

waco

Future Value creation of Environment center
waco Corp.

Portable water purification system

Life *water* filter

Your **Life**
Your **Water**



The Excellent Company
Brand of Seoul



**KOTRA GLOBAL BRAND
COMPANY**



Certificate of ISO
ISO 14001:2001
(Environmental Management System)
ISO 9001:2008
(Quality Management System)



Water Quality Association Member



**Innovation Business Association
Recognized by Korea Government**

Necessity of Life Water Filter

- Water pollution occurred when pollutants like chemicals, pathogens, etc are discharged by industrialization as well natural phenomena (calcium, sodium, iron, manganese , etc) and lack of water source have become a major global problem.
- The river, lake, stream, or other sources are exposed to various kinds of pollutants and in the most recent national report on water quality in the United States, 45% of assessed stream miles , 47% lake acres, and 32% bays were classified as polluted. And it has been suggested as the leading worldwide ground of deaths and diseases.
- Even pollution prevention practices and treatment have been conducted and some industries have been successful to reduce some parts of those pollutants however it requires lots of cost and in the certain areas or for the outside activity, training, filed move, travel , etc it's hard to obtain the safe drinking water or water source.
- In this regard, we'd like to introduce our portable Life water filter for drinking water by easy handling economically.





Usage of the Water Purifier system

hiking, scouting, camping with group, cutting off the water supply, caravanning and other emergency situations outdoors, Outdoor water source like river, stream, lake, ect.

Portable Water Filter System with Foldable Water Bottle & Water Bag

* Functions of Portable water purification products *

Light and portable to carry around

Life water filter is available to be used for various purposes concerning all the usability: Compact straw type and foldable water bottle etc. And it is also portable due to the light weight.

High utilization by connecting PET bottle

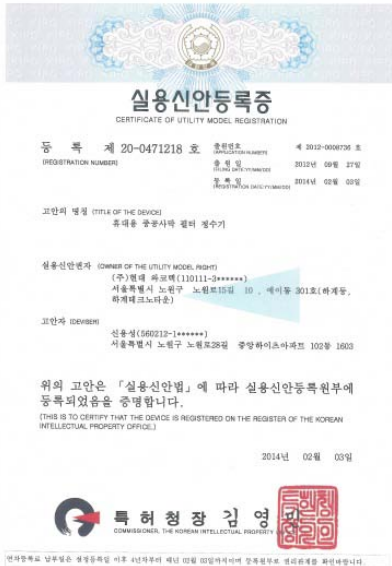
It is available to utilize the life water filter connecting with plastic(PET) bottle, which people can get easily on the market.

High-Capacity purification function

Although the size is small, Life water filter can be used for long hours through the total 800litres of valid purification function.

Antibacterial material inside the filter

Authentic Antibacterial Ag Ceramic Ball prevents pollution inside the life water filter.



Patented Product

Drink Safe & Clean Water, Removal of bacteria up to 99.9%

Effectively elimination of virus, bacteria, germs, organic matters and other pollutants up to 99.9%



