

Research Title: "Filter cartridge test and optimisation for domestic and commercial water quality monitoring"

IN ASSOCIATION WITH CURTIN UNIVERSITY

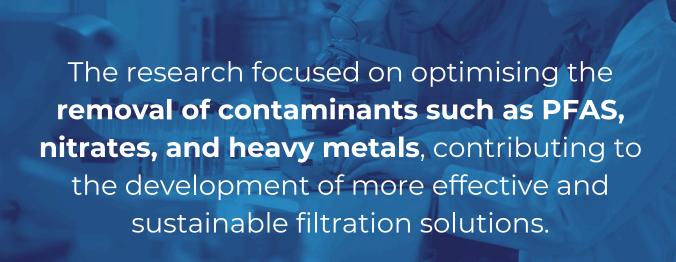




Research Title: "Filter cartridge test and optimisation for Domestic & Commercial water quality Monitoring"



We are proud to announce our joint research collaboration with Curtin University, one of the world's leading institutions. Together, we are shaping the future of water quality.



Research Title: "Improved Filtration Materials for Water Treatment"

A Collaborative Research Initiative by

WATER ANALYTICS AUSTRALIA & SCHOOL OF CHEMICAL ENGINEERING, UNSW





Research Title: "Improved Filtration Materials for Water Treatment"



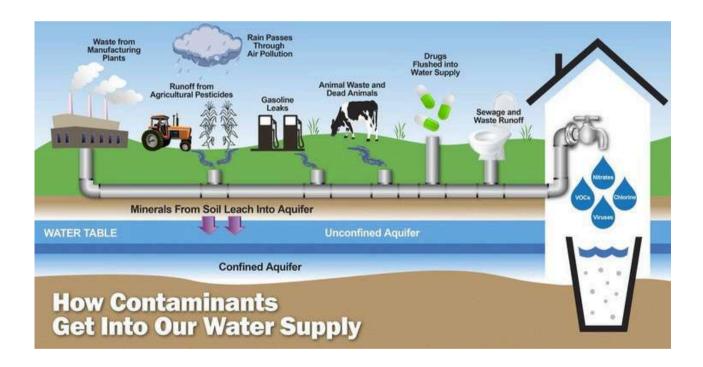
Water Analytics Australia collaborated with the School of Chemical Engineering at UNSW Sydney to evaluate and enhance filtration materials for water treatment.

Where does Tap Water Come From

According to the Australian government, climate change will increase acute, long-term water shortages due to lower rainfall, rivers drying up, and falling dam water levels (surface water).

As a result, non-conventional water sources, such as seawater desalination, recycled rainwater, greywater, and groundwater, will make up an increasing percentage of Australia's water supply. The most recent plants have been built in Perth, Sydney, Melbourne, and Adelaide





Water in your faucet may pick up contaminants on its journey to the tap. While your water may leave the treatment plant without contaminants, it collects them from gas leaks, animal waste, sewage waste, and runoff along the way.

What are the sources of contamination?

Including human activities, natural processes, and aging infrastructure. Here are some common reasons why water can become contaminated:



Chlorination
Disinfectants like chlorine
kill microorganisms, but
excessive levels or byproducts may cause taste
and odor issues.



FluoridationBanned in 98% of European countries.



Wastewater
discharge
Improperly treated wastewater
from industries, sewage, or
septic tanks can pollute water
sources.



Aging infrastructure
Deteriorating pipes may
leach heavy metals and allow
external contaminants into
the water supply.



Spills and accidents
Hazardous substances'
accidental release leads to
water contamination.



agricultural runoff
Chemicals, metals, and
pesticides from industries
and farms can contaminate
water bodies.

Industrial and



contaminants
Arsenic, radon, and
minerals in some water
sources pose health risks at
high concentrations.

Natural



Landfills and waste

Mismanaged sites

contaminate groundwater

with various pollutants.



Storm water runoff
Pollutants from urban
areas, construction, and
roads can affect water
quality during heavy
rainfall.

HOW MUCH DO YOU REALLY KNOW ABOUT YOUR WATER?

We drink tap water, use it to feed our children, and shower in it without a second thought. **Some of us even boil our water, but does that guarantee we're 100% risk-free?**

Although our government diligently strives to uphold the quality of our drinking water, we believe **it's essential for everyone to be aware of these facts.**

Let's explore the reasons behind these facts by examining the provided explanation, supported by figures and references, to uncover the truth.

