Zenith MicroPurity Water Filters

Installation Instructions

For 93701NZ, 93702NZ, 93703NZ, 93704NZ, 93705NZ, 93706NZ filters

Read These Warnings First

- Designed for indoor use only – do not expose filters to the elements of nature.
- Do not install where exposed to direct sunlight or temperatures <2°C or >38°C.
- Must be installed with service isolating valve and double non-return valve.
- Minimum safe operating water pressure is 70 kPa, maximum 875 kPa.
- Must be installed with pressure reduction valve if pressure exceeds 700 kPa.
- Do not install where water quality is unknown or microbiologically unsafe.
- After periods of non-use thoroughly flush the filter by dispensing water.
- For safety's sake, replace all filter cartridges at intervals of 12 months or less.
- Replace any filter if water flow slows or if unpleasant tastes or odours occur.

WARNING

To reduce the risk associated with the ingestion of contaminants:

- AS 3497: 2021 requires dual backflow prevention and certified pressure control device to be installed prior to filter system(s) that are plumbed into mains water supply. Failure to do so will not only void all warranty(s) on the filter system(s), but will put the home at risk of flooding in the event of damaged appliances during pressure surges.

To reduce the risk associated with hazardous voltage due to an installer drilling through existing electric wiring or water pipes in the area of installation:

- Do not install near electric wiring or piping which may be in path of a drilling tool when selecting the position to mount the system bracket.
- For correct operation of this appliance, it is essential to observe the manufacturer's instructions.

CAUTION

To reduce the risk associated with property damage due to water leakage:

- Read and follow Use Instructions before installation and use of this system.
- Installation and use MUST comply with all state and local plumbing codes.
- Protect from freezing, remove filter cartridge when temperatures are expected to drop below 2°C (35°F).
- Do not install systems in areas where ambient temperatures may go above 38° C.
- Install on cold water lines only. Do not install on hot water supply lines. The maximum operating water temperature of this system is 38°C (100°F).
- If water pressure exceeds 700 kPa, you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- Do not install where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- A backflow prevention device shall be installed in accordance with the Plumbing Code of Australia.
- Do not use a gas torch or other high temperature sources near system, cartridges, plastic fittings or plastic plumbing.
- Do not install in direct sunlight or outdoors.
- When selecting the position to mount the bracket do not install near water pipes which will be in path of a drilling tool.
- Mount system in such a position as to prevent it from being struck by other items used in the area of installation.
- Ensure that the location and fasteners will support the weight of the system when installed and full of water.
- Ensure all tubing and fittings are secure and free of leaks.

Read These Warnings First

- Do not install using rigid piping. System intended for use with plastic water lines (such as PEX tubing, PE tubing, PP tubing).
- The disposable filter cartridge MUST be replaced every 12 months, at the rated capacity or sooner if a noticeable reduction in flow rate occurs. This instruction is for the replacement of the filter in the Zenith HydroTap product where the filter is mounted internally. Ensure you are familiar with the Zenith Hydrotap operating instrutions to undertand how to access your internal filter.
- Do not use with water that is microbiologically unsafe or with Water of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

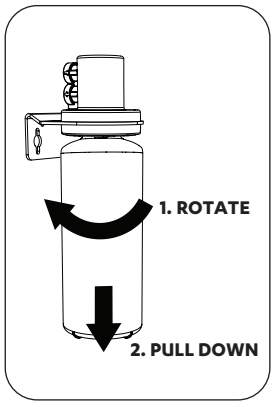
How to Replace the Internal Filter Cartridge

In preparation for your filter flushing, ensure you have a 10 litre container available.

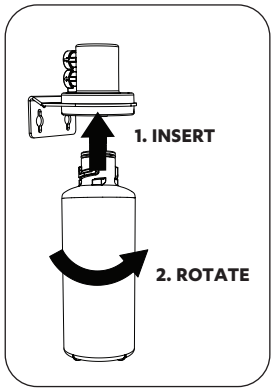
Some water may drip from the filter head (socket) during replacement. Keep a towel handy to dry up any drips.

