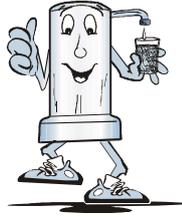


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Urban Whole House Purification

October 2018

The human body is around 70 % water so the water we consume and bathe in can make a huge difference to our health. We spend large amounts of money buying gym memberships, exercise equipment, vitamin and mineral supplements etc, so doesn't it make sense to make a one off investment to remove harmful chemicals and metals from the water we consume and bath in. Research has shown we can absorb as much chlorine through our skin in a 5 minute shower as in drinking 8 glasses of water. Our skin is actually the bodies largest organ so we need to keep it healthy too. Try watering your vege patch with filtered water too,- the plants love not having chlorine as it affects the natural soil bacteria which release nutrients to the plants! Purifying the water into the house just makes sense. Clean, chemical free water in the kitchen, bathroom and even when washing clothes, for an ongoing investment of only around \$2.50 per week has to be a great investment.

How do we achieve this?

Whole House purification systems require the installation of an 'Activated Carbon' filter at the point of entry to the house. Activated carbon has been used for centuries and is very effective at removing Chlorine, organic chemicals such as pesticides and herbicides, sediment, algae, PCB's from plastic pipe and bad odour and taste. Filters with KDF added also reduce metals such as Lead, nickel, cadmium (which can leach from older water pipes) as well as aluminium sulphate which is used at the water treatment plant.

The two ways to install 'Whole House Activated Carbon Purifiers' are:

- * Replaceable cartridges
- * Loose back-washable Carbon.

Replaceable Cartridge Systems

These systems are the most common because they are generally easy to set up and maintain. You can service these systems yourself or we can do it for you.

We recommend using a sediment filter before the activated carbon cartridge to remove fine dirt and sediment to protect the carbon cartridge from pre mature clogging of the working pores.

Water flow rates into the house are not noticeably any different than before installation of the systems so you can enjoy purified water, as nature intended, at any tap throughout the house.

Glossary of terms

GAC	Granulated Activated Carbon. Granulated media used for removing organics, chemicals and taste. All water purifiers use activated carbon.
KDF	Media used for removal of chlorine and a range of metals from water.
THM's	Short for Trihalomethanes which are chemical chains caused by the reaction of chlorine in the presence of organic material and are known to be cancer causing.
CTO	Term used to refer to 'Chlorine, Taste and Odour' reduction

1) Small House / Bach (single bathroom and water flows up to 15 litres per minute)

10" Jumbo (Big) housings

Housing Height 350mm
 Duel Housing Width 450mm
 Max Recommended Flow# 15 litres / Minute
 Cartridge life (Approx) 130,000 litres (or 12 months)

Only \$500.00

Upgrade to include heavy metal reduction, add \$25.00 = \$ 525.00)

Upgrade to third filter casing with KDF and CTO cartridge = \$700.00
 (Steel Bracket. With triple rust free bracket is \$770.00)

Replacement cartridges

Pre filter \$35.00
 Carbon CTO cartridge \$ 79.00
 KDF cartridge \$ 120.00

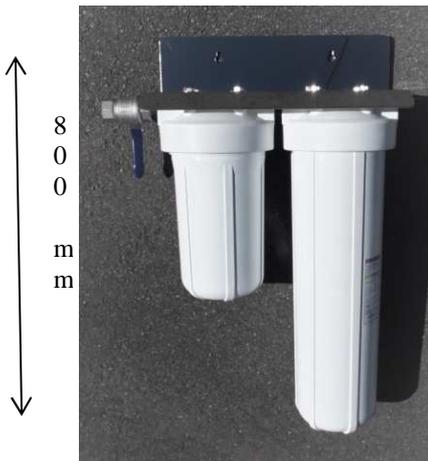


2a) Medium Sized House (Up to 3 bathrooms and water flows up to 25 litres per minute)

By increasing the size of the cartridge from 10 inch to 20 inch we effectively triple the system performance, - greater surface area means better water flow and greater removal of contaminants. Choice of 10 or 20 inch pre filter depending on likely sediment present in the water.

Housing Height 630mm
 Housing Width 450mm
 Max Rec Flow# 25 litres / Minute
 Cartridge life (Approx) 265,000 litres (or up to 18 months)

10 inch pre filter and 20" Jumbo CTO or KDF cartridge
 .Mounted on a double Stainless steel bracket. Only **\$ 590.00**
 (Replacement cartridges \$190.00 per set)

