

# 555 PRO ION GENERATOR

The professional solution for the efficient neutralization of unpleasant odors

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Plasma generation  
**2,000,000**  
Positive Ions/Sec  
**30,000,000**  
Negative Ions/Sec

Sound level  
**<65 dB**



## KEY DESIGN FEATURES

- High-efficiency sterilization: the effect of plasma sterilization is very strong, and the action time is short, which is can't be compared with high-intensity ultraviolet.
- High-efficiency degradability: the plasma disinfectant can also degrade the harmful and toxic gases in the air while disinfecting the air. According to the test report of the center for Disease Control and prevention, the degradation rate within 24 hours is 91% for formaldehyde, 93% for benzene, 78% for ammonia and 96% for xylene. At the same time, it can effectively remove pollutants such as smoke and smoke smell.
- Easy to operate: there is only one knob to set the timer.
- Soft magnetic stickers for mosquito prevention are attached.
- Low energy consumption: the power of the plasma air disinfection machine is 1 / 10 of that of the ultraviolet disinfection machine, which is very energy-saving. For a room of 30m<sup>3</sup>, the plasma machine is 20W and the ultraviolet machine is more than 200W, saving more than \$100 a year.

## SPECIFICATIONS

Power	110V-220V / 50-60HZ, 0.8A
Air Flow	100 CFM / 170 CMH
Sound Level	< 65 dB
Plasma Generation	2,000,000 Positive Ions/Sec 30,000,000 Negative Ions/Sec-Silver
Size For	600 Sq. ft
Dimensions(L×W×H)	9.8 x 6.5 x 8.7 in
Timer	3 h
Ambient Temperature Requirements	14°F ~ 95°F
Weight	3.52 lbs
Humidity Range	< 55%

## APPLICATION

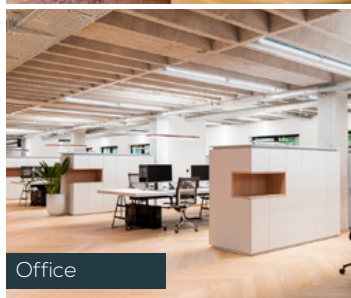
- Whole-House
- Basements & Crawl Space
- Apartments
- Dorm Room
- Gym & Locker Room
- Hotel/hostel
- Garages
- Office
- Laundry/Bathroom
- Hospital



Hotel



Gym



Office



Residential

## EFFECTIVE FUNCTIONAL PRINCIPLE FOR ODOR NEUTRALIZATION

1. Odor neutralizers of the 555 Pro Ion Generator are plasma field ionizers the operating principle of which, its basis being provided by dielectric barrier discharges, can be compared with the one of ozone generators, though they work with a lower energy input.
2. The air passed through is subjected to electric glow discharge (ionization) in the device, fission products only being generated as reactive oxygen species within the stationary plasma: singlet oxygen and its modifications as well as atomic oxygen as a free radical, which, among other things, is also a pre-stage product for the generation of oxygen here.
3. These free oxygen radicals are characterized by a high oxidation potential, the odor particles, pollutants, bacteria and microorganisms, like for example mould spores, which are present in the drawn-in air in this process are subjected to an oxidative degradation, which is yet supported by the presence of hydroxyl radicals. During operation in ventilated rooms and with a distance of approx. 2 m to the ion source, plasma field ionizers also admit the presence of persons.

## OTHER DESIGN FEATURES

- Easy to control interface: Through the knob on the control panel, you can start and run the plasma machine in a few seconds.
- Metal shell: the metal shell may be very heavy, but the shell designed with 304-grade stainless steel has the characteristics of anti-corrosion, easy to clean, and the overall baking paint treatment has a beautiful surface.



## FUNCTION DESCRIPTION OF PLASMA DISINFECTATION MACHINE

(description of the state of switch machine)

1. OFF is the default shutdown state, the startup state is ON, the indicator light is on, and the plasma generator and fan are always in operation.

2. Turn the knob arrow to the corresponding position and set the running time to the corresponding working time between 00:00 and 3:00,

During the operation, the indicator light is on and the plasma sterilizer and fan are always running. When the knob arrow returns to OFF, the machine is turned off.

## WHY WE NEED AN ION GENERATOR?

The 555 Pro Ion Generator is used to neutralize the smell in a closed room. The fan draws air from the surrounding air, guides it through the electrodes, and then blows it out of the socket gap and returns to the room for treatment.

The odor neutralizer can effectively remove odors such as kitchen or musty odor, smoke odor, or residual odor after fire.