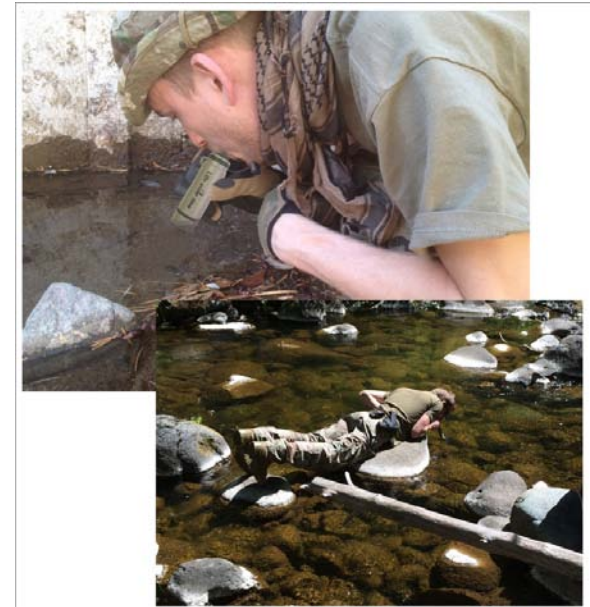
* FEATURES OF PRODUCT

- Technology : LIFE membrane (special hollow fiber membrane) / Antibacterial material
- Effect : Remove bacteria, organic and inorganic polymeric molecules, colloidal materials, etc. Reduce chemicals.
- Output : Approx. 1.5 liter/min depending on water quality
- Capacity : Up to 1,200 liter depending on water quality
- Weight : Approx. 50g
- Dimensions : 118 × 32mm
- Guarantee : 1 year
- Material : Plastics, Polysulfone, Antibacterial material
- Accessories : Foldable bottle, Life water bag (option)

Previous Water Bottle Products



Foldable Water Bottles



* FEATURES OF PRODUCT

- ▷ Easy to carry.
- ▷ Easy to use as a Straw mode.
- ▷ Able to get the clean & safe water by removing those bacteria in water through Life membrane filter (0.1micron)
- ▷ Authentic Antibacterial Ag Ceramic Ball prevents pollution of inside filter.
- ▷ Possible to check directions by Mini Magnetic Compass attached to the cap of it during outdoor activity or in mountain. (option)



* Comparison with other similar products

- 1) Previous common Portable water purifiers comes with the block type –basic carbon filter, thus the filtration effect is low and not available to remove those harmful bacteria, colon bacillus and etc.
- 2) There is the similar straw type filter supplied by “L-company” in the market but it’s not available to carry the treated water and easy to exposed to the second pollution of filter.
- 3) There is also a storage bag in market such as a “C” backpack but no filtration function but only for storage of the clean water. And its volume is too big to carry and the water fur shall be cleaned regularly.
- 4) However Life filter is small size & light to carry easy, it has enough filtration capacity (800 liters) and effective for the removal of colloids, proteins, bacteria, pyrogens (e.g. gram-negative bacterial endotoxins), and other organic molecules by using Life membrane filter.



*** Highly portable & Light weight**

Treated water through Life water filter made by Gravity.

Treated water through Life water filter made by Gravity



Highly portable & Light weight





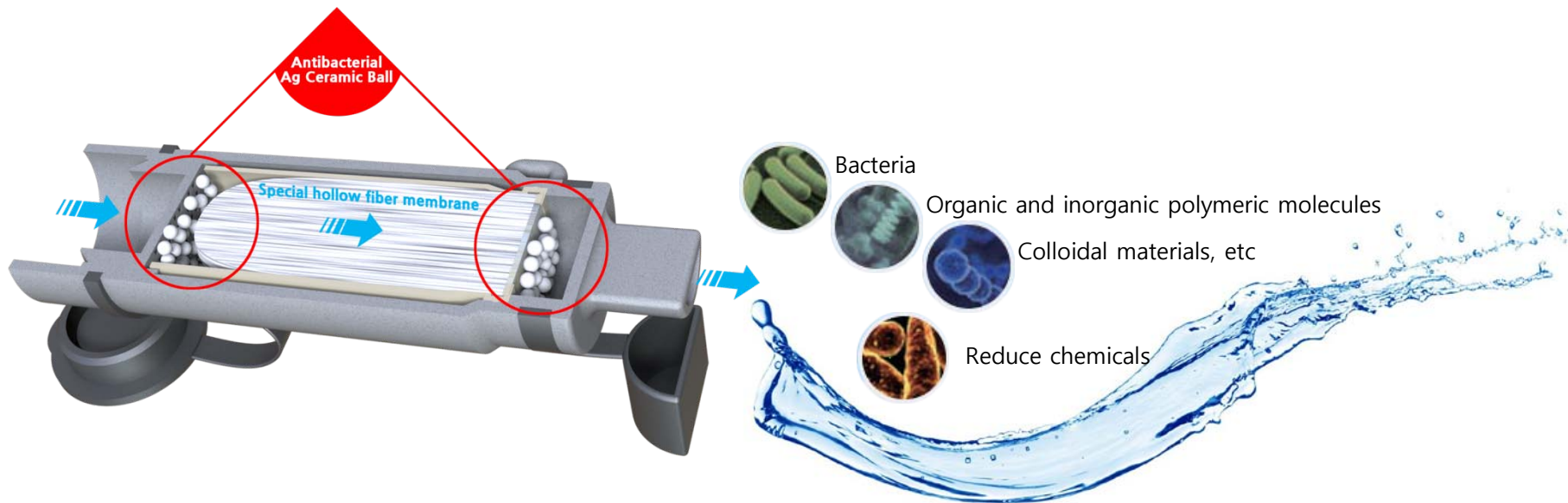
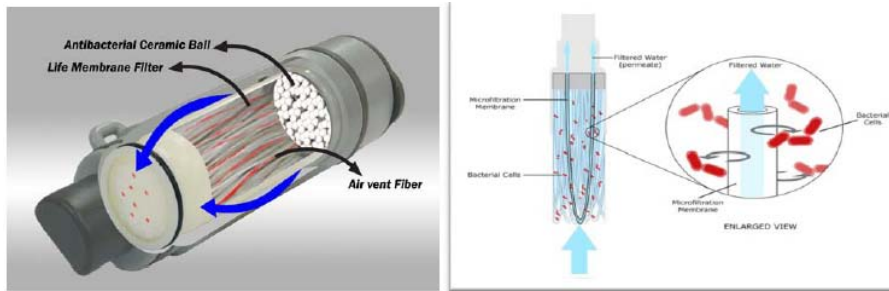
* Features of Product