FILTER CARTRIDGE REPLACEMENT

REMOVE FILTER



INSERT FILTER



To Change the Filter:

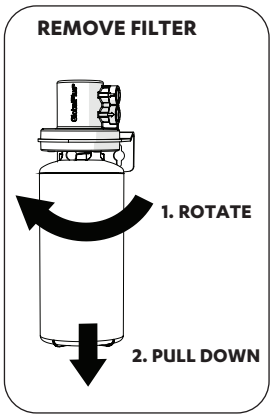
1. Go to filter flush in the menu, this isolates the water supply. Variations apply depending on the product. Refer to individual instruction.
2. Relieve system pressure via the filter flush stop cock if provided, a quick open and close will do. Use the bucket to catch the discharge.
3. Grasp filter cartridge, rotate the cartridge a quarter turn to the left and gently pull down.

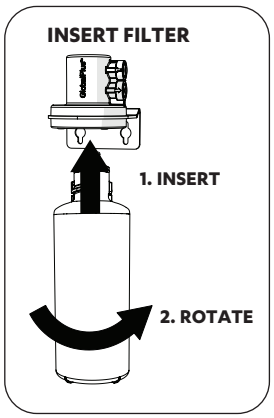
Caution: a small amount of water will drip as the cartridge is removed.

4. Do not tilt the cartridge as water may spill from it if tilted.
5. Unpack replacement cartridge, write today's date where shown on the label and remove the sanitary cap.
6. Avoid touching the filter O-rings and filter opening as this may cause bacterial contamination of the cartridge.
7. Push the new cartridge in and up into the filter head.
8. Turn the cartridge a quarter turn to the right until the cartridge comes to complete stop and is locked into position.
9. Locate the filter flush hose (if provided) situated behind the filter cartridge and direct the hose into a container ready for flushing. Open the filter flush stop-cock. On the menu press Adjust or Start, this will start the water flow, flushing the cartridge. Allow at least 10 litres of water through the cartridge of 93701NZ, 93702NZ, 93703NZ, 93704NZ, and 93705NZ before use, and allow at least 30 litres of water through the cartridge of 93706NZ before use to activate the filter. Isolate the filter flush stop-cock and re-fit behind the filter cartridge. Now stop filter flush or press filter flush off to stop the flow.
10. Wipe up any spills and dispose of spent filter cartridge and packaging thoughtfully.
11. If your unit is a G4 HydroTap with a touch screen. Go to Menu >Install>Filter Reset >reset internal filter.
12. If your unit is a G5 HydroTap, press upper internal or external filter button then press lower button to confirm. Select internal/external filter and edit the filter life (months or litres) and actual usage (days or litres).
13. Close the door to secure the appliance.

How to Replace the External Filter Cartridge

FILTER CARTRIDGE REPLACEMENT





This instruction is for the replacement of the filter in product where the filter is mounted externally. Variations apply depending on the product. Refer to individual instructions.

In preparation for your filter activation/flushing, ensure you have a 10 litre container available.

Some water may drip from the filter head (socket) during replacement. Keep a towel handy to dry up any drips.

To Change the Filter:

1. Shut off the main water supply isolation valve at the wall.
2. Grasp filter cartridge and twist right to left one quarter turn until it stops.
3. Ease cartridge downwards to detach it from the filter head (socket).

Caution: A small amount of water will drip as the cartridge is removed.

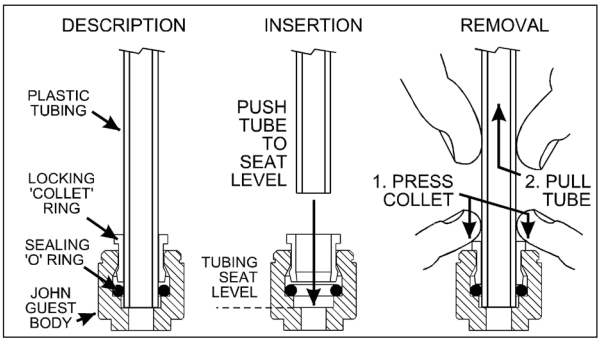
4. Do not tilt the cartridge as water may spill.
5. Unpack the replacement cartridge, remove the sanitary cap and write today's date where shown on the label.
6. Avoid touching the filter "O" rings and filter opening as this may cause bacterial contamination of the cartridge.
7. Align the filter cartridge.
8. Slide the cartridge upward into the head and rotate from left to right until filter locks into place.
9. Re-open the main water supply isolation valve at the wall.
10. To activate the cartridge, if connected to a filter tap, run water by opening the tap until approximately 10 litres of water has passed through the filter except for 93706NZ filter. For 93706NZ filter cartridge, run water by opening the tap until approximately 30 litres of water has passed through the filter. (for other combined products see warning below)
11. Wipe up any spills and dispose of the spent filter cartridge and packaging thoughtfully.