DOYOUREALLY KNOW ADWG ALSO RECOMMENDS REMOVING DBP'S PRIOR TO USE



"Australian drinking water guidelines should be preferably legislated and regulated across all states and territories, which currently it is not."

> - Adam Lovell, CEO of Water Services Association of Australia

"Over the longer term you'll see that the chemical impacts build up and build up and they're the chronic impacts, which are much harder to see immediately and then much harder to treat."

https://www.abc.net.au/news/2022-08-11/remote-water-quality-doesnt-meet-health-guidelines-indigenous/101318826

HOW MUCH DO YOU REALLY KNOW ABOUT YOUR WATER?

DO YOU REALL

KNOW

Chlorine is a chemical used to kill bacteria in water treatment plants, but it can also be inhaled and absorbed by the skin during showers and baths

2

Our tap water might contain more chlorine than our pool water!

TAP WATER (ADWG) VS. SWIMMING POOL WATER

The ADWG sets the limit of chlorine in our drinking water at 5mg/l, which is higher than the recommended chlorine level of 3mg/l in most swimming pool test kits.



A Belgian study released in 2003 found that certain irritants called trichloramines are released any time chlorinated water reacts with organic materials. These trichloramines are believed to initiate a biological process that effectively destroys the cellular barriers surrounding the lungs.

The U.S. Council of Environmental Quality states that the **cancer risk among** people using chlorinated water is as much as 93% higher than among those whose water does not contain chlorine.

Furthermore, up to **two thirds of our harmful exposure to chlorine is due to inhalation of steam and skin absorption while showering**. This highlights the potential health risks associated with chlorinated water.

https://www.abc.net.au/news/2022-08-11/remote-water-quality-doesnt-meet-health-guidelines-indigenous/101318826 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1257669/

HOW MUCH DO YOU REALLY KNOW **ABOUT YOUR WATER?**

DO YOU REAL

A study from Harvard
University suggests that high levels of fluoride can negatively affect children's cognitive development.

> The fluoride levels in our water might exceed the recommended intake for our children?



The **ADWG** sets the **MAXIMUM FLUORIDE** LEVEL AT 1.5 MG/L.

However, the Australia Government **National Health and Medical** Research Council states that the adequate intake in children varies by age (due to different body weights), ranging from

- 0.5 mg per day in 7 12 month old
- 1.1 mg per day in children aged 4 8 years

This suggests that the fluoride levels in our water may not be optimal for everyone.

Water Fluoridation Status of Western Europe (BFS 2012)				
Country	Population Size*	No. of People w/ Fluoridated Water**	% w/ Fluoridated Water**	
Austria	8,452,835	0	0%	
Belgium	10,951,266	0	0%	
Denmark	5,584,758	0	0%	
Finland	5,413,830	0	0%	
France	65,350,000	0	0%	
Germany	81,859,000	0	0%	
Greece	10,787,690	0	0%	
Iceland	320,060	0	0%	
Irish Republic	4,588,252	3,250,000	73%	
Italy	60,820,787	0	0%	
Luxembourg	511,800	0	0%	
Netherlands	16,738,836	0	0%	
Norway	5,027,800	0	0%	
Portugal	10,561,614	0	0%	
Spain	46,163,116	4,250,000	11%	
Sweden	9,495,113	0	0%	
Switzerland	7,952,600	0	0%	
United Kingdom	62,262,000	5,797,000	11%	
TOTAL	412,841,357	13,297,000	3%	
* been //on wiking dia aya/wiki/list of asymptotic by manufation				

http://en.wikipedia.org/wiki/List_of_countries_by_population British Fluoridation Society (2012). One in a Million: The facts about water

fluoridation. Available online
at: http://www.bfsweb.org/onemillion/onemillion2012.htmlNOTE: The data for
"Population Size" is mostly from 2012, whereas the "Number of People with
Fluoridated Water" and "Percent with Fluoridated Water" data is based on estimates that the British Fluoridation Society (BFS) appears to have derived between 2010 and 2011. This time difference may explain why some of the BFS's estimates for "Percent with Fluoridated Water" are incorrect when calculating the population data in this table.

HOW MUCH DO YOU REALLY KNOW **ABOUT YOUR WATER?**

DO YOU REAL

INDESTRUCTIBLE TOXINS: PFAS, UP TO 1,000 YEARS TO DECOMPOSE.

Some regions have water contaminated with harmful chemicals like PFAs, exceeding safety standards by up to 78 times

In Australia, the presence of **PFAs in** water has become a growing issue.



