

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)




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

USRO-3S1-2W



Filter : 33cm (H) x 10cm (W) x 20cm (D)

Pressure Tank: 34cm (H) x 23cm (W) x 23cm (D)



The research focused on optimising the **removal of contaminants such as PFAS, nitrates, and heavy metals**, contributing to the development of more effective and sustainable filtration solutions.

Research Title: "Improved Filtration Materials for Water Treatment"

A Collaborative Research Initiative by

**WATER ANALYTICS AUSTRALIA
& SCHOOL OF CHEMICAL
ENGINEERING, UNSW**

WATER ANALYTICS
A U S T R A L I A



UNSW
SYDNEY

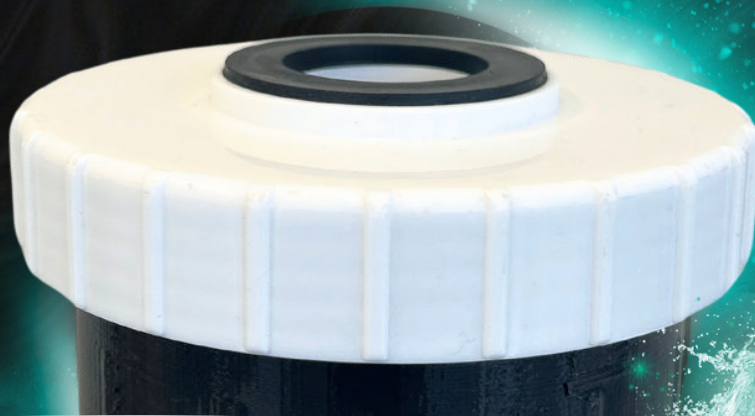
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Water Analytics Australia collaborated with the School of Chemical Engineering at UNSW Sydney to evaluate and enhance filtration materials for water treatment.



AUSTRALIAN MADE FILTER COMING SOON...



ENHANCED FILTER IMPROVEMENT WITH



FUTUREPURE

Your Next Filter is Always Our Best Yet.

PROTECTION

Compatible with all WAA existing POE customers



Introducing the WAA Australian Made Filter, coming soon! Proudly crafted with locally sourced materials and upholding the highest Australian standards. Our FuturePure Protection program ensures a better filter with every change, delivering superior quality, stringent safety, and sustainability. Stay tuned for the launch of this exceptional product.

TRUSTED NAME IN THE WATER INDUSTRY

COMPONENTS BREAKDOWN OF THE WAA WHOLE HOUSE WATER FILTRATION SYSTEM

FHWR-3S1-20



Easy Installation Clip (Cover)

- No screws needed for hassle-free 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 cost

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

Stainless Steel and Glass Gauge

- Designed for longevity
- Equipped with UV protection and anti-corrosion 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

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 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

USRO-3S1-2W (Optional)



Stage 4



PFAs



Fluoride



TDS

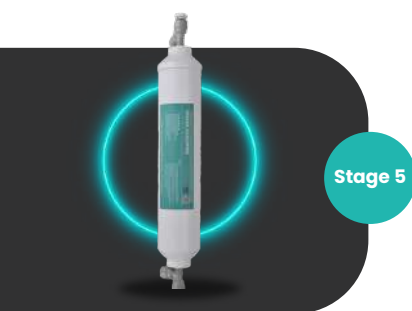


Radium



Barium

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.**



Stage 5



Taste



Smells



Polishing

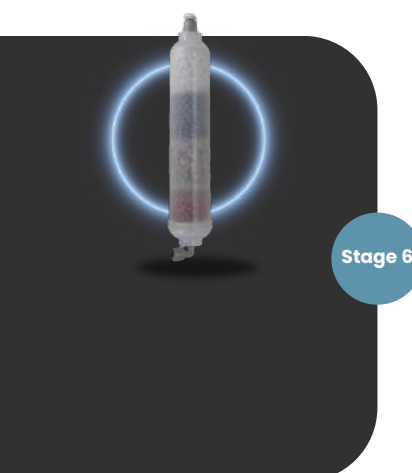


Cooking



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.**



Stage 6

Small Molecular 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.

Maifan Stone



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.

Antibacterial Balls



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

Alkaline Balls



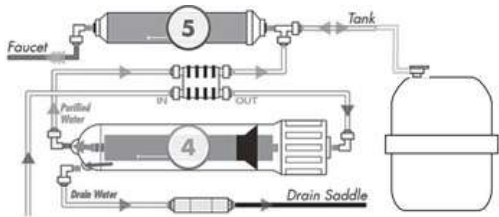
Effect: Alkaline balls are used to **adjust the pH level of the water, making it more alkaline**. This helps to neutralize acidic substances in the body and is sometimes considered to improve health.

TRUSTED NAME IN THE WATER INDUSTRY

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

Technical Data

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	Part 2: Under Sink 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%
 - Ibuprofen - 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%
 - PFAS - 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.