Warning: If the filter is external to a boiling water, chilled water or combined boiling and chilled water dispensing product, the hose that enters the dispensing product should be disconnected from the product and the filter activation/flush needs to be directed through this hose into a bucket to avoid flushed particles from entering into the storage tanks and valves.

Inserting & Removing Water Supply Lines from John Guest Fittings

General instructions for John Guest connections

NOTE: Ensure all John Guest tube ends are cut clean and square.



Other information

Important Notice

Read this data sheet to compare the capabilities to your actual water treatment needs before purchasing.

More Information

When the filter is fitted to an appliance, please refer to the appliance owner's guide for more product specific information and advice on how to avoid contamination from improper handling and installation.

Warranty

Zenith Water Filter cartridges are not covered by standard Zenith warranty as filter life may vary according to water quality and rate of use.

Filter Performance Data - 0.2 Micron

HEALTH CLAIM PERFORMANCE CERTIFIED BY NSF/ANSI

This system has been tested according to AS3497, NSF/ANSI Standards 42, 53 and 401 for the reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI Standard 42, 53 and 401.

93701NZ, 93702NZ, 93704NZ	NHMRC ADWG or USEPA SDWA MCL	Average Influent concentration	NSF/ANSI influent challenge concentration	% reduction reqt / Max. permissible product water concentration	Max effluent concentration	Minimum % reduction	Average % removal	Average effluent concentration
NSF/ANSI 42 - Aesthetic Effects								
Chlorine, Taste and Odor	0.6 mg/L	1.92 mg/L	2.0 mg/L ± 10%	≥ 50%	0.06 mg/L	96.8%	97.4%	0.05 mg/L
Nominal Particulate Reduction, Class I (≥ 0.5 µm to < 1 µm)	-	9,200,000 particles/mL	at least 10,000 particles/mL	≥ 85%	190,000 particles/mL	98.2%	99.0%	96,167 particles/mL
NSF/ANSI 53 - Health Effects								
Cysts (3.00 ± 0.15 µm particles)	99.5% reduction	125,000 microspheres/L	minimum 50,000 microspheres/L	≥ 99.95%	8 microspheres/L	99.99%	99.99%	8 microspheres/L
Lead (at 6.5 pH)	-	0.155 mg/L	0.15 mg/L ± 10%	0.005 mg/L	0.0015 mg/L	99.0%	99.8%	0.0003 mg/L
Lead (at 8.5 pH)	-	0.162 mg/L	0.15 mg/L ± 10%	0.005 mg/L	0.0019 mg/L	98.7%	99.6%	0.0006 mg/L
Asbestos	7 MFL	20,144,750 fibers/L	10^7 to 10^8 fibers/L (10 - 100 MFL)	≥ 99%	650 fibers/L	99.99%	99.99%	157 fibers/L
Total PFAS (Only applied to 93701NZ and 93702NZ cartridges)	0.02 ug/L	2.190 µg/L	2.16 ± 20% µg/L	0.02 µg/L	0.019 µg/L	99.12%	99.43%	0.012 µg/L
NSF/ANSI 401 -Emerging Compounds/Incidental Contaminants								
Microplastics, particles 0.5 to < 1 µm	-	9,200,000 particles/mL	at least 10,000 particles/mL	≥ 85%	190,000 particles/mL	98.2%	99.0%	96,167 particles/mL

*Pressure = 60 psig ± 3; pH = 7.5 ± 0.5; temp. = 20° ± 3°C *United States Environmental Protection Agency (USEPA) Safe Drinking Water Act / New Zealand Ministry of Health Drinking-water Standards for New Zealand

