

Nano Technology Shower Filter

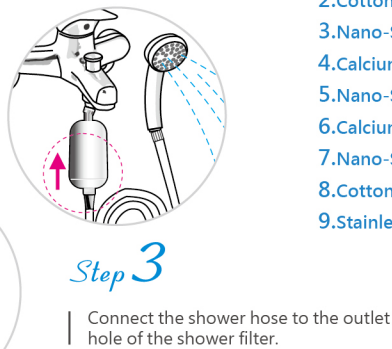
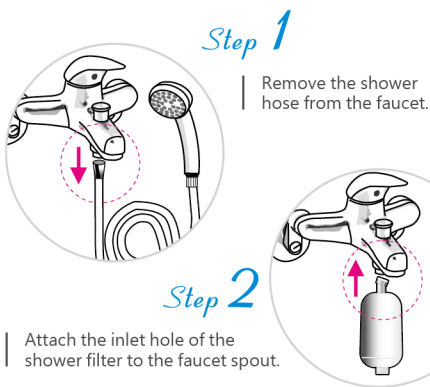
Chlorine Removal / Bacteria Elimination / Energy Boost / Skin Care



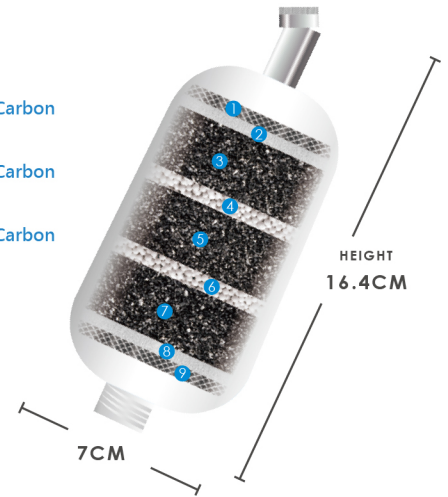
Small MT-368
Large MT-368L



Installation

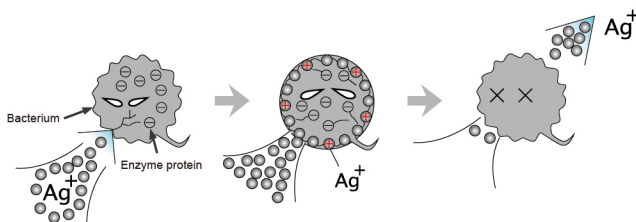


1. Stainless Net
2. Cotton filter
3. Nano-Silver Activated Carbon
4. Calcium sulfite
5. Nano-Silver Activated Carbon
6. Calcium sulfite
7. Nano-Silver Activated Carbon
8. Cotton filter
9. Stainless Net



Nano Silver for Bacteria elimination

Nanometer silver activated carbon can remove chlorine, odors, pesticides, heavy metals, and other harmful contaminants. Silver ions (Ag+) can readily adsorb to most biomolecules (DNA, membrane protein, enzymes, or intracellular cofactors) in bacteria to inactivate their functions and result in bacterial deaths.



Cations and anions attract to one another. So, silver ions attract to bacteria.

Upon impact, silver ions punch holes in bacterial membranes and once inside, they bind to essential cell components like DNA, preventing the bacteria from performing their basic functions.

Once the bacterium is ruptured and killed, silver can leach out to the environment.

Cautions :

After installation, run water for several minutes to flush carbon fines until water comes out clear. Then, attach the shower hose to the filter for use.