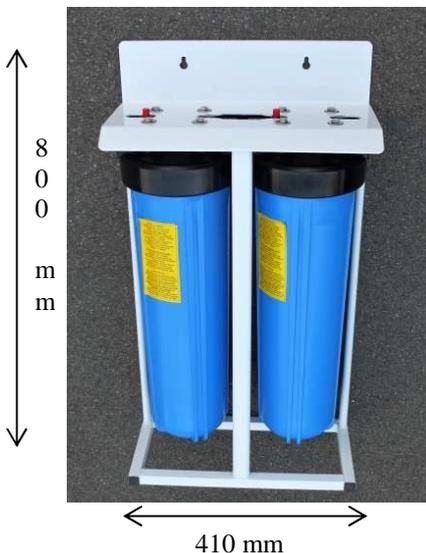


2b) Medium Sized House (Up to 3 bathrooms and water flows up to 25 litres per minute)

20 inch pre filter for greater sediment removal in areas with high sediment and 20" Jumbo CTO or KDF cartridge

Powder Coated Bracket **\$ 630.00**
 Stainless Steel Bracket **\$ 700.00**

(Replacement cartridges \$220.00 per set)



PRO SERIES WHOLE HOUSE PURIFICATION

The AquaTech 3 stage filtration system is the ultimate Compact Whole House Filtration System. NSF certified filter casings and cartridge media and fitted with oil filled pressure gauges to show when filter need replacing. Comes standard with an attractive rust proof ABS cover to keep it all neat and tidy.

The three stage filter system removes all sediment down to 5 microns (1 micron option available), KDF heavy metal removal cartridge and CTO carbon block chemical removal cartridge. This system has a similar performance to the 20 inch system in option 2 above, but with a smaller, compact size.

Options also available to replace the third cartridge with another media such as a water neutralizer media to give alkaline water

Now you can have the best water purifier system to remove contaminants from your house hold supply giving you clean, chemical free water to your kitchen, bathroom taps, shower and bath.

3) 10 inch BB3 Pro system with cover

Includes oil filled pressure gauges and ABS plastic cover

Suitable for medium sized homes with up to 2 bathrooms / showers

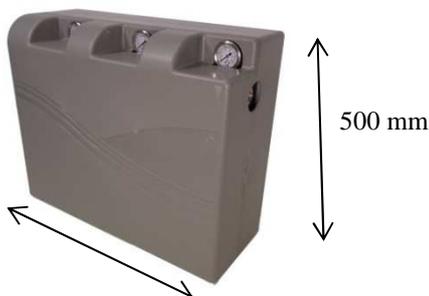
- | | |
|---|---|
| 1 st Stage | Polyester spun sediment cartridge to remove dirt and sediment |
| 2 nd & 3 rd Stage | KDF and GAC filter to remove metals such as lead, aluminium, nickel, cadmium, etc as well as chlorine and chemicals |
| 4 th Stage | Carbon block to remove chemicals, taste and odour not already removed by the previous stage. (Other options available too. See below) |



Made with Pride
in Taiwan

Sold elsewhere for up to \$1800.00

Our Price Only \$999.00



620 mm

Optional extras

- Replace the carbon cartridge with a water softening resin cartridge. Add \$30.00.
- Replace the carbon filter with a water neutralizer to provide more alkaline water Add \$20.00
- Replace the carbon filter with a Fluoride reduction cartridge Add \$ 150.00
- Rust proof aluminium frame Add \$ 150.00
- Water Ionizer - Magnetic Ionizer Softens the water and potentially reduces scale Add \$ 250.00

5) 20 inch BB3 Pro system

Options Includes oil filled pressure gauges and ABS plastic cover

Suitable for medium to large sized homes with up to 4 bathrooms / showers. Filters are double the size of the 10 inch systems so allows for greater water flows with multiple taps open at the same time or in high water use situations.

- 1st Stage Polyester spun sediment cartridge to remove dirt and sediment
- 2nd Stage Carbon block to remove chemicals, taste and odour
- 3rd Stage KDF and GAC filter to remove metals such as lead, aluminium, nickel, cadmium, etc as well as chlorine and chemicals not already removed by the previous stage. (Other options available too. See below)

Only \$ 999.00 Standard frame (without pressure gauges)

Optional extras

- Pro Series Pressure gauges add \$150.00 for three
- Water Ionizer - Softens the water and reduces scale Add \$250.00
- Replace the carbon filter with a water neutralizer to provide more alkaline water Add \$40.00
- Replace the carbon filter with a Fluoride removal cartridge Add \$230.00
- Water softener resin cartridges? Please talk with us.
- Rust proof powder coated aluminum top mount bracket Add \$70.00
- Rust proof full aluminium frame + plastic cover as with the 10 inch Pro series. Add \$ 200.00

Replacement cartridges

Pre filter \$50.00 Carbon CTO cartridge \$ 160.00 KDF cartridge \$ 190.00

Package price for all three less 20%

Notes.

