

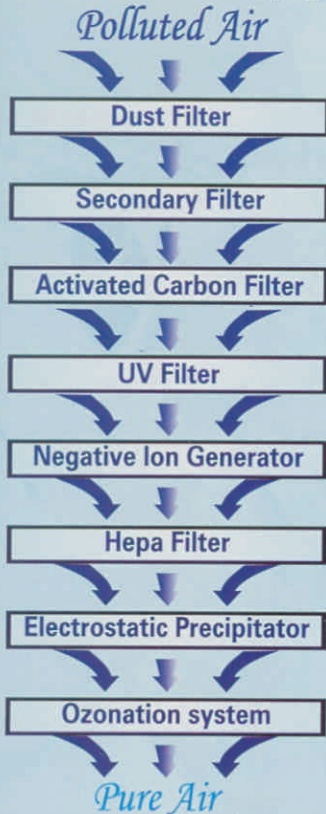
# AIR STERILIZING SYSTEM OZEIN AIR



Sterilization system device for airborne disinfection in medical environment, Hospitals, Surgeries, Dental, offices and diagnosis rooms.



## Air Purification Cum Sterilization System



### Eight Steps of Air Sterilization

#### STAGE-1

Dust filter traps particles upto 15 microns. This includes dust particles, hair, lint fibers, insects and other particulate substances above 15 micron.

#### STAGE-2

Secondary filter traps particles up to 5 micron size such as fine dust particles, pollen grains etc.

#### STAGE-3

Activated carbon filter removes odors, fumes, inorganic substances such as NO<sub>2</sub> and CO and organic compounds such as formaldehyde and fumes of halogens and other chemicals. Activated Carbon adsorbs particles from air.

#### STAGE-4

UV rays (2537A<sup>0</sup> or 253.7nm) kill microbial cells present in air by destroying their genetic material with an efficiency of 90-99%

#### STAGE-5

A Digital Negative Ion Generator is another excellent feature which ultimately leads to better air quality. Negative ions get attached to dust particles / pollutants making them heavier and precipitate them on the floor. This leads to cleaner air.

#### STAGE-6

Hepa Filter traps all biotic and abiotic particles known to be present in the air. 0.3 micron porosity of the filter results in 99.97% efficiency. Only pure air passes through this porosity.

#### STAGE-7

Electrostatic precipitator, a wonderful feature, high D.C. current which attracts & retains all the pollutants of air that pass through it.

#### STAGE-8

Ozonation system with a programmable digital timer. Ozone sterilizes air by oxidation of inorganic and organic substances. 99.9% of bio contaminants are killed and eliminated by Ozone.

*When the system is producing Ozone(Stage-7) then Stages -4,5 & 6 are automatically switched off and vice-versa*

### Technical Specifications:

Dimensions	: 28" x 21" x 10"	Area Recommended:	up to 4000 Cubic feet
Gross Weight	: 22 kg (Approx)	Digital Timers	: Two (for mains and Ozone)
Voltage Required	: 230 V AC, 50 Hz		



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