Rated total throughput: Small 30,000 liters / large 50,000 liters
Maximum working pressure: 125psi
Working water temperature: 5-50°C
Filter life: Small 9-12 months / large about 12 months (depending on local water quality and usage)



Small

width 7CM
HEIGHT 16.4CM



Large

width 7CM
HEIGHT 18CM



Report Anti-bacterial test
Test no : FA/2011/53838

Test Item(CFU/g)	original inoculation amount	After 24H	Reduction(%)
Staphylococcus aureus ATCC66538	8.5 X 10 ⁵	N.D. (<10)	>99.99
Escherichia Coli ATCC8739	2.4 X 10 ⁵	N.D. (<10)	>99.99



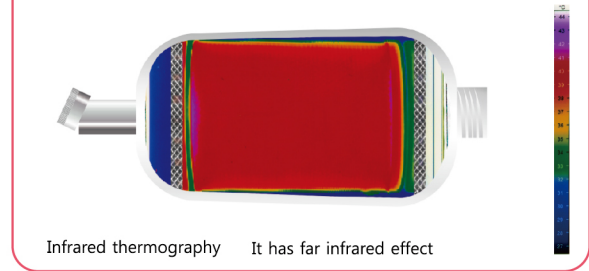
Far Infrared Ray

This Infrared filter can emit infrared radiation with wavelengths between 5 μm to 15 μm. The radiation emitted by human body is at the wavelengths between 4 μm to 16 μm. FIR vibrating at a frequency similar to that of human body can resonate with human cells and emit energy that is converted to heat in our body. Far Infrared heat which is absorbed by the skin while taking a shower can warm our body and improve blood circulation.

Test no : (2009)WT-HW-671

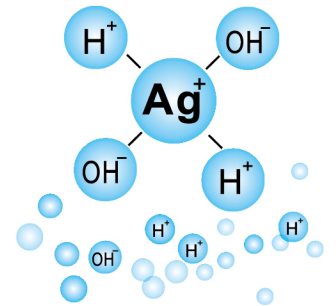
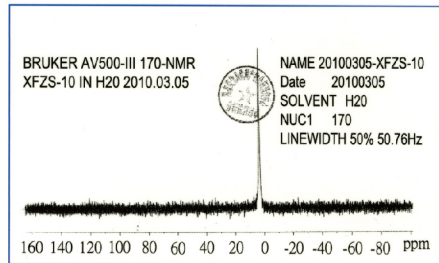
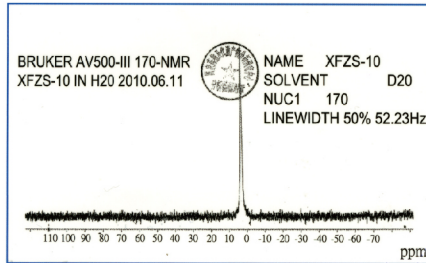
Test Item(Units)	Test Standards	Test results	Individual assessment
Infrared emissivity	/	0.96	/
Firing rate to the whole law	≥ 0.80	0.87	Qualified

Test no : (2010)WT-HW-337



Small Molecular Water

Water with small molecules cleans and clears our skin pores more thoroughly when showering.



Anion (negatively charged ion)

Anions eliminate bacteria and allergens, remove odors and hydrate our skin.

Test no : (2009)WT-HW-509

Test Item(Units)	Test Standards	Test results	Individual assessment
Anion concentration (one/cm ³)	/	6750	/

SGS Test Report

Chlorine, chemicals, and heavy metals dehydrate our skin and hair as well. Shower steam increases the absorption of chlorine to the body when the skin pores open wide. The above-mentioned unwanted chemicals can be filtered out by our shower filters and reductions of these contaminants result in softer hair and smoother skin.

Report of chemical element test

Test no : PX/2009/7033004

Test Item(Units)	Unit	Before Processing	After Processing
Parathion	mg / L	0.0701	ND<0.00163
EPN	mg / L	0.0602	ND<0.00154
Monocrotophos	mg / L	0.0442	ND<0.00130
a-Endosulfan	mg / L	0.0314	ND<0.00003

Report of heavy metals test

Test no : PX/2009/7033002

Test Item(Units)	Unit	Before Processing	After Processing
Iron	mg / L	0.492	ND<0.018
Lead	mg / L	0.316	ND<0.005

Report chemical element test

Test no : PPX/2009/7033003

Test Item(Units)	Unit	Before Processing	After Processing
Total Residual Chlorine	mg / L	0.046	<0.01

Chlorine Removal