

Application

■ OH-6800 Ozonized Water Cleaner

Features

- Patented with the installation of automatic activation sensation system.
- Specially-designed to separate water and electricity to ensure user safety.
- Advanced & environmentally-friendly switching power circuit design.
- Accurate & specific control of micro-controller.
- “10 minutes automatic “power down” protection system.
- Unique appearance & easy installation
- Five level of ozone concentration adjustable.
- Available to detect water-flow rate.

Packing Information

Model	Package	CTN
OH-6800	10 SET/CTN	40*34*29 Cm
N.W. / CTN	G.W. / CTN	1 Pallet
10 Kg	11 Kg	24CTN
20' Container	40' Container	
2400 SETS	4800 SETS	

Product description

The OH-6800 is an ozonized water cleaner reference design based upon ozone which is a very powerful oxidizing agent and a natural blessing.

Ozonized water can instantly oxidize and kill bacteria and germs by destroying cell membrane. It oxidizes and decomposes the organic compounds to become the most basic molecule in order to achieve the function of purification and sterilization. Ozonized water decomposes itself into normal water, leaving no secondary pollutant basics.

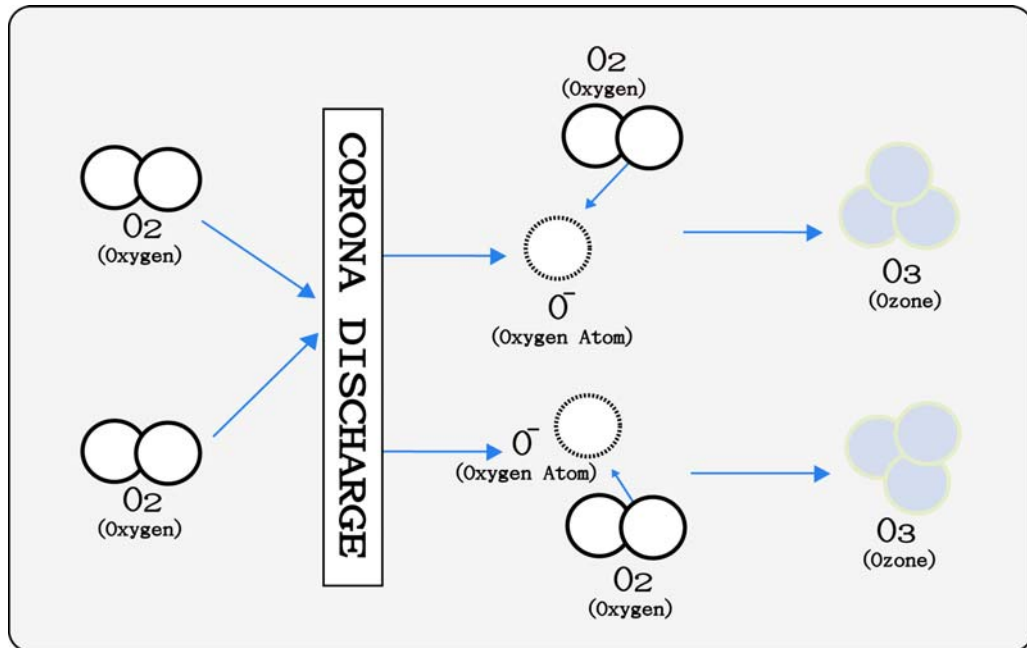
Cashido Ozone Cleaner cleans out bacteria attached to hands and prevents diseases. Effectively dissolve organic compounds (such as pesticides) on fruits and vegetables, and improve taste of food. Promote metabolism, blood circulation, and prevent skin aging. Clean out the antibiotics and hormone of food (such as beef, pork, and chicken.) Effectively sterilize, clean, bleach, and remove odors from kitchenware and clothing. Remove water impurities and improve water quality.

Picture



Specifications

Ozone Production Method



General Specifications

Item	Specification
Model	OH-6800
Color	Pearl White / Pearl Blue
Dimension	152(L)*115(W)*73(H)mm
Power Requirement	DC 12V
Power Consumption	6W (max)
Net Weight	380g \pm 5%
Ozone Production	50~150 mg/hr
Safety Device (injury protection)	10 minute automatic power down (Enter standby mode)

Environmental Specifications

Item	Specification
Operating Temperature	5~50°C
Storage Temperature	0~80°C
Efficient Humidity	Less than 60%
Storage Humidity	Less than 80%

Adapter Supply Voltage Specifications

Item	Voltage
INPUT	AC 100~240V ; 50/60Hz
OUTPUT	DC12V \ominus \bullet \oplus

Bacteria Effective Test

The total plate counts of *S. aureus* BCRC 10451, *E. coli* BCRC 11634, *P. vulgaris* BCRC 12153, *P. areuginosa* BCRC 11633, *K. pneumoniae* BCRC 16082, *S. choleraesuis* BCRC 10744 after treated with the ozonized water generated by Cashido Ozone Cleaner for 10 seconds.