PFAs are highly undesirable in water sources. These humanmade chemicals are not easily decomposed and can easily transfer from soil to groundwater and can be transported long distances through air and water.

Some areas in Australia **exceeding** the PFAs standard by 78 times, as conventional water treatment processes struggle to effectively eliminate these compounds due to their chemical stability and resistance to degradation.

PFAs remain in the human body for 3-5 years, have been linked to kidney cancer, testicular cancer, ulcerative colitis, thyroid disease, preeclampsia, and medically diagnosed high cholesterol in humans.

https://www.news.com.au/technology/environment/the-places-in-australia-where-you-cant-drink-the-water/news-story/e4eb54914663bc0dc49db3accf0980a7



Don't settle for outdated technology.

Better Filters, Every Change.

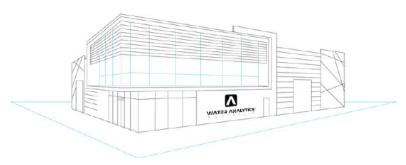
That's FuturePure Protection.



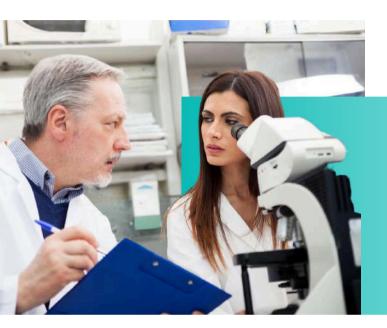
We're excited to introduce our FuturePure Protection program.

WAA is continuously investing in product improvements to enhance filter quality and performance. This exclusive benefit ensures that all Water Analytics Australia (WAA) customers get the latest advancements in water filtration technology.

Don't settle for outdated technology.



Experience the **future of water filtration** today with Water Analytics Australia's **FuturePure Protection program**.



Introduction.

In partnership with Australian
Universities, Water Analytics Australia is
thrilled to unveil our **FuturePure Protection program**.

This exclusive benefit ensures that all our customers continually enjoy the latest advancements in water filtration technology.



What Makes Us Different?

Unlike other filtration systems on the market, our program provides ongoing improvements and optimizations to your filters. Each of these upgrades is rigorously tested and developed through cutting-edge research.



Automatic Upgrades

Whenever you're due for a filter change and there's an upgraded technology product available, all our customers - including those who have already invested in our systems - will automatically receive these upgrades at no extra cost.

Backed by our **lifetime warranty**, your investment in our filtration system is more than a **one-time purchase**; it's a commitment to **a lifetime of ever-improving water quality**, all thanks to ongoing innovations from Australia's leading **research scientists**.



Water Analytics Australia
"Better Filters, Every Change That's FuturePure Protection."

WHY CHOOSE WAA WHOLE HOUSE WATER FILTRATION SYSTEM?



8 Key Reasons Customers Choose Us:

Number ¹

Better Filters with Every Change



We don't just sell you a filter; we offer a lifetime of evolving filtration solutions. In collaboration with Australia Local Universities, we engage in ongoing filter optimization and development regularly. Every time you replace your filter, you're not just renewing - you're upgrading.

Number 2

Unbeatable Lifetime Warranty



We stand by the quality of our products with an **unmatched Lifetime Warranty**. Continue to replace your filters through us, and we'll continue to guarantee your system's quality. That's our promise.

Unlimited Lifetime Warranty Extension, For details, visit; https://www.wateranalytics.com.au/referralprogram

Number 3

Lifetime Free Sediment Filter



We understand the value of going the extra mile for our customers. That's why we offer a complimentary sediment filter for life, enhancing your system's efficiency and saving you money in the long run.

For details, visit: https://www.wateranalytics.com.au/referralprogram

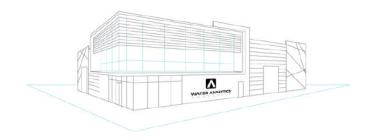
Number 4

Natural Filter Media for Healthier Living



Our filters use **natural media** to deliver the purest water, ensuring enhanced performance and a longer lifespan, which reduces your costs for filter changes.

WHY CHOOSE WAA WHOLE HOUSE WATER FILTRATION SYSTEM?



8 Key Reasons Customers Choose Us:

Number 5

Compatible with 20-Inch Filters – no tricks to lock you in



Say goodbye to the **constraints of odd-sized filters**. We prioritize your flexibility by offering industry-standard 20-inch filters. It means you're **never limited** by uncommon sizes and can easily adapt your system as needed.