1) *Maximum flow rate refers to the maximum recommended speed through the filter for the water to be purified well. It does NOT mean the water is physically restricted to this speed, but some of the chemicals may pass through the filter cartridge due to passing the active media too quickly to be adsorbed.*

2) *All Filter casings have a maximum pressure rating of 80 psi or 560 kpa. A pressure limiting valve must be installed if there is not already one installed in the water supply line. All newer house do have these as a standard feature, but some older homes will not. These are priced at \$150.00.*

Frequently Asked Questions

Will it reduce water pressure in the house?

A correctly sized system will not reduce pressure or flow until the filter cartridge block with sediment. A pressure limiting valve will need to be installed if not already present, so this may reduce your current pressure, but not flow.



How much should I pay for installation?

It varies because properties are always set up differently. The cost is usually between \$250-500 depending on what is required and whether a pressure limiting valve is already installed to limit high water pressure.

What are the benefits of having our system compared to other products?

Our systems are high quality and backed up by a local company which has been trading for over 20 years, so we know what we are doing and will still be here to help you if you have any problems, unlike other web based companies without show rooms who can close down at any time. We have a retail shop and have on road service people who guarantee satisfaction,- our business relies on your return business and you referring us to your friends!

What is the warranty?

Our Whole-House Systems comes with a full 3 year warranty that covers the whole system against manufacturer's defects or failure. Filter cartridges are consumable and thus covered on a Pro Rata use basis. We believe our products represent the best value to total home water treatment.

What are the running costs of the residential system?

As a ball park you are looking at annual charges of \$130.00 for the 10 inch system and \$210.00 for the 20 inch system. Prices will vary a little depending on which cartridges are installed. (plus a \$50.00 service fee if we call and do the work for you).

Will the system prevent skin diseases like dermatitis and eczema?

Yes these systems will greatly reduce irritable skin conditions caused by eczema, dermatitis and allergies so bathing in purified water are advised for people with sensitive skin. (Research shows we can absorb as much chlorine in a 5 minute shower as drinking 8 glasses of water).

Does it remove all the chlorine and heavy metals?

Almost, single cartridge units will remove up to 99% of the Chlorine, THM's and other nasty by-products of chlorine sterilization. KDF cartridges also reduce many heavy metals such as Aluminium, cadmium, copper, iron, nickel, zinc, lead & chromium. Removal rates will depend on cartridge age and water flow speed through the filter cartridges. Triple casing systems do offer superior performance.

Does it remove fluoride?

Fluoride is very difficult to remove despite some other companies claiming to remove it. We do not claim to remove fluoride as the amount removed is insignificant. We can add fluoride removal resin for this purpose into the third stage of a triple stage system, but there are problems with this option. We recommend fluoride removal at the kitchen sink instead and have various options to achieve this. Please ask if fluoride is something you do wish to remove.

Does it remove the beneficial minerals?

No, Minerals will not be removed by the filters. The system only removes sediment, chemicals and metals.

6) Larger Houses & Commercial buildings Back-Washable High Flow Carbon Systems

These systems are the ultimate method for removal of chemicals for larger homes and industrial installations as they allow better performance at high water flows. They use a fibreglass casing with refillable, loose activated carbon granules. The loose carbon is normally backwashed (water is reversed through the filter) once per week or so, to remove any collected dirt and sediment and to enhance the active life of the media. This back washing can be done either manually or by automatic timer. The automatic option does require a standard 3 pin power plug to operate the timer. Different tank sizes are available depending on the required flow rate.

The 20 inch Jumbo carbon cartridge in option 2 above contains just under 3 kg of carbon so the 844 sized system below will triple the chemical removal performance compared to a cartridge system at higher water flow rates.

<u>Model</u>	<u>Flow rate</u> (Litres per Minute)	<u>Weight of</u> <u>Carbon Media</u>	<u>Capacity</u> (Litres)	<u>Price</u> Excludes GST	<u>Price</u> Includes GST
717 manual	up to 20 l/ min	3 kg		\$ 475.00	\$ 546.00
717 no backwash		3 kg		\$ 325.00	\$ 370.00
735 Manual	up to 25 l/ min	6 kg	1.5 million	\$ 659.00	\$ 759.00
844 / 935 Manual	up to 30 l/ min	10 kg	4 million	\$ 739.00	\$ 850.00
844 Automatic -Budget	up to 30 l/ min	10 kg		\$ 1054.00	\$ 1220.00
844 Automatic -263 head	up to 30 l/ min	10 kg		\$ 1235.25	\$ 1420.00
1054 Manual	up to 40 l/ min	18 kg	5 million	\$ 857.00	\$ 985.00
1054 Automatic	up to 40 l/ min	18 kg		\$ 1280.00	\$ 1472.00
1252 Manual	up to 60 l/ min	25 kg	7 million	\$ 1130.00	\$ 1299.00
1252 Automatic	up to 60 l/ min	25 kg		\$ 1502.00	\$ 1730.00

Replacement carbon is priced at \$20.00 per Kg.



844 tank with manual backwash head



717 manual system



717 tank on left side of a 844 tank with a manual backwash head