Category	Treatment Type	Function	Pass
I	Microbiological Status	Will stop bacteria increasing, but will not remove unless II (a) is passed.	✓
II II (a)	Microbiological Treatment Bacteria Removal	Will remove or inactivate bacteria.	N/A
II (b)	Virus Removal	Will remove or inactivate virus.	N/A
II (c)	Protozoa Removal	Cyptosporidium and Giardia. Will not remove or inactivate bactieria unless II (a) and II (b) are passed.	✓
III	Particulate Reduction	Reduces cloudiness.	✓
IV	Taste and Odour Reduction	Reduces tastes and odours.	✓
V	Chemical Treatment	Decreases certain chemicals: - Chlorine - Lead - Total PFAS (Only applied to 93701NZ and 93702NZ cartridges)	✓

Legend: = ✓Pass N/A = Not Applicable

This 93701NZ, 93702NZ and 93704NZ cartridge is certified by IAPMO R&T in PS-Zenith 0.2 micron system against NSF/ANSI Standard 42, 53 and 401 for the reduction of:

STANDARD NO. 42 – AESTHETIC EFFECTS

Bacteriostatic Effects
Chemical Reduction Unit
Taste and Odour Reduction
Chlorine Reduction
Mechanical Filtration Unit
Nominal Particulate Reduction, Class I

STANDARD NO. 53 – HEALTH EFFECTS

Chemical Reduction Unit
Lead Reduction
Total PFAS (Only applied to 93701NZ and 93702NZ cartridges)

Mechanical Filtration Unit
Cyst Reduction
Asbestos

STANDARD NO. 401 – Emerging Compounds/Incidental Contaminants

Mechanical Filtration
Microplastics

* The term "bacteriostatic" indicates that the system limits the passage or growth of bacteria that may already exist in the incoming water. It does not mean that water leaving the system is safer to drink than water entering the system.

WM-022963
AS 3497

WRAS APPROVED PRODUCT
CERTIFICATION MARK
WRAS approved for cold water use only.

OPERATING SPECIFICATIONS

- Pressure requirement: 10 -125 psi (0.7 - 8.62 bar), non-shock
- Temperature: 35 -100°F (2-38°C)

Model	Flow Rate	Capacity	Kit #
0.2mic MicroPurity Filter 1S	3.75 Lpm	4,100 L	93701NZ
0.2mic MicroPurity filter 1.5S	3.75 Lpm	5,500 L	93702NZ
0.2mic MicroPurity Filter 2S	5.678 Lpm	9,463 L	93704NZ

*Filter system certified by IAPMO R&T against NSF 42, 53 and 401; against NSF 372 for lead free product. Models 93701NZ and 93702NZ are certified against CSA B483.1

Zenith filter systems are designed for ease of installation. However, post-installation inspections are highly recommended. Check for leaks immediately after installation and once again after 24 hours. If leaks are detected, turn off water supply, drain water and inspect the leaks. If problem persists, contact the installer / plumber for rectification.

It is essential that operational, maintenance and filter replacement requirements be carried out for this product to perform as advertised.

Flush new cartridge for 10L or at least 2 min 40 seconds to remove trapped air bubbles.

If left unused for more than 48 hours, flush cartridge for 10L or at least 2 min 40 seconds before use.

The compounds certified under NSF/ANSI 401 have been deemed as 'incidental contaminants / emerging compounds'. Incidental contaminants are those compounds that have been detected in drinking water supplies at trace levels.While occurring at only trace levels, these compounds can affect the public acceptance/perception of drinking water quality.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Filter Performance Data - 3 Micron

HEALTH CLAIM PERFORMANCE CERTIFIED BY NSF/ANSI

This system has been tested according to AS3497, NSF/ANSI 42 for the reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI Standard 42.

93703NZ, 93705NZ	NHMRC ADWG or USEPA SDWA MCL	Average Influent concentration	NSF/ANSI influent challenge concentration	% reduction reqt / Max. permissible product water concentration	Max effluent concentration	Minimum % reduction	Average % removal	Average effluent concentration
NSF/ANSI 42 - Aesthetic Effects								
Chlorine, Taste and Odor	0.6 mg/L	2.16 mg/L	2.0 mg/L ± 10%	≥ 50%	0.05 mg/L	97.7%	99.2%	0.02 mg/L
Nominal Particulate Reduction, Class II (1 µm to < 5 µm)	-	4,200,000 particles/mL	at least 10,000 particles/mL	≥ 85%	270,000 particles/mL	93.7%	97.7%	95,167 particles/mL