Number 6

High Water Flow System for Your Daily Needs



Maintain Strong Water Pressure While Enjoying Clean, Filtered Water: **Our Advanced 3-Layer Separation Technology Ensures Minimal Flow Drop** for a Seamless Shower Experience.

Number 7

Relocation? Your Warranty Moves with You



Planning to move? No worries. **Our warranty isn't tied to your address; it's tied to you**. Relocate your system, and rest assured that your warranty remains intact.

Number **8**

Premium Quality, Inside and Out



Committed to quality with our 3+3 stages system, **tested for safety and performance by Australian Gov-certified facilities**, including Watermark.

Premium Multi-Stage Water Purifier System

Part 1: FHWR-3S1-20 (left) & Part 2: USRO-3S1-2W (right)

Full Home Water Refining System & Under Sink Reverse Osmosis System



Dimension of System

FHWR-3S1-20 (left)



USRO-3S1-2W



TRUSTED NAME IN THE WATER INDUSTRY

COMPONENTS BREAKDOWN OF THE WAA WHOLE HOUSE WATER FILTRATION SYSTEM

FHWR-3S1-20 | (Point of entry)







Easy Installation Clip (Cover)

- No screws needed for hasslefree installation
- Simple hold-and-press clip mechanism
- Saves time with no additional tools required
- Eliminates potential risk of rusty screws

(Optional) Back Cover

- Ideal for ground mounting
- Provides complete protection for the housing system
- Available at a nominal extra



Fully Covered

- Protects all gauges from potential damage
- Dedicated space for filter change tools for easy access and management

Stainless Steel Cover

- Durable and long-lasting
- Provides UV protection
- Anti-corrosion feature ensures longevity
- Sleek and modern design enhances aesthetics



Brass Connector

- Heavy-duty design to handle higher water pressures
- More resilient than plastic connectors: won't crack easily
- Anti-corrosion property prevents second-time contamination



Full-sized and Genuine 20 inch * 4.5 inch Housing

- Double the water contact surface for enhanced performance
- Extends filter lifespan, resulting in cost savings
- Made of food-grade material for safety
- No restrictive fittings, giving customers the freedom to choose filter suppliers



Stainless Steel and Glass Gauge

- Designed for longevity
- Equipped with UV protection and anticorrosion features

Double O-Ring

- Expertly designed to prevent leaks
- Offers a dual-layer of safety for enhanced security
- Ensures users are doubly protected against potential malfunctions and water wastage

Stainless Steel Frame and **Housing Enforce Plate**

- Built tough to prevent pipe
- breakage during filter changes
 Offers superior durability
- compared to plastic-only frames



Sediment Filter

- Uses advanced 3-layer technology for optimal water flow
- Achieves up to 1-micron filtration accuracy
- Made of food-grade material for enhanced safety
- Comes with a lifetime free supply, saving customers money in the long run



Heavy Metal Reduction & Taste Improvement Carbon Filter

- Features KDF 55, which effectively reduces heavy metals
- KDF 85 provides anti-bacterial properties
- Contains natural coconut carbon for superior taste and longevity
- Ensures a lifespan of up to 18 months

Limescale Reduction & Taste Improvement Carbon Filter

- Incorporates limescale reduction media that more efficient than traditional methods
- Achieves up to 1-micron filtration accuracy for purer water
- Lasts up to 18 months
- Contains natural coconut carbon for enhanced taste and extended lifespan

TRUSTED NAME IN THE WATER INDUSTRY

COMPONENTS BREAKDOWN OF THE WAA REVERSE OSMOSIS

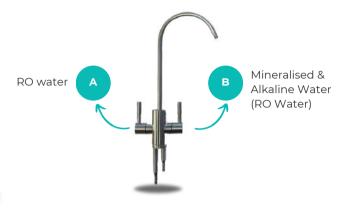
WATER FILTRATION SYSTEM























PFAs Fluoride **TDS**

Barium Radium

This RO filter comes standard in our packages and excels in fluoride and PFA removal. It adjusts TDS to deliver distilled water via a 2-way faucet, with a 3-way option available. Ideal for baby formula, CPAP machines, and PFA risk reduction, etc.







Polishing





Beverages

The T33 post-carbon filter enhances water taste and removes residual odors. It's a standard feature in our packages, offering the final polish to your water for improved flavor and clarity after RO filter. Ideal for cooking, beverages, and ensuring a pleasant water experience.



