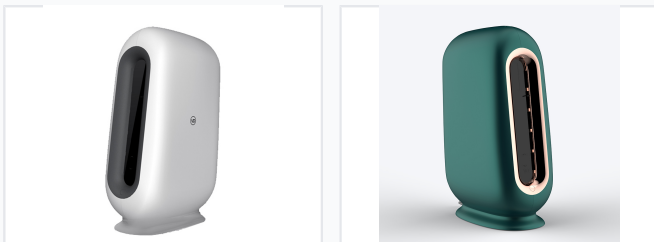


Low-Temperature Plasma Air Sterilizer for Home Use

This home air sterilizer uses low-temperature plasma to eliminate viruses, bacteria, and odors. It does not require filters or consumables and includes both humidifying and air quality inspection functions.



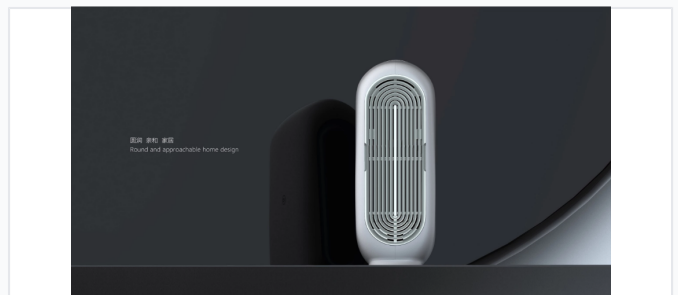
ADDITIONAL IMAGES



Overview



Modern aesthetic designed to fit seamlessly into any home decor.



Compact and approachable design for residential use.

Low-Temperature Plasma Air Sterilizer

This home air sterilizer utilizes advanced low-temperature plasma technology to actively decompose harmful substances and neutralize airborne pathogens. By generating reactive oxygen species, it effectively breaks down VOCs, bacteria, and viruses while eliminating odors without the need for consumable filters. Designed with a sleek, modern aesthetic, it integrates seamlessly into home environments while providing real-time air quality monitoring.

Key Features

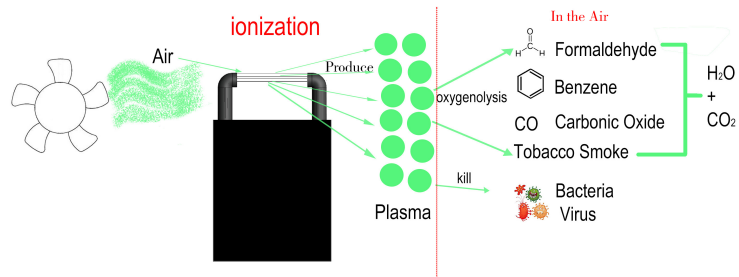
Core Benefits	H1N1 Virus Elimination, Bacteria & Mold Removal, Odor Neutralization, Humidifying Function, Air Quality Inspection
Maintenance	No

Performance Data

Sterilization & Removal Efficiency

Contaminant	Removal/Killing Rate	Test Duration (Hours)
H1N1 Virus	99.99%	2
Staph Albus (Bacteria)	99.93%	2
Formaldehyde	81.80%	2
Cigarette Smoke	93.20%	8
Benzene	54.40%	2

Technology



The plasma decomposition process effectively breaks down VOCs into harmless byproducts.

How it Works

Air passes through a low-temperature plasma discharge area, creating a mixture of ions, atoms, and free radicals via catalytic reaction. These active substances diffuse into the air to actively break chemical bonds of pollutants and destroy bacterial cell membranes, converting harmful substances like formaldehyde and benzene into water (H₂O) and carbon dioxide (CO₂).