

# a-king

## Crown ST33 Nano Composite Filter Cartridge Enriched with Hydrogen 668-WHCRT

### Optimized Water Quality, Multiple Benefits



#### Magnesium-Based Hydrogen Generation

Negative-potential hydrogen-generation technology effectively helps metabolize free radicals.



#### High Permeability

50Hz small water molecule clusters are easily absorbed by the human body.



#### Far Infrared

Resonates with cells to enhance metabolism.



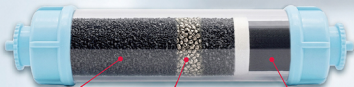
#### Mildly Alkaline Water

pH 8 mild water quality helps neutralize and balance the body.



### Filter Introduction

Using nano silver and magnesium-based hydrogen-generation technology, its antibacterial power is 200 times stronger than traditional silver-impregnated activated carbon. It provides long-lasting antibacterial performance while releasing hydrogen ions to comprehensively improve mouthfeel and optimize water quality.



**Front: Nano Silver Antibacterial Activated Carbon**  
Large contact area initially meets the water flow, quickly adsorbing odors and releasing silver ions for antibacterial protection.

**+** **Middle: Hydrogen-Generating Magnesium Material**  
The negative-potential core releases hydrogen ions and negative ions, making the hydrogen-water effect more lasting and safe while effectively helping metabolize free radicals.

**+** **Rear: Nano Silver Antibacterial Carbon Block CTO**  
The high-density compressed carbon block deeply intercepts fine impurities.

Maximum Flow Rate	1.5L~3.0L/min
Maximum Pressure	125 PSI
Maximum Temperature	4~40°C (39.2~104°F)
Total Capacity	10 months or 3000 gallons

## Small T33 Enriched Hydrogen Nano Silver Composite Filter Cartridge(668-WHCRT)



RO reverse osmosis water purifier does not need to be boiled. With "nano silver composite filter cartridge (Small T)", it can be immediately upgraded to a raw drink machine.

668-WHCRT

*a-king* Ming Fung Nano Biochemical Technology

### ANCHORAGE NANO SILVER ENRICHED HYDROGEN

Small T33 (Quick fitting) Enriched Hydrogen Nano Silver Composite Filter Cartridge\_668-WHCRT

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**Negative Potential (Enriched Hydrogen) Materials**

Function: It is suitable for the end filter of various water purifiers, which can make the water quality produce hydrogen, negative potential (ORP), small molecular water, slightly alkaline water, etc.

- This product (quick disassembly structure) won the Invention Gold Medal of the 2019 Taiwan Innotech Expo.
- Anchorage nano silver technology is used to implant nano silver into and combine closely with activated carbon. The resulting activated carbon can adsorb organic high molecular substances and inhibit bacteria with a rate up to 99.9%.
- The antibacterial function is enhanced by 200 times or more relative to which of silver and silver-added/loaded activated carbon.
- Tens of times better antibacterial function than chlorine sterilized tap water.
- Inhibiting more than 650 kinds of bacteria, long-lasting antibacterial function, helps to extend the life of RO membrane.
- Made in Taiwan with good quality control.

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Nano Silver Eliminate Bacteria

Small Water Particle

Far Infrared

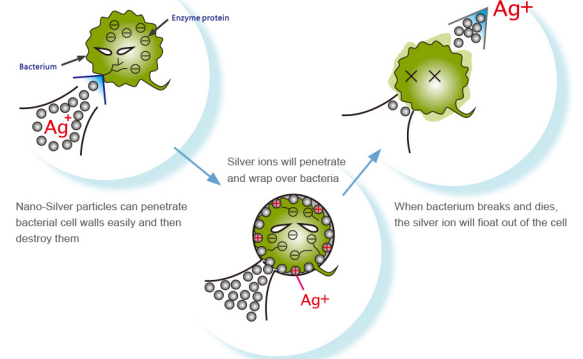
Slightly Alkaline Water

Anion Water

- Release nano silver ion which can eliminate bacteria instantly.
- Small water particle: Easy absorption by human body.
- Aided With Health Benefits of Far Infrared: Far infrared can resonance with human cells, which helps to boost metabolism.
- pH8, slightly alkaline water: Water of pH8 level can neutralize and rinse acidic toxin inside the human body, helping our body buffer acidity, which can lead to better health and fitness.
- Anion: Anion water, to sterilize and remove odors.

## Sterilization principle of nanosilver activated carbon

Nano Silver filter can eliminate chloride, odors, pesticide residue toxic, Chemical elements, heavy metals...etc. Furthermore, it releases strong energy to destroy bacteria enzyme protein, then let the bacteria die.



