evaluated volume intervals up to and beyond 149,039 Litres.
- Sustained Chlorine Efficiency:** The WaterWall maintained an exceptional chlorine reduction efficiency between 97.25% and 99.55% throughout its rated lifecycle, performing at an average reduction of 99.55% at 149,039L's.
- Extended Lifespan:** At the nominal 100% capacity milestone (75,027 Litres), the system registered 98.90% reduction in Chlorine and 99.95% reduction in Total PFAS.

Extended laboratory stress test:

Under NSF/ANSI testing protocols for unmetered filtration systems, units are subjected to extended testing beyond 100% capacity to verify a required consumer safety factor.

- Extreme PFAS Stress Testing:** During independent testing by IAPMO R&T Laboratory, evaluation was tested to 298,078 Litres (397% of nominal capacity) for Total PFAS, where the WaterWall maintained an efficiency of over 99% contaminant reduction.
- Extended Chlorine Endurance:** Chlorine reduction testing was continued to 235,042 Litres (313% of nominal capacity), with reduction efficiency concluding at an outstanding 99.49% and exhibiting zero signs of breakthrough.
- Active Agent Safety:** Leaching and active agent testing for Copper and Zinc verified that both parameters satisfied all standard safety limits up to 316,580 Litres (422% of nominal capacity).

NSF42

Performance Tested to NSF/ANSI 42
Standard Chlorine Reduction PT 100%

Contaminant	Unfiltered Water Challenge Concentration (µg/L)	NSF 42 Required Min. Reduction %	WaterWall™ Treated Water Quality & Removal Percentage at Claimed Capacity	Result
Chlorine (Average)	2.20 mg/L	50%	<0.001 mg/L / 99.95%	PASSED

NSF53

Performance Tested to NSF/ANSI 53
PFAS Reduction Testing & Active Agent Copper and Zinc

Contaminant	Unfiltered Water Challenge Concentration (µg/L)	NSF 53 Treated Water Quality Limit	WaterWall™ Treated Water Quality & Removal Percentage at Claimed Capacity	Result
Total PFAS	2.176 µg/L	≤0.020 µg/L	0.001 µg/L / 99.95%	PASSED
PFOA	0.506 µg/L	≤0.020 µg/L	<0.001 µg/L / 99.8%	PASSED
PFOS	1.010 µg/L	≤0.020 µg/L	<0.001 µg/L / 99.9%	PASSED
PFHxS	0.300 µg/L	≤0.020 µg/L	<0.001 µg/L / 99.67%	PASSED
PFHpA	0.041 µg/L	≤0.020 µg/L	<0.001 µg/L / 97.56%	PASSED
PFNA	0.050 µg/L	≤0.020 µg/L	<0.001 µg/L / 98%	PASSED

Test laboratory water characteristics:

Tests were conducted under controlled conditions to ensure reproducibility and compliance with international standards. Official trial averages are detailed below:

Test Water Quality Characteristics	NSF/ANSI 42 (Chlorine)	NSF/ANSI 53 (PFAS)
pH Range	7.46	7.45
Temperature	19.1°C	19.1°C
Turbidity	0.41 NTU	0.41 NTU
Total Dissolved Solids (TDS)	226 mg/L	227 mg/L
Total Organic Carbon (TOC)	1.3 mg/L	1.4 mg/L
Operating Flow rate	12 L/min	12 L/min

Disclaimer:

- Performance claims are based on independent laboratory testing under controlled conditions in accordance with NSF/ANSI standards. Actual performance may vary depending on local water quality, line pressure, system installation, and individual operating conditions.
- While laboratory stress testing demonstrates extreme over-capacity endurance, filter cartridge replacement is strictly required at 149,039 Litres or annually to maintain certified claims.
- Not all contaminants listed may be present in your water.
- Does not remove all contaminants that may be present in tap water.
- System performance depends on adherence to manufacturer installation, correct operation, and ongoing filter replacements to maintain performance claims.

Warranty

Subject to the conditions of the Goods and Workmanship warranty, the Company warrants that:

(a) For the whole home system, if any defect becomes apparent and is reported to the Company within twenty-four (24) months of the date of delivery or installation (whichever is applicable), then the Company will either (at the Company's sole discretion) replace or remedy the Goods or Workmanship.

The conditions applicable to the warranty are:

(a) The warranty shall not cover any defect or damage which may be caused or partly caused by, or arise through;

- (i) Failure on the part of the Customer to properly maintain any Goods; or
- (ii) Failure on the part of the Customer to follow any instructions or guidelines provided by the Company; or
- (iii) Any use of Goods otherwise than for any application specified on a quote or order form; or
- (iv) Failure to promptly notify the Company, and the continued use of any Goods after any defect becomes apparent or would have become apparent to a reasonably prudent operator or user; or
- (v) Fair wear and tear, extreme weather, any accident or force majeure.

(b) All installations must be carried out by licensed plumbers.

(c) The warranty shall cease, and the Company shall thereafter in no circumstances be liable under the terms of the warranty if the Goods or Workmanship are repaired, altered or overhauled without the Company's express permission (including modifying, moving or relocating any part of the system, even if temporary).

(d) In respect of all claims, the Company shall not be liable to compensate the Customer for any delay in either replacing or remedying Goods or Workmanship or in assessing the Customer's claim unless deemed a major failure and therefore within statutory obligations under Australian Consumer Law.

To claim under this warranty, please contact the Company, by one of the following means:

- (a)** Email: service@completehomefiltration.com.au
(b) Phone: **1300 693 458**

You will need to complete a warranty claim form and provide:

- (i) Your name, address, contact number and purchase date.
- (ii) Outline of the nature of the defect.
- (iii) Evidence of the defect.

Your warranty may be void if the system is installed by an unlicensed person, modified or repaired without approval or not serviced as scheduled. In the event that installation is completed by a licensed plumber, the warranty may still be void if installation guidelines are not followed, or incorrect or non-approved parts are used.

You have other statutory rights. This warranty applies in addition to any statutory rights or remedies you may have, including under the Australian Consumer Law. Goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any 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 amount to a major failure. Warranty does not include service or labour charge.

Warranty claim process

To make a claim under this warranty the buyer must contact Complete Home Filtration by any one of the following means:

E-mail: service@completehomefiltration.com.au
Phone: **1300 693 458**

A copy of the original invoice must be presented for any warranty claim as proof of purchase. CHF may request that a warranty claim form accompany the original invoice, signed by the buyer (warranty claim form can be obtained from CHF), containing the following details:

1. The name and address of the buyer.
2. The date the product was purchased.
3. The date and by whom the product was installed in cases where a third party installer was used.
4. The location where the product was installed is different to the buyers residential address.
5. The date and time the product first appeared to malfunction.
6. Outline the nature of the defect or other supporting material.
7. The date CHF was first notified of the product malfunction.
8. Photographic evidence of the defect if requested by CHF.



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by Complete Home Filtration

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