- ▷ Removes bacteria, Heavy Metal and chemicals.
- ▷ Easy to get drinking water from various polluted water.
- ▷ It can absorb water easily with Air Vent.
- ▷ Small straw for Portability.
- ▷ It can be connected with normal PET bottle and Water bag. (Option)
- ▷ You can use it to fill clean water with various bottles and Water bags. (Option)



* Cross Section and Structure of Filter

It can absorb water easily with Air Vent.
It's safe to use by antibacterial substance in the filter



* Antibacterial materials

- 1) Application of Certified Antibacterial materials by NSF International for water purifiers.
- 2) Prevention of 2nd pollution of inside filter(Life membrane) and removal of harmful heavy metal.

Clean Environment, Safe Water

Korea Environment & Water Works Institute
 86-7-60, Yangpyeong-Dong, Yangpyeong-City, Seoul, Korea / TEL. 82-2-2637-4204 / FAX 82-2-2631-4707

Report of Laboratory Tests

Report No.	WF-070824		
Name	WACON Resistor Co. Ltd	Issued Date	Aug. 9, 2007
Customer	86-8, Gyeongpyeong-Dong, Yangpyeong-City, Seoul, Korea	Date of Test	Aug. 8, 2007 ~ Aug. 10, 2007
Test Sample	LF-14000 Filter Module	Use of Report	Presentation
The Method used	Plate Plate method		
Testing Environment	Incubated Temperature : (25 ± 0.5) °C, Relative humidity : 45 % RH		

Test Results

Items	Unit	Result		Remark
		The synthetic water	The passed water	
Staphylococcus aureus	CFU/mL	1.6 × 10 ²	ND	-
E. Coli	CFU/mL	1.3 × 10 ²	ND	-

* ND : Not detected
 * Test conducted/accepted by (Customer)
 * The passed water was tested through the sample LF-14000 Filter Module
 - Quantity of flow : 10 L
 - Water pressure : 1 kg/cm²

Inspected by	Tester	Technical Manager
Haek - Jeeok, Kang	Haek - Minyoung, Song	Haek - Young, Oh

Aug. 10, 2007

Korea Environment & Water Works Institute

Note 1. The results contained herein apply only to the particular sample supplied by the named client and to the specific tests carried out, as detailed in the Test Report.
 2. The Test Report should not be reproduced without any documented approval process.

1 / 1 The End.

FFC305-2A(6) Korea Environment & Water Works Institute AK(210)-297

Test Report of Life Membrane Filter



WACO Corp.

Address : A-301, Hage Technotown, 10, Nowon-ro, 15-gil, Nowon-gu, Seoul, Korea
Tel : 82-2-948-0657 | FAX : 82-2-948-2342
<http://www.waco-corp.com>



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Your **Water**



is **life**
Your Life,
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