## SGS test report that allows you to drink with peace of mind

Passed multiple SGS tests (sterilization, organochlorine pesticide test, organophosphorus pesticide test, chemical element test) inspection and certification

**SGS Report For Organic Chloride Pesticide**

Test Item	Unit	Before processing	After processing	Elimination ratio
Lindane	mg/L	0.0719	ND<0.00003	>99.9%
Heptachlor	mg/L	0.0135	ND<0.00003	>99.8%
Aldrin	mg/L	0.00904	ND<0.00008	>99.1%
Endosulfan	mg/L	0.0376	ND<0.00003	>99.9%
Dieldrin	mg/L	0.0258	ND<0.00003	>99.9%
Endrin	mg/L	0.0252	ND<0.00004	>99.8%
o,p'-DDT	mg/L	0.00821	ND<0.00003	>99.6%

**SGS Report Of Anti-bacterial Test**

Test Item (Units)	Sample No : PXJ2019/8015006		Elimination ratio(%)
	Before processing	After processing	
Coliform (CFU/100mL)	0.2x10 <sup>3</sup>	<1	>99.9
Total Plate Count (CFU/mL)	5.8x10 <sup>3</sup>	<5	>99.9
Staphylococcus aureus (CFU/mL)	4.7x10 <sup>3</sup>	<5	>99.9

**SGS Test Report For Organic Phosphorus Pesticide**

Test Item	Unit	Before processing	After processing	Elimination ratio
Monocrotophos	mg/L	0.0324	ND<0.0017	>94.8%
Diazinon	mg/L	0.0464	ND<0.0010	>94.8%
Parathion	mg/L	0.0544	ND<0.0013	>97.6%
EPN	mg/L	0.0184	ND<0.0010	>94.6%
Methamidophos	mg/L	0.0448	ND<0.0022	>95.1%
Methomyl	mg/L	0.0512	ND<0.0031	>93.9%
Carbofuran	mg/L	0.0924	ND<0.0035	>96.2%
Isoprocarb	mg/L	0.1021	ND<0.0026	>97.5%

**SGS Test Report For Chemical Elements**

Test Item	Unit	Sample No : D9780299-4		Test method	DRINKING water rate
		Before processing	After processing		
Total residual chlorine	Test Unit: 0.34(mg/L)	Test Unit: 0.01			
Free available residual chlorine	2.0 (mg/L)	ND<0.41(mg/L)		NIEA W 408.50A	0.2-1.5
Combined available residual chlorine	0.6 (mg/L)	ND<0.41(mg/L)		NIEA W 408.50A	<1.0

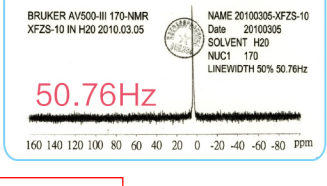
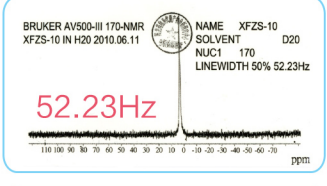
  

Test Item	Unit	Before processing	After processing	Elimination ratio
Anionic surface active agents	mg/L	5.24	0.06	98.9%
Chlorine	mg/L	279	0.7	99.5%
Fluoride	mg/L	5.17	0.09	98.3%
Nitrate	mg/L	5.08	0.27	94.7%
Ammonia nitrogen	mg/L	1.31	0.02	98.5%
Odour	T.O.N	64	<1	98.4%
Cyanide	mg/L	0.288	ND<0.003	99.0%

## Introduction to multiple functions

**Small water molecule**

Easily absorbed by human body.



**Negative ion water**

Anion water, to sterilize and remove odors.

**Anion water**

Test No : (2009) WT-HW-509			
Test Item(Units)	Standards	Test results	Individual assessment
Anion concentration(one/cm <sup>3</sup> )	/	6750	/

**Far Infrared Ray**

Far infrared can resonance with human cells, which helps to boost metabolism.

**Report No : WT-HW-671**

Test Item(Units)	Standards	Test results	Individual assessment
Infrared emissivity	/	0.96	/
Firing rate to the whole law	≥0.80	0.87	Qualified

Product name: Small T33 Enriched Hydrogen Nano Silver Composite Filter Cartridge (668-WHCRT)  
 Maximum flow rate: 75GPM  
 Applicable temperature: 0~40°C  
 Suitable pressure: 12PSI  
 Filterable water capacity: 2000 gallons (about 7570 liters)  
 (Installed in RO machine for 1 year, general water purifier for 6 to 8 months, depending on local water quality and usage)  
 Suitable for installation: can be installed on the fifth channel of RO water purifier or general water purifier

