

# Wellisair

indoor air quality  
solution for you

## Air Disinfection Purifier

WADU-02



High Tech, High Efficiency Air  
Disinfection Purifier!

# more POWERFUL and SMART

Enjoy clean and fresh air with Wellis.  
Wellis will take care of cleaning your air.



## SIMPLE CONTROL and COMPACT DESIGN



### Automatic operation

Automatically purifies  
airborne and surface  
contaminants



### Night Mode

Minimal noise, quiet functioning  
Low brightness for comfortable  
sleep.



### Cartridge Alarm

Lets you know in  
advance time to  
replace cartridge



### Alert

Notifies in case of empty  
cartridge or when  
improper inserting causes  
a stop in function

Economical and easy-to-use Wellis Air Disinfection Purifier!

High level of **energy efficiency!**

**Easy maintenance!**

❖ **Are you interested in 24/7 operation without worrying about electricity cost?**

Wellis can clean air for 24 hours using 3.6 Watts per hour, which is 300 KRW/month, and 3600 KRW/year in about 50 m<sup>2</sup> area of space.

\*1 USD = 1098 KRW ( August, 2016 )

❖ **No more expensive filters or UV lamp replacement!**

Anyone can easily and conveniently replace the cartridge with one touch.

You can enjoy top performance if you replace the cartridge every 3 months.

(The operating life of consumable fluid cartridge varies depending on environment, including indoor temperature, humidity, etc.)



Wellis is excellent for a contaminated environment!

**Superior Technology by Wellis!**

❖ **Using Military Defense Technology**

Using OH in the atmosphere, Military Defense developed this technology in the 1970s for CBR (Chemical/Biological Radiological) warfare. It was commercialized in the 1990s in European hospitals and shows excellent results in the removal of harmful substances such as bacteria, germs and viruses, harmful gases, mold, and respiratory allergens that cause a contaminated environment.

**Removes 99.9% of all hazardous elements** including viruses, bacteria, and mold!  
Eco-friendly purifying using nature's **air purifying** principles!



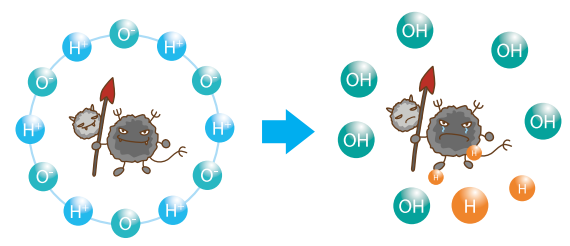
# Wellis's Excellence!

Wellis air disinfection purifier generates abundance of the natural air purifying substance OH, at an eco-friendly level of clean area 8,000,000~10,000,000/CC , by adopting nature's air cleaning methods.

❖ **What is OH (Hydroxyl Radical)?**  
OH (Hydroxyl Radical) and it harmlessly disappears along with other air pollutants.



## ❖ How does OH (HYDROXYL RADICAL) WORK



OH generated by Wellis surrounds the virus and harmful bacteria

OH reacts with Hydrogen of the cell walls  
Harmful bacteria and viruses are destroyed

**H<sub>2</sub>O**  
Converts to a harmless element such as **H<sub>2</sub>O (water)**

# Wellis's Excellent Disinfection!

## Microbial decontamination

Pathogens (bacteria, viruses),  
House dust, mites, droppings,  
Allergens (pet dander, pollen), mold  
(fungi, spores)



Protects against pathogenic diseases  
(asthma rhinitis, atopic dermatitis)

## Deodorization control

Cigarette odor, food, sewage  
smell, pet odors



Removes unpleasant odors and  
maintains a comfortable indoor  
environment

## Removal VOCs (Volatile Organic Compounds)

Formaldehyde, toluene, benzene



Effects to prevent sick building  
syndrome, atopic dermatitis, blood  
modification, and blood cancer

## No more worries! Recommend for:



Those who worry about  
**harmful gases** in the kitchen



Those who suffer from  
**cigarette, food odors**



Those with **atopic dermatitis,  
asthma, or allergies**



Those who spend long hours in  
**hospitals, offices or schools**



Those who suffer from  
**sick building syndrome**



**Students** who need  
health care



**Babies and elderl**  
with weak immune systems



Those who want to use an air  
purifier **24/7** without worrying  
about high electricity cost



# Wellisair

High Tech, High Efficiency Air  
Disinfection Purifier!

