

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-APPFA	75,027 Litres	149,039 Litres	200 kPa - 600 kPa	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.

NSF53

Performance Tested to NSF/ANSI Std 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

NSF42

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

Contaminant	Unfiltered Water Challenge Concentration (mg/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 / 99.55%	PASSED

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).

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

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 0.001 µg/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.

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.