

Sterilize Your Air

Kills **99.9%** Germs & Viruses



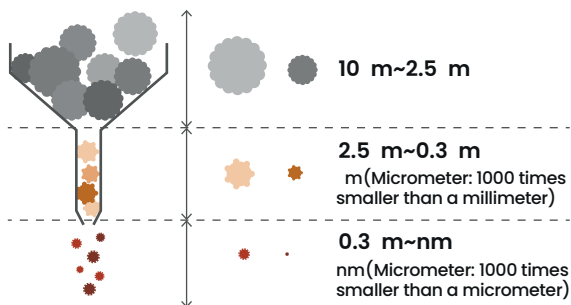
**REAL BULK
PLASMA**

High technology,
a healthy environment,
a happy life!
COBI PLATEC is making it.

COBI PLATEC

Why Plasma?

Why do you need Air Sterilizer?



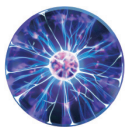
AIR PURIFIER **Removes fine particles**

Purifying the air by filtering fine particles in a micrometer unit

AIR STERILIZER **Kills germs & viruses**

Decomposing & sterilizing viruses, germs, & odors in a nanometer unit that air purifiers can't do

PLASMA : Future in Viruses, Germs, Fungus Sterization Field



What is Plasma?

Innovative technology used for disinfection · sterilization · medical care in healthcare and bio fields

· WHO (World Health Organization) & Research institutes
Focused on plasma as a new hope in **the field of virus inactivation**

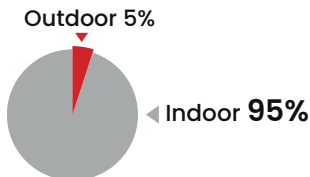
· The innovative study published by UCLA in the US
Just 30 seconds to successfully deactivate SARS-CoV-2 (COVID-19). Proved to be a fast and effective method preventing the infection from virus.

*Source: "Cold atmospheric plasma for SARS-CoV-2 inactivation",
Cite as: Phys. Fluids 32. 111702 (2020)
Published Online: 10 November 2020

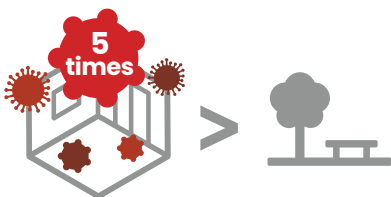
Where To Use

Real Bulk Plasma Air Sterilizer

is suitable for this any sector wants to create a safer, cleaner for its staff, customer, & visitors.



People breath 95% of their air indoor,*



where the concentration of pollutants are up to 5 times higher than outdoor.**

* National Institute of Environmental Research: A study on the evaluation of personal exposure according to the improvement of daily activity hours of the people

** United States Environmental Protection Agency(EPA): What are the trends in indoor air quality and their effects on human health



Plasma Air Sterilizer Line-up

AIR PLA

Plasma Air Sterilizer



[Champagne Gold]

[White Pearl]

[Metal Black]

• **Size** : Ø320 x 540 mm
(Ø12.6 x 21.2 in.)

• **Coverage Area** : 78m²
(839sqft)



Real Bulk Plasma

Sterilizes ultrafine particles, pollutants, bacteria & viruses



3-in-1 Filter

(Pre+Deodorization+HEPA)

Removes fine particles, various harmful gases



Stage 4 Air Cleaning Display



PM 0.5 Ultrafine Sensor



* Coverage area is based on our own criteria, and may vary depending on the environment of use.

X-PLA

Plasma Air Sterilizer



[Wall-mount Type]



[Stand Type]

• Size : Ø300 x 82mm
(Ø11.8 x 3.2 in.)

• Coverage Area : 38m²
(409sqft)



Real Bulk Plasma

Sterilizes bacteria & viruses and removes TVOCs & everyday life smells & odors



No Filter Change

X-PLA mini

Automotive Plasma Air Sterilizer



• Size : 305 x 155 x 85 mm
(12.0 x 6.1 x 3.3 in.)

• Coverage Area : 7.2m²
(~15seater)



Real Bulk Plasma

Sterilizes bacteria & viruses



Pre / Carbon Deodorization Filter

Removes TVOCs & life smells & odors

[Installation Example]



ARMREST



HEADREST

Why Cobi platec?

Create a Virus-safe zone with Real Bulk Plasma without concerning about ozone.



Corona · Influenza virus
99.9% Sterilization

* Feline Corona virus · Influenza A virus(human H3N2)
- KRICT Test Results



The 4 major pathogenic bacteria*
99.9% Sterilization

* MRSA(Super Bacteria) · Pneumococcus · Escherichia coli · Staphylococcus aureus - KCL Test Results



TVOCs, 5 harmful gases in daily life
Daily odors removal

* Sterilization rate is based on laboratory measurements, and may vary depending on the real environment of use.

