

# Portable Plasma Air Sterilizer

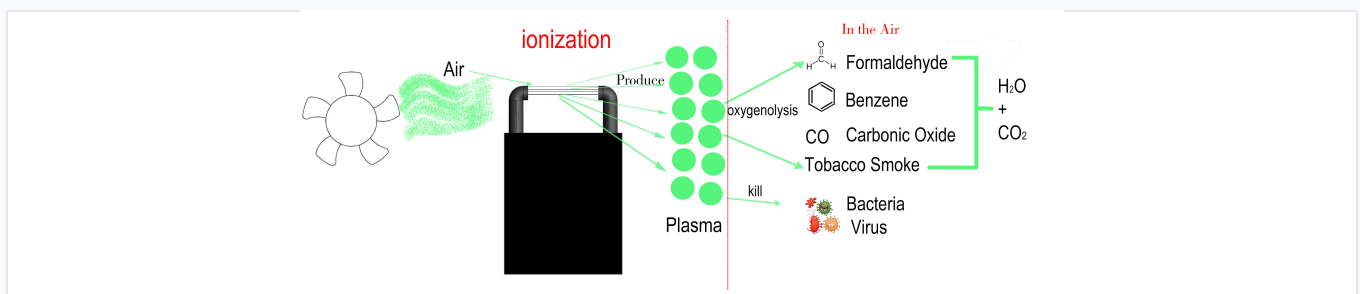
This portable device uses low-temperature plasma to sterilize air. It removes odors and kills up to 99.99% of the H1N1 virus in 2 hours.



## ADDITIONAL IMAGES



## Overview



The plasma generation process breaks down harmful pollutants into water and carbon dioxide.

## Advanced Plasma Air Sterilization

This portable air sterilizer utilizes low-temperature plasma technology to actively neutralize airborne pollutants and pathogens. By creating a discharge region that generates plasma, the device breaks down chemical bonds in contaminants like formaldehyde and benzene while destroying cell membranes of bacteria and viruses. Designed for versatility, it requires no filters or consumables, offering a maintenance-free solution for improving air quality in cars, offices, and homes.

## Performance Metrics

Name	Subject	Experimental environment	Time/hour	Removal rate /kill rate
H1N1 test	H1N1	1m <sup>3</sup>	2	99.99%
Bactericidal test	Staph albus	1m <sup>3</sup>	2	99.93%
Removal formaldehyde test	Formaldehyde	1m <sup>3</sup>	2	81.80%
Removal cigarette smoke test	Ammonia acetaldehyde acetic acid	1m <sup>3</sup>	8	93.20%
Removal benzene test	Benzene	1m <sup>3</sup>	2	54.40%

Verified performance data demonstrating high removal rates for viruses, bacteria, and chemical odors.

### H1N1 Virus Removal

**99.99 %**

Removal Rate

### Staph Albus Removal

**99.93 %**

Removal Rate

## Technical Specifications

Power Supply	DC 5V
Power Consumption	3 W
Dimensions (L x W x H)	122mm x 86mm x 72mm
Net Weight	230 g
Application Area	3m <sup>3</sup> to 30m <sup>3</sup>

## Features



Portable design suitable for multiple environments including vehicles and offices.

### Maintenance

No Filters Required • No Consumables • Low Maintenance

### Targeted Pollutants

H1N1 Virus, Formaldehyde, Benzene, Cigarette Smoke, Bacteria, Odors

## Package Contents

### What's in the box

- Plasma air sterilizer unit
- USB charging cable
- User manual
- Nano Silica Gel Pad