*Pressure = 60 psig ± 3; pH = 7.5 ± 0.5; temp. = 20° ± 3°C ǂUnited States Environmental Protection Agency (USEPA) Safe Drinking Water Act / New Zealand Ministry of Health Drinking-water Standards for New Zealand

Category	Treatment Type	Function	Pass
I	Microbiological Status	Will stop bacteria increasing, but will not remove unless II (a) is passed.	✓
II II (a)	Microbiological Treatment Bacteria Removal	Will remove or inactivate bacteria.	N/A
II (b)	Virus Removal	Will remove or inactivate virus.	N/A
II (c)	Protozoa Removal	Cyptosporidium and Giardia. Will not remove or inactivate bactieria unless II (a) and II (b) are passed.	N/A
III	Particulate Reduction	Reduces cloudiness.	✓
IV	Taste and Odour Reduction	Reduces tastes and odours.	✓
V	Chemical Treatment	Decreases certain chemicals: - Chlorine	✓

Legend: = ✓Pass N/A = Not Applicable

This 93703NZ and 93705NZ cartridge is certified by IAPMO R&T in PS-Zenith 3 micron system against NSF/ANSI Standard 42 for the reduction of:

STANDARD NO. 42 – AESTHETIC EFFECTS

Bacteriostatic Effects

Chemical Reduction Unit

Taste and Odour Reduction

Chlorine Reduction

Mechanical Filtration Unit

Nominal Particulate Reduction, Class II

* The term "bacteriostatic" indicates that the system limits the passage or growth of bacteria that may already exist in the incoming water. It does not mean that water leaving the system is safer to drink than water entering the system.

WM-022963 AS 3497

WRAS APPROVED PRODUCT CERTIFICATION MARK WRAS approved for cold water use only.

UPC

IAPMO R&T WATER QUALITY PLATINUM SEAL IAPMO RESEARCH AND TESTING

*Filter system certified by IAPMO R&T against NSF 42; against NSF 372 for lead free product.

OPERATING SPECIFICATIONS

- Pressure requirement: 10 -125 psi (0.7 - 8.62 bar), non-shock
- Temperature: 35 -100°F (2-38°C)

Model	Flow Rate	Capacity	Kit #
3mic MicroPurity filter 1.5S	3.75 Lpm	13,248 L	93703NZ
3mic MicroPurity Filter 2S	5.678 Lpm	17,034 L	93705NZ

Zenith filter systems are designed for ease of installation. However, post-installation inspections are highly recommended. Check for leaks immediately after installation and once again after 24 hours. If leaks are detected, turn off water supply, drain water and inspect the leaks. If problem persists, contact the installer / plumber for rectification.

It is essential that operational, maintenance and filter replacement requirements be carried out for this product to perform as advertised.

Flush new cartridge for 10L or at least 2 min 40 seconds to remove trapped air bubbles.

If left unused for more than 48 hours, flush cartridge for 10L or at least 2 min 40 seconds before use.

The compounds certified under NSF/ANSI 401 have been deemed as 'incidental contaminants / emerging compounds'. Incidental contaminants are those compounds that have been detected in drinking water supplies at trace levels.While occurring at only trace levels, these compounds can affect the public acceptance/perception of drinking water quality.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Filter Performance Data - Carbon Free

HEALTH CLAIM PERFORMANCE CERTIFIED BY NSF/ANSI

This system has been tested according to AS3497, NSF/ANSI Standards 42, 53 and 401 for the reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI Standards 42, 53 and 401.

93706NZ	NHMRC ADWG or USEPA SDWA MCL	Average Influent concentration	NSF/ANSI influent challenge concentration	% reduction reqt / Max. permissible product water concentration	Max effluent concentration	Minimum % reduction	Average % removal	Average effluent concentration
NSF/ANSI 42 - Aesthetic Effects								
Nominal Particulate Reduction, Class I (≥ 0.5 µm to < 1 µm)	-	17,033,333 particles/mL	at least 10,000 particles/mL	≥ 85%	96,000 particles/mL	99.35%	99.66%	58,333 particles/mL
NSF/ANSI 53 - Health Effects								
Cysts (3.00 ± 0.15 µm particles)	99.5% reduction	90000 microspheres/L	minimum 50,000 microspheres/L	≥ 99.95%	1.0 microspheres/L	99.99%	99.99%	1.0 microspheres/L
Asbestos	7 MFL	20,000,000 fibers/L	10^7 to 10^8 fibers/L (10 - 100 MFL)	≥ 99%	< 1.0 fibers/L	> 99.99%	> 99.99%	< 1.0 fibers/L
NSF/ANSI 401 -Emerging Compounds/Incidental Contaminants								
Microplastics, particles 0.5 to < 1 µm	-	17,033,333 particles/mL	at least 10,000 particles/mL	≥ 85%	96,000 particles/mL	99.30%	99.66%	58,333 particles/mL

