



PURE
WATER SYSTEMS



HI-TECH OPTIMISER

The Pure Water Systems Hi-Tech Optimiser Cartridge is a new generation, TRIPLE ACTION Cartridge.

Specifically formulated to cope with and combat varying Australian water quality conditions, the Hi-Tech Optimiser offers superior benefits that you may not find with other standard carbon Cartridges.

Utilising a unique Electrostatic Outer Wrap, the Hi-Tech Optimiser successfully reduces or removes many contaminants and chemicals that may affect the taste and quality of your drinking water.

THE HEART OF THE FILTER

The effectiveness of any drinking water treatment device is measured by the performance of its Cartridge.

As a result of our ongoing development and quality improvement program, the Hi-Tech Optimiser has been developed exclusively for Pure Water Systems in conjunction with Multipure (USA), the pioneers in carbon block technology.

The 3 stage sub-micron Cartridge incorporates the very latest in carbon technologies that work in synergy with the patented newer style Electrostatic Wrap. The end result is filtration that sets performance standards that are superior in every way.

The performance of the Hi-Tech Optimiser Cartridge is supported by NSF certification, offering reliable protection for all of your family's drinking water needs.

KEY BENEFITS

- Healthier, great tasting water.
- Environmentally friendly and economical alternative.
- Unique 3 stage filtration for superior water quality.
- NSF Certified for greater peace of mind.
- Submicron Filtration.
- Exclusive to Pure Water Systems.

SUITABILITY



CHILLED



RESIDENTIAL



BUSINESS



TOWN WATER



TANK WATER



CONTACT US

1300 808 966

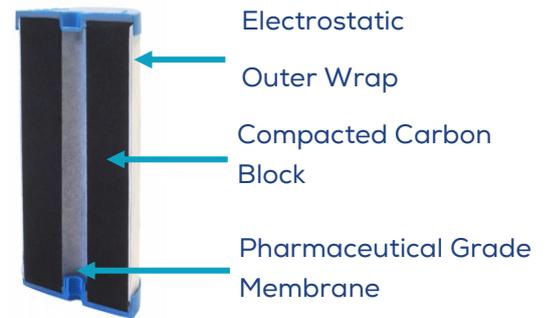
www.purewatersystems.com.au

Refer to Pure Water Systems website for our Pure Quality Customer Satisfaction Guarantee

How It Works

The Hi-Tech Optimiser Cartridge, manufactured by Multipure, has been formulated using materials that will provide the highest quality drinking water without removing the healthful, natural minerals.

As the water passes through the three stages of the Cartridge, three chemical processes take place, providing a quality of water not achievable from inferior cartridges on the market.



Electrostatic Outer Wrap

This is the first stage of filtration. The graded density Electrostatic Outer Wrap performs filtration in 2 ways:

- The first is by mechanically trapping dirt, sand, and other particles that affect the taste, odour, and overall appearance of your water.
- The second is by Electrokinetic Adsorption. The Electrostatic outer wrap gains a positive charge as water passes through it. Negatively charged contaminants, too small to be removed mechanically, are attracted to the positively charged outer wrap removing them from the water.

Compacted Carbon Block

After the water passes through the Electrostatic Outer Wrap it then passes through the highly compacted carbon block. Again contaminants are removed in two ways:

- Contaminants like Asbestos, cysts, and turbidity are reduced by mechanical means at the sub-micron level.
- Physical Adsorption also takes place in the carbon block. The carbon block of the Hi-Tech Optimiser Cartridge is formulated using a blend of activated carbons which are formed into a densely compacted carbon block. This provides a longer contact time ensuring the reduction of a wide range of contaminants that may be of concern and may be present in the water, including Chlorine, Chloramine, Chlordane, Lead, Mercury, MTBE, PCBs, Toxaphene, and VOCs (Volatile Organic Compounds).

Pharmaceutical Grade Membrane

The final stage of filtration occurs with the pharmaceutical grade post filter membrane. This provides strength to the carbon block and prevents carbon migration to the drinking water if the filter is damaged in any way.

Technical Stuff Explained

Mechanical Filtration - Contaminants are trapped inside of the carbon block because they are physically too large to fit through the holes in the carbon,

Electrokinetic Adsorption - Negatively charged contaminants are attracted to a positively charged surface,

Physical Adsorption - Adsorption is the adhesion of chemicals to a surface.

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