[Test Certificate]

Corona virus (fCoV)
99.989% Sterilization

한국화학연구원 KRICT		대한화학연구소 Center for Chemical Research of Korea Chemical Technology	
시험일자	2020.09.29	시험번호	KR-2020-09-001
시험대상	코로나바이러스 (fCoV) 바이러스	시험방법	PCR
시험결과	99.989% Sterilization	시험장소	대한화학연구소

2020년 9월 29일
시험책임자: 이종교 (Chang-Kyo Lee)

Influenza virus
99.999% Sterilization

한국화학연구원 KRICT		대한화학연구소 Center for Chemical Research of Korea Chemical Technology	
시험일자	2020.09.29	시험번호	KR-2020-09-002
시험대상	인플루엔자 바이러스 (Influenza A virus)	시험방법	PCR
시험결과	99.999% Sterilization	시험장소	대한화학연구소

2020년 9월 29일
시험책임자: 이종교 (Chang-Kyo Lee)

MRSA (Super Bacteria)
99.9% Sterilization

KRCT		시험성적서	
시험일자	2020.09.29	시험번호	KR-2020-09-003
시험대상	MRSA (Super Bacteria)	시험방법	PCR
시험결과	99.9% Sterilization	시험장소	대한화학연구소

Pneumococcus
99.9% Sterilization

KRCT		시험성적서	
시험일자	2020.09.29	시험번호	KR-2020-09-004
시험대상	Pneumococcus	시험방법	PCR
시험결과	99.9% Sterilization	시험장소	대한화학연구소

Escherichia coli
99.9% Sterilization

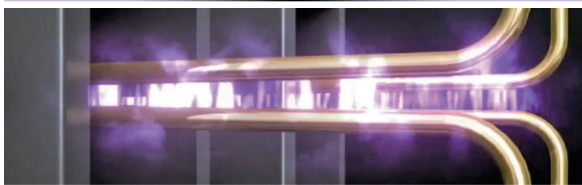
KRCT		시험성적서	
시험일자	2020.09.29	시험번호	KR-2020-09-005
시험대상	Escherichia coli	시험방법	PCR
시험결과	99.9% Sterilization	시험장소	대한화학연구소

Staphylococcus aureus
99.9% Sterilization

KRCT		시험성적서	
시험일자	2020.09.29	시험번호	KR-2020-09-006
시험대상	Staphylococcus aureus	시험방법	PCR
시험결과	99.9% Sterilization	시험장소	대한화학연구소

How It Works

What is COBI PLATEC's Real Bulk Plasma Technology?



COBI PLATEC's eco-friendly innovative technology that sterilizes, decomposes, and removes bacteria, viruses, and ultrafine particles smaller than 0.3 μ m, which filter can't remove.

Sterilization Process



PLASMA BURNING

1st Sterilization

by conducting the thermal properties of plasma

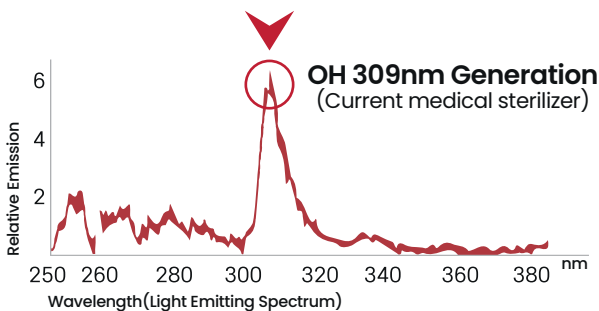


OH RADICAL

2nd Sterilization

by generating OH radicals in plasma

Prove Hydroxyl Radical (OH) Generation by Real Bulk Plasma



When generating OH, OZONE Almost None

KTL OZONE Test Result below 0.004ppm
(Ozone Safety Standard of the Ministry of Environment 0.03ppm)

Nature, Humanity,
and Technology Innovation
A company that
cares about the environment

Awards



**2020 'Innovative Prototype'
by the Public Procurement Service
(infection prevention field)**

**Ministry's prize of
'2020 Safety Technology Award'
by the Ministry of
Public Administration & Security**

2020 the Best Brand of the Chosen
by CONSUMER

2019 'Environmental Management Grand Prize'

2019 'Korea Green Energy Excellence Award'

2019~2020 'Korea Excellent Patent Award'
for 2 consecutive years

**ECO-FRIENDLY
COBI PLATEC**

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Tel 82-2-6485-9900 (Product Inquiry)

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