**More powerful and smart**

Enjoy clean and fresh air with Wellis.  
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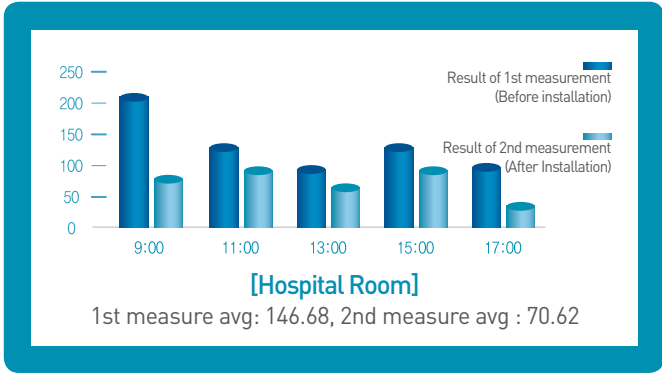


WADU-02

# The more test ,the more safety guaranteed in product

## ❖ Test results at International Naeun Hospital

## ❖ Hospital Installation Case



Doctor's office



Waiting room

**Test Result**

**50% + of pathogenic bacteria reduction overall** \* Detected pathogenic bacteria  
 - Staphylococcus aureus, Escherichia coli, purulent streptococcus, Streptococcus pneumoniae

## ❖ Wellis Air vs Other Purifier Systems

Type	Size of particles removed	Bacteria	Viruses	Allergens	Molds & Yeasts	VOC's	Cigarette Smoke	Odors	Maintenance	Coverage	Technology	Cost	Toxic	Efficiency
HEPA Filters	0.3microns	Some	No	Yes	Yes	No	No	No	Yes	Medium	Passive	High	No	Low
Carbon Filters	N/A	Some	No	Some	Some	Yes	Yes	Yes	Yes	Small	Passive	High	No	Low
UV Lamp	N/A	Yes	Yes	Yes	Yes	No	No	No	Some	Small	Active	Low	Yes	Low
Ion Generator	0.1 microns	Yes	Yes	Yes	No	Yes	Yes	No	Some	Small	Active	Low	No	Low
Ozone Generator	N/A	Some	Some	No	Some	Some	Yes	Yes	Some	Medium	Active	Low	Yes	Low
Photocatalysis	0.1 microns	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Small	Passive	High	Yes	Low
<b>Wellis Air</b>	<b>&lt; 0.1 microns</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Some</b>	<b>Large</b>	<b>Active</b>	<b>Low</b>	<b>No</b>	<b>High</b>

## ❖ KCL (Korea Conformity Laboratories) TEST RESULTS

Items	Result			Environment
	Initial density	4 hours later (CFU/mL)	Bacteria reduction (%)	
Antibacterial test for E. coli	1.7x10 <sup>4</sup>	<10	99.9	(37.0±0.1)C° (33.1±0.2)% R.H.
Antibacterial test for Pseudomonas aeruginosa	1.9x10 <sup>4</sup>	<10	99.9	
Antibacterial test for Staphylococcus aureus	1.4x10 <sup>4</sup>	<10	99.9	
Antibacterial test for Salmonella	1.6x10 <sup>4</sup>	<10	99.9	(37.0±0.1)C° (33.1±0.2)% R.H.
Antibacterial test for Pneumonia	2.0x10 <sup>4</sup>	<10	99.9	
Antibacterial test for MRSA bacteria	1.2x10 <sup>4</sup>	<10	99.9	

**Result**

It shows a **99.9% reduction** in bacteria pathogens during an antibacterial test run to verify the existence of bacterial contaminants on surfaces such as clothing and furniture.

Items	Result			Environment
	Initial density	4 hours later (CFU/mL)	Bacteria reduction (%)	
Reduction test for Airborne microbes (K pneumoniae)	1.2x10 <sup>4</sup>	<10	99.9	(23.0±0.1)C° (50.2±1.0)% R.H.
Reduction test for Airborne microbes	1.0x10 <sup>4</sup>	<10	99.9	(23.0±0.1)C° (50.2±1.0)% R.H.

**Result**

It shows a **99.9% reduction** in bacteria and a reduction in floating microorganisms during a test run to verify the existence of suspended microorganism inactivating contaminants in indoor air.

Items	Result
Deodorization efficiency (ammonia NH, 4h)	80
Deodorization efficiency (Toluene C6H5CH3, 4h)	99.5 +
Deodorization efficiency (formaldehyde, HCHO, 4h)	65

**Result**

For Toluene, it shows a deodorizing efficiency of more than 99.5%.  
 \*Toluene : substances included in petrochemicals such as paint and glue. It causes sick building syndrome