*Pressure = 60 psig ± 3; pH = 7.5 ± 0.5; temp. = 20° ± 3°C *United States Environmental Protection Agency (USEPA) Safe Drinking Water Act / New Zealand Ministry of Health Drinking-water Standards for New Zealand

Category	Treatment Type	Function	Pass
I	Microbiological Status	Will stop bacteria increasing, but will not remove unless II (a) is passed.	✓
II II (a)	Microbiological Treatment Bacteria Removal	Will remove or inactivate bacteria.	N/A
II (b)	Virus Removal	Will remove or inactivate virus.	N/A
II (c)	Protozoa Removal	Cyptosporidium and Giardia. Will not remove or inactivate bactieria unless II (a) and II (b) are passed.	✓
III	Particulate Reduction	Reduces cloudiness.	✓
IV	Taste and Odour Reduction	Reduces tastes and odours.	N/A
V	Chemical Treatment	Decreases certain chemicals: - Lead	N/A

Legend: = ✓Pass N/A = Not Applicable

This 93706NZ cartridge is certified by IAPMO R&T in PS-Zenith 0.2 micron system against NSF/ANSI Standard 42, 53 and 401 for the reduction of:

STANDARD NO. 42 – AESTHETIC EFFECTS

Bacteriostatic Effects

Mechanical Filtration Unit

Nominal Particulate Reduction, Class I

STANDARD NO. 53 – HEALTH EFFECTS

Mechanical Filtration Unit

Cyst Reduction

Asbestos

STANDARD NO. 401 – Emerging Compounds/Incidental Contaminants

Mechanical Filtration

Microplastics

* The term "bacteriostatic" indicates that the system limits the passage or growth of bacteria that may already exist in the incoming water. It does not mean that water leaving the system is safer to drink than water entering the system.

OPERATING SPECIFICATIONS

- Pressure requirement: 10 -125 psi (0.7 - 8.62 bar), non-shock
- Temperature: 35 -100°F (2-38°C)

Model	Flow Rate	Kit #
0.2mic MicroPurity Filter 1.5S	5.678 Lpm	93706NZ

WM-022963 AS 3497

WRAS APPROVED PRODUCT CERTIFICATION MARK WRAS approved for cold water use only.

IAPMO R&T WATER QUALITY PLATINUM SEAL IAPMO RESEARCH AND TESTING

**Filter system certified by IAPMO R&T against NSF 42; against NSF 372 for lead free product. Certified against CSA B483.1.

Zenith filter systems are designed for ease of installation. However, post-installation inspections are highly recommended. Check for leaks immediately after installation and once again after 24 hours. If leaks are detected, turn off water supply, drain water and inspect the leaks. If problem persists, contact the installer / plumber for rectification.

It is essential that operational, maintenance and filter replacement requirements be carried out for this product to perform as advertised.

Flush new cartridge for at least 6 minutes to remove trapped air bubbles.

If left unused for more than 48 hours, flush cartridge for 2 minutes before use.

The compounds certified under NSF/ANSI 401 have been deemed as 'incidental contaminants / emerging compounds'. Incidental contaminants are those compounds that have been detected in drinking water supplies at trace levels.While occurring at only trace levels, these compounds can affect the public acceptance/perception of drinking water quality.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Refer to User Guide for operation and maintenance.

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Paragon Water Systems

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AS 3497

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CERTIFICATION MARK
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As Zenith policy is one of continuous product improvement, changes to specifications may be made without prior notice. Images in this booklet have been modified and may not be true representations of the finished goods.

Manufactured by Paragon Water Systems.