

a-king

ST33 Nano Composite Filter Cartridge_Enriched with Hydrogen

668-HCRT

Water Quality Optimization, Multiple Benefits



Magnesium Hydrogen Generation

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



High Permeability

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



Far-Infrared Rays

Resonates with body cells and helps promote metabolism.



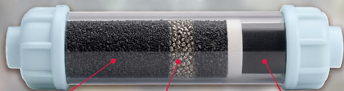
Mildly Alkaline Water

pH 8 mild alkaline water helps neutralize and regulate body condition.



Filter Overview

By combining nano silver with hydrogen-generation technology, its antibacterial power is 200 times stronger than traditional silver-impregnated activated carbon. It provides long-lasting antibacterial protection while releasing hydrogen ions to enhance taste and improve water quality.



Front: Nano Silver Antibacterial Activated Carbon

Large-area initial contact with water flow quickly adsorbs odors while releasing silver ions for antibacterial action.

+
Center: Hydrogen-Generating Material
Negative-potential core material releases hydrogen and negative ions, making water sweeter and safer while effectively helping neutralize free radicals.

Rear: Nano Silver Antibacterial Activated Carbon Block CTO

+
High-density compressed carbon block provides deep interception of tiny impurities to ensure cleaner water quality.

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

Small T33 enriched Hydrogen nano silver composite filter cartridge(668-HCRT)



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-HCRT



HCRT ANCHORAGE NANO-SILVER

Small T33 enriched Hydrogen nano silver composite filter cartridge_668-HCRT

ENRICHED HYDROGEN

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, long-lasting antibacterial function, helps to extend the life of RO membrane.
- ◆ Made in Taiwan with good quality control.

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.

- ◆ Enriched hydrogen water has anti-oxidation and reduction functions, when tap water passes through the filter cartridge, it can be hydrolyzed and separated into hydrogen ions (H+) and hydroxide ions (OH-), after the water molecular groups are dissociated, hydrogen ions (H+) have high permeability, it can be combined with the hydroxyl radical in the human body, reduced to water and discharged from the human body.
- ◆ Slightly alkaline water with negative potential function (ORP about -300 ~ -400).

Functions Of Purification, Antibacterial And Avoid Water Bypass

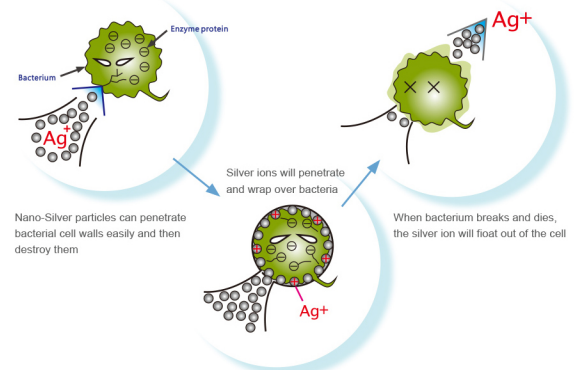
- ◆ Anchorage Nano Silver Activated Carbon - CTO Carbon Block -

- ◆ Anchorage Nano Silver Activated Carbon (CTO) is made of anchorage nano silver activated carbon - granular carbon, which is processed by die-casting, filter fineness is 3-5 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.



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 (Unit)	Before processing	After processing	Elimination ratio(%)
Coliform (CFU/100mL)	6.2x10 ⁷	<1	>99.9
Total Plate Count (CFU/mL)	5.8x10 ⁷	<5	>99.9
Staphylococcus aureus (CFU/mL)	4.7x10 ⁷	<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%

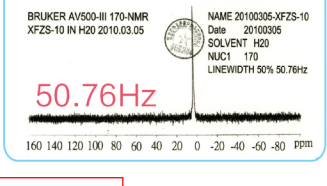
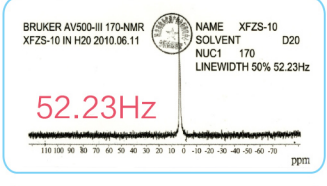
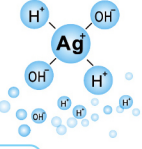
SGS Test Report For Chemical Elements

Test Item	Unit	Before processing	After processing	Test method	Drinking water rule
Total residual chlorine	Test Unit	0.34(mg/L)	0.01		
Free available residual chlorine	mg/L	2.0	ND<0.41(mg/L)	NIEA W 405.50A	0.2-1.0
Combined available residual chlorine	mg/L	0.5	ND<0.41(mg/L)	NIEA W 405.50A	>1.0

Introduction to multiple functions

Small water molecule

Easily absorbed by human body.



Negative ion water

Anion water, to sterilize and remove odors.

Anion water

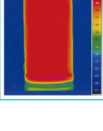
Test No : (2009) WT-HW-509			
Test Item(Units)	Standards	Test results	Individual assessment
Anion concentration(one/cm ³)	/	6750	/

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 : Enriched Hydrogen nano silver composite filter cartridge (668-HCRT)
 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

