

*a-king*

## Crown ST33 Nano Silver Composite Filter Cartridge

668-WCRT

### Dual-Stage Structure, Ultimate Water Purification



#### Dual Antibacterial Protection

Nano silver granules and carbon block provide dual antibacterial protection.



#### High-Efficiency Chlorine Removal

Highly porous granular carbon powerfully adsorbs residual chlorine in water.



#### Improved Taste

Removes chemical odors to ensure sweet-tasting drinking water.

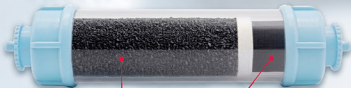


#### Advanced Technology

Combines granular carbon and carbon block technology for more thorough filtration.

### Filter Introduction

Featuring an innovative dual-stage structure, it combines nano silver activated carbon with a high-quality carbon block to precisely target and remove chemical odors and bacteria in water, providing enhanced protection for healthy drinking water.



#### Front: Nano Silver Antibacterial Activated Carbon

Its large surface area makes initial contact with the water flow, quickly adsorbing odors and releasing silver ions for antibacterial protection.

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#### Rear: Nano Silver Antibacterial Carbon Block CTO

A high-density compressed carbon block deeply intercepts fine impurities to help ensure exceptionally pure water.

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 nano silver composite filter cartridge(668-WCRT)



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.

*a-king* Ming Heng Nano Biochemical Technology

## ANCHORAGE NANO SILVER ACTIVATED CARBON

Small T33 nano silver composite filter cartridge\_668-WCRT

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**First Filter Function :**  
Functions Of Purification And Antibacterial

- ◆ Anchorage Nano Silver Activated Carbon - Granular Carbon

- ◆ 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 so that the filtered water is ready to drink and is not, needed to boil.
- ◆ Long-lasting antibacterial function, helps to extend the life of RO membrane.
- ◆ Made in Taiwan with good quality control.

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**The Second Filter Function :**  
Functions Of Purification And Antibacterial

- ◆ Anchorage Nano Silver Activated Carbon - CTO Carbon Block

- ◆ a-king nano silver activated carbon block is made of nano-silver activated carbon, which is processed by die-casting, filter fineness is 1.5 MICRON
- ◆ It can filter out the odor in water, pesticide residues, volatile organic compounds, chemical elements (such as chlorine, chloroform...etc.), can inhibit bacterial growth, and completely eliminate bacteria in water.

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Nano Silver Eliminates Bacteria

Small Water Particle

Far Infrared

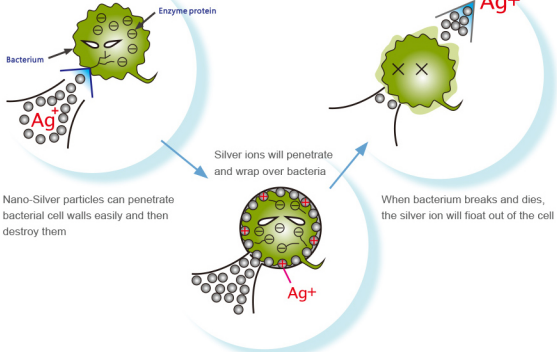
Slightly Alkaline Water

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	>99.8%

**SGS Report Of Anti-bacterial Test**

Test Item (Unit)	Before processing	After processing	Elimination ratio(%)
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**

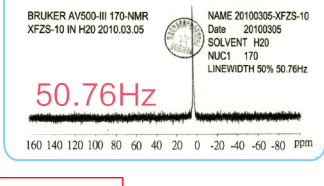
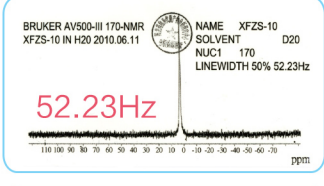
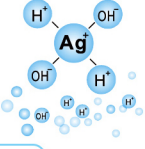
Test Item	Unit	Before processing	After processing	Test method	Drinking water rate
Total residual chlorine	mg/L	0.34	0.01		
Free available residual chlorine	mg/L	2.0	ND<0.41	NIEA W 408.50A	0.2-1.5
Combined available residual chlorine	mg/L	0.6	ND<0.41	NIEA W 408.50A	<1.0

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 nano silver composite filter cartridge (668-WCRT)  
 Maximum flow rate: 75GPM  
 Applicable temperature: 0~40°C  
 Suitable for water pressure: 125PSI  
 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