Test Strain	Cell (CFU /mL) Before the treatment	Cell (CFU / mL) After the treatment
<i>S. aureus</i> BCRC 10451	7.1×10^5	<10
<i>E. coli</i> BCRC 11634	2.1×10^5	<10
<i>P. vulgaris</i> BCRC 12153	1.4×10^5	<10
<i>P. areuginosa</i> BCRC 11633	2.7×10^5	<10
<i>K. pneumoniae</i> BCRC 16082	3.1×10^5	<10
<i>S. choleraesuis</i> BCRC 10744	5.3×10^5	<10

Ozone Concentration Test

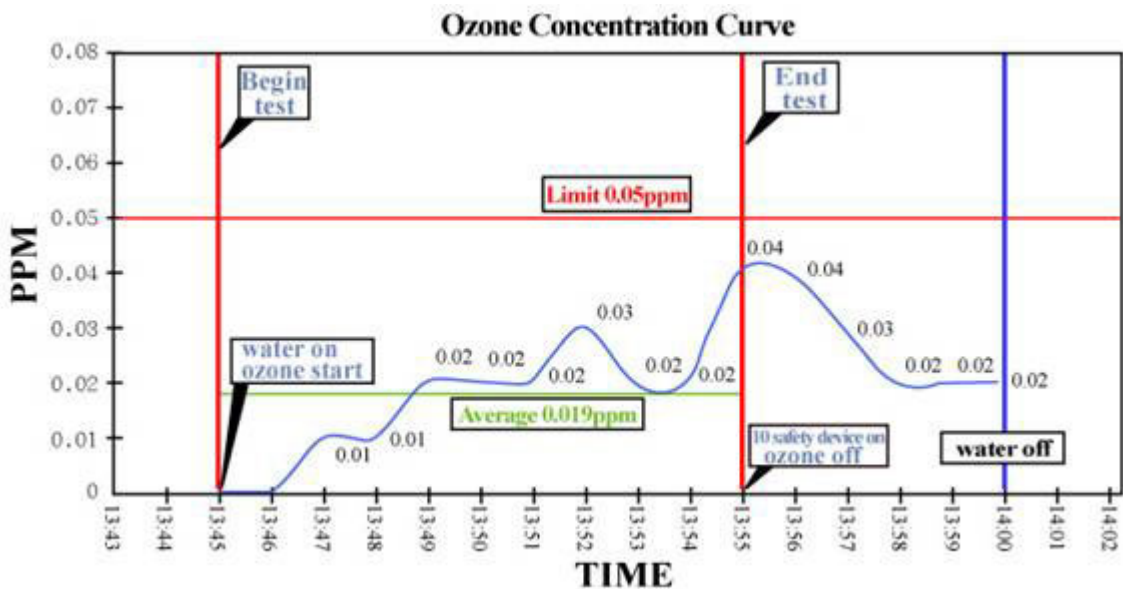
Appliance is checked by the following test, which is assured that Cashido Corporation is in accordance with the instructions, FDA/IEC 925081, of the percentage of ozone concentration in the air shall not exceed 0.05PPM. Therefore we are going to examine the spillage of ozone gas concentration of OH-6800 to make sure our product is satisfied with FDA/IEC 925081.

Test Method:

A room without openings having dimensions of 2.5 m x 3.5 m x 3.0 m, the walls being covered with polyethylene sheet. The appliance is positioned in accordance with the instructions. Appliances used on a table are placed in the centre of the room approximately 750 mm above the floor. The room is maintained at approximately 25 °C and 50 % relative humidity. The appliance is supplied at rated voltage for 24 h, removable filters being removed if this is more unfavorable.

The ozone sampling tube is to be located in the air stream 50 mm from the air outlet of the appliance. The background ozone concentration measured prior to the test is subtracted from the maximum concentration measured during the test.

The percentage of ozone in the room shall not exceed 5×10^{-8} .



Pesticides Removing Test

The following product and pesticides were submitted by/on behalf of client as below and confirmed by SGS:

Model of Product: OH-6800, ozone concentration 150 mg/hr
Date of Sample Received: Nov. 22, 2004
Date of Testing: Dec. 01, 2004
Location of Testing: SGS Taiwan

Test Requested: Determination of the pesticides residues of submitted sample.

Test Method: Pretreatment:
(Vegetables prepared by SGS)
1. Dilute the Cypermethrin, Mevinphos and Cabaryl to 1/1500, 1/20 and 1/30 respectively.
2. Add 1.7 ml Cypermethrin, 12.75 ml Mevinphos and 3.00 g Cabaryl to 2550 ml D. I. Water in 5L beaker. Stir with a glass bar until Cabaryl powder dissolved.
3. Put the vegetables into the pesticides solution for 1 minute and stir.
4. Take the vegetables out, dry in the air for 30 minutes.
5. Control group: take the 50 g vegetable to analyze.
6. Experimental group: take the 50 g vegetable, wash and rub about 10 second for each leaf by the ozone water, then dry in the air for 30 minutes.

Note:

- the ozone machine operation parameters: the ozone meter at level 5(150 mg/hr), the water meter at level 4.
 - the submitted pesticides are often used on vegetables:
organochlorine pesticide – Cypermethrin
organophosphorus pesticide – Mevinphos
N-methyl carbamate pesticide – Cabaryl
- With reference to CNS 13570-2, Analysis was performed by GC/ECD, GC/FPD and HPLC/FLD.

Test Results:

Determination of the pesticides residues (Cypermethrin, Mevinphos and Cabaryl) of submitted sample.

<u>Compounds</u>	<u>Control Group</u>	<u>Experimental Group</u>	<u>Removed Rate %</u>
Cypermethrin	1.60	0.439	72.5
Mevinphos	33.6	16.3	51.4
Cabaryl	26.5	6.28	76.3

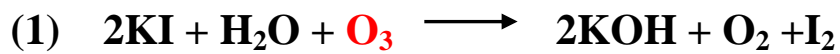
Simple Ozone Test

The purpose of this examination is to identify whether or not there is ozone air in a bottle of water which is produced from Cashido Ozone Cleaner.

Test Method:

Add few drops of Potassium Iodide-Starch Solution (KI-Starch Solution) into a bottle of water. If there is ozone in water, then the color of water will become purple; otherwise, it will stay in the same clear color.

Chemical Formula states:



(Ozone water) (Normal water)