Small Molecular Balls

Maifan

Stone

al Balls

Alkaline

Balls



Effect: Small molecular balls are generally used to improve the molecular structure of water, making it more easily absorbed by the human body. They can reduce the size of water molecule clusters, thereby enhancing the solubility and permeability of water.



Effect: Maifan stone is a mineral used for mineralizing water. It can add various beneficial minerals and trace elements like calcium, magnesium, potassium, etc., to the water.



Effect: Antibacterial balls are used to eliminate or reduce bacteria and microbes in the water again, providing safer drinking water.



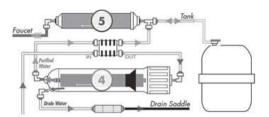
Effect: Alkaline balls are used to adjust the pH level of the water, making it more alkaline. This helps to neutralize acidic substances in the body and is sometimes considered to improve health.

FILTER PERFORMANCE, SPECIFICATIONS & CHANGE SCHEDULE





Hydrographic Chart:



74cm (H) x 59cm (W) x 21cm (D)

Filter: 33cm (H) x 10cm (W) x 20cm (D) & Pressure | Tank: 34cm (H) x 23cm (W) x 23cm (D)

Filter Change	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Max	Free in every 6 months	18 Months	18 Months	36 Months	18 Months	18 Months
Recommended		12 Months	12 Months	24 Months	12 Months	12 Months

^{*}Featuring a 6-stage independent RO (Reverse Osmosis) system, the filter replacement process from the 1st to the 6th stage is as straightforward as it is with our 3-stage POE (Point of Entry) system.

Technical Data (3 Stage POE +3 Stage POU)

Model	FHWR-3S1-20		
Description	Full Home Water Refining System		
Water pressure	0.1-0.6MPa	IRON	Maximum 0.2ppm
Water temperature*	5"C-35"C	TDS	<1800 ppm
Total Net Water	100,000L	Operating Flow Rates	50-60 L/min

Model	USRO-3S1-2W			
Description	Under Sink 3 Stage Reverse Osmosis System			
Water pressure	0.3-0.7MPa/40-100psi	Iron	Maximum 0.2ppm	
Water temperature	5-35"C/40-100a	TDS	<1800 ppm	
Fast Flow Rate	0.5GPM (1.8L/M)	Turbidity	<5 NTU	
Total Net Water	2,000L	PH Parameters	2-11	
Tanks	3.0G	RO Specifications	75GPD	

3+3 Stage System Performance

- Fluoride up to 98%
- Detergents up to 97%
- Acetaminophen up to 97%
- Propylene Glycol up to 95%
- Trichloroethylene up to 95%
- Nitrate up to 97%
- Herbicides up to 97%
- Radium up to 95%
- VOCs up to 98%
- lbuprofen up to 97%
- Glycerol up to 95%
- 1,2-Dichloropropane up to 95%
- Nitrite up to 95%
- Insecticides up to 97% Naproxen - up to 97%
- Phenol up to 95%
- cis-1,3-Dichloropropene up to 95%
- Lead up to 98%
- Phenols up to 97%
- Bisphenol A up to 97%
- o-Cresol up to 95%
- trans-1,3-Dichloropropene up to 95%
- Arsenic up to 98%
- MTBE up to 97%

- Estrogen up to 97%
- m-Cresol up to 95%
- Tetrachloroethylene up to 95%
- Iron up to 98%
- Perchlorate up to 96%
- Nonylphenol up to 97%
- p-Cresol up to 95%
- Chlorine up to 99% Sodium - up to 97%
- Cysts up to 99%
- Phthalates up to 97%
- Toluene up to 95% Taste - up to 99%
- Magnesium up to 98%
- Giardia up to 99%
- Urea up to 97% o-Xylene - up to 95%
- Odor up to 99%
- Calcium up to 98% Cryptosporidium - up to 99%
- Acetone up to 96%
- m-Xylene up to 95% Propyl Acetate - up to 96%
- Mercury up to 97%

- Chloride up to 98%
- E. Coli up to 99.90% Benzene - up to 96%
- p-Xylene up to 95%
- Formaldehyde up to 95% Chromium VI up to 98%
- Cholera up to 99%
- Naphthalene up to 96%
- Styrene up to 95%
- Acetaldehyde up to 95%
- Chromium III up to 97%
- Typhoid up to 99%
- Ethylene Glycol up to 96%
- Ethylbenzene up to 95%
- Isopropanol up to 95% Copper - up to 98%
- Dysentery up to 99%
- Ethanol up to 96%
- Cumene up to 95%
- Vinyl Chloride up to 95%
- Selenium up to 97%
- Polio up to 99%
- Methanol up to 96% Isoprene - up to 95%

