

Kapiti Pure Water

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Wellington Water Filters

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Fluoride Removal System Options

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Standard water purifiers using Activated Carbon or KDF will not remove dissolved minerals such as fluoride, calcium, magnesium, etc. To remove fluoride, one of the following options must be installed.

1. Reverse Osmosis
2. Activated Alumina cartridge (AAL)
3. Fluor EX Max cartridge
4. Distillation

1. Reverse Osmosis

Reverse Osmosis provides superior quality water and works on a principal of passing water over a semi permeable membrane. The water passes through the membrane while all chemicals and contaminants are washed down the sink drain. The water produced by these systems is near pure and similar to distilled water in content. They are normally installed as an undersink system although some people do have them as portable systems installed in the Laundry. As the delivery of pure water is fairly slow at 3 to 5 litres per hour, they usually use a water storage tank to store the purified water ready for use.

Pricing	4 Stage Under bench System	From \$599.00 - \$ 649.00 + installation
	Replacement cartridges	Average cost \$ 55-85.00 (every 12 months depending on situation)
	Membrane	\$ 135.00 (every 2-5 years)



4 Stage Under sink RO system



Portable RO set up in a laundry.
No storage tank is used in this setup.
Priced \$ 399.00 to \$545.00

2) Budget AA10- GAC systems



Using a single casing the cartridge contains Actival for removing Fluoride as well as activated carbon to remove Chemicals and taste. A simple economic method to remove both with a single casing. **Water Flow must be limited to 1.5 to 2 litres per minute to allow adequate contact time with the Actival media.** (20 micron nominal filtration)

Capacity:	Approx 2000 litres	
Pricing	Countertop System	\$ 224.00
	Under sink System	\$ 324.00 + installation
	Replacement cartridges AF10- GAC	\$ 95.00 every 2000 litres or 12 monthly

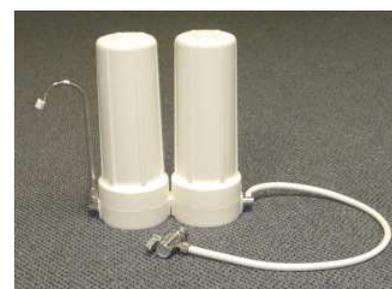
3) Twin Sump Actival (AAL) System

Using standard filter housings, we install two purifier cartridges. The first uses a material called Actival, a fluoride specific media for the sole purpose of removing the fluoride. The second housing contains a CBC cartridge with Activated Carbon to remove all chemicals and bad taste and odour from the water supply. 95 % Fluoride is removed for around 3000 litres at 2 litres per minute flow.

Pricing	Countertop System		\$ 270.00
	Under sink System		\$ 435.00 + installation
	Replacement cartridges	AAL	\$ 95.00 every 3-4000 litres
		CBC	\$ 70.00 every 12-18 months

Cartridges would typically be replaced every 12 to 18 months depending on use.

(All twin filter casing dimensions are 260 mm wide x 350 mm high x 120 mm deep)



4) Fluor Ex Max system

The Fluor Ex Max cartridge is an all natural, advanced fluoride removal media offering an alternative to the traditional Actival based cartridges.

Using modern Nano technology, an activated carbon molecule is bonded with a naturally occurring form of calcium. Due to its unique chemical properties, it has a high capacity to remove Fluoride as well as other negatively charged contaminants such as Arsenic or Lithium

Using standard filter housings, we install two purifier cartridges. The first housing contains a CBC cartridge with Activated Carbon to remove all chemicals and bad taste and odour from the water supply. The second housing contains the Fluor Ex Max Cartridge to remove the fluoride. Rated to 95% fluoride removal at 2 litres per minute flow.

Pricing	Countertop System		\$ 369.00
	Under sink System		\$ 499.00 + installation
	Replacement cartridges	Fluor Ex Max	\$ 140.00 every 2000 litres
		CBC	\$ 70.00 every 4000 litres

Optional extra for under sink models - Digital water metre to measure water use and indicate when the filter needs replacing add \$ 80.00

Cartridges would typically be replaced every 2000 litres or 12 to 18 months depending on use.
(All twin filter casing dimensions are 260 mm wide x 350 mm high x 120 mm deep)

5) Distillation

A water distiller will remove all chemicals, metals and minerals from the water supply. They work by boiling the water & collecting the steam which is then condensed back to pure water, leaving the minerals, metals and chemicals in the boiling chamber.

We recommend the Megahome brand which we have stocked since 1999 and have found the design to be simple and very reliable. 100 % of fluoride is removed.

Pricing	Megahome MH 943 distiller	\$ 340.00
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