- Epichlorohydrin up to 95%
- Barium up to 95% Hepatitis - up to 99%
- Butanol up to 96%
- 1,3-Butadiene up to 95%
- 1,2-Dichloroethane up to 95%
- Ethyl Acetate up to 96%
- Acetonitrile up to 95%
- Methylene Chloride up to 95%
- Sulfate up to 98%
- THMs up to 98%
- Amyl Acetate up to 96%
- Acrylonitrile up to 95%
- 1.1.1-Trichloroethane up to 95%
- Phosphate up to 98%
- PAHs up to 98%
- Methyl Acetate up to 96%
- Allyl Chloride up to 95% Carbon Tetrachloride - up to 95%
- Chloroform up to 95%
- 1.1.2-Trichloroethane up to 95% 1,1,2,2-Tetrachloroethane - up to 95%
- Ammonia up to 95%

^{*}The figures for contaminant reduction and overall performance provided above are derived from laboratory tests using specific water formulations from multiple sources. Actual performance may vary depending on the initial water conditions and the timing of the filter tests. This chart is intended for reference purposes only



THREE-LAYER SEPARATION TECHNOLOGY

Improving user experience with unhindered water flow.

HIGHER EFFICIENCY. FASTER WATERFLOW.

BETTER RESULT.

LOWER COST.

Larger contact area with water, increased flow rate, and stronger pollution tolerance.



Three-layer separation technology

- Pollution Retention Layer

 - Precision Filtration Layer
- Interception Layer





MORE EFFICIENT AND MADE ENTIRELY OF FOOD-GRADE MATERIALS.

COCONUT SHELL ACTIVATED CARBON

Using all-natural food-grade filter materials, without any chemical additives, for higher efficiency and safety.



Natural filtration media

- Effective filtration of impurities in water
- Environmentally friendly and biodegradable
- Long-lasting lifespan
- Cost-effective compared to other filtration systems

Once-in-a-Lifetime Offer! Hurry, Ends Soon!



cash Back (REFERRAL)
\$390 PER
REFERRAL

ON EACH SUCCESSFUL NEW INSTALL https://www.wateranalytics.com.au/referralprogram





ADD-ON WARRANTY
LIFETIME
WARRANTY

EACH \$330 SPENT ON FILTERS
– 18 Months Add-on Warranty







UNLIMITED

1st STAGE FREE FILTER

LIFETIME FREE FILTER

FREE 1ST STAGE FILTER IS LIFETIME FREE
– IN EVERY 6 MONTHS







Exclusive offers and advantages are reserved solely for customers who have invested in our 3-stage POE Whole House System.

Our Solutions

WAA FULL HOME WATER REFINING SYSTEM NANOSCALE SOLUTION 01

Genuine 6 Stages Full Home Refining System
3 Stages (POF) + 3 Stages (POU)

02

Lifetime Warranty & Lifetime Free Filter
Referral Bonus: Unlimited Cash Back + Unlimited Extended Warranty
Istage Filter – \$0 Lifetime Price (Claimable in every 6 months)

03

Nothing to Pay Upfront (Subject to Approval)

An In-Depth Glimpse at Our Premium-Quality Product



The **National Breast Cancer Foundation** (NBCF) is Australia's leading national body funding game-changing breast cancer research.





PROUDLY SUPPORTING NBCF



Every filter you purchase helps us contribute together

We're fundraising for breast cancer research to support **NBCF**'s vision of Zero Deaths from breast cancer.



TRUSTED NAME IN THE WATER INDUSTRY

ABOUT WATER ANALYTICS AUSTRALIA

Water Analytics Australia (WAA) supplies regional and metro, residential and industrial customers with a complete water refining solution utilizing cutting-edge technologies. WAA is a well-known supplier of high-quality water refining systems. Built to manage challenges faced by both, residential & industrial properties when it comes to water treatment. WAA outperforms these challenges from decades of knowledge through our R&D Team. Our solution will assist you in safeguarding what is most important to you!







"A lifetime guaranteed on your household water... no matter where you are..."





Match Your Style with Free Colour Selection!

Limited Time Offer: Choose Creamy White at No Extra Cost While Stocks Last.





