



The Best Air Purification Solution developed in Silicon Valley

## Airdog X5 Air Purifier



The Airdog X5 air purifier puts your health and the health of the environment first. You'll stop inhaling everyday indoor air pollutants and breathe cleaner air than with any of the more traditional air purifiers on the market.

Beyond traditional ionic technology, Airdog's patented TPA<sup>®</sup> technology is tested as the most effective clean air solution on the market. Airdog air purifiers destroy and eliminates particles down to 0.0146 micron and is a waste free solution to your dirty air problems. Learn more about how Airdog changes the way we breathe.

### TPA<sup>®</sup> filter structure



#### CATALYTIC LAYER

The catalytic layer is the final step in purification process that removes unpleasant odor - keeping your air fresh and pure.

#### COLLECTING PLATES

Charged particles stick to the collecting plates to remove dangerous toxins (up to 0.005 ppm) from the air.

#### IONIC FIELD

Charged particles are destroyed. Kills bacteria and germs. Third party lab tested and confirmed to kill 99.87% of influenza virus in one hour.

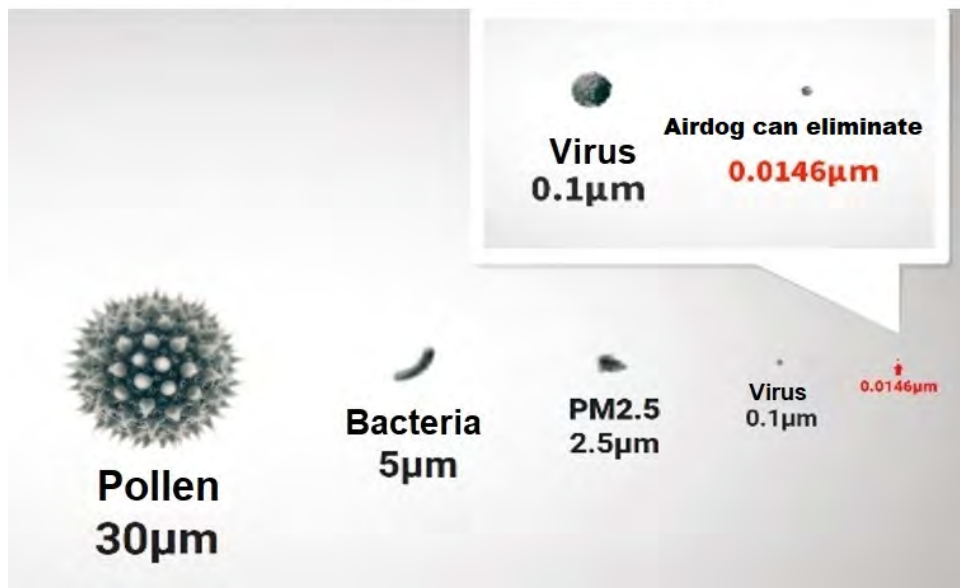
#### EMITTER WIRES

The Emitter Wires create an electro field that zaps dangerous particles (min. 0.00146  $\mu\text{m}$ ) that would be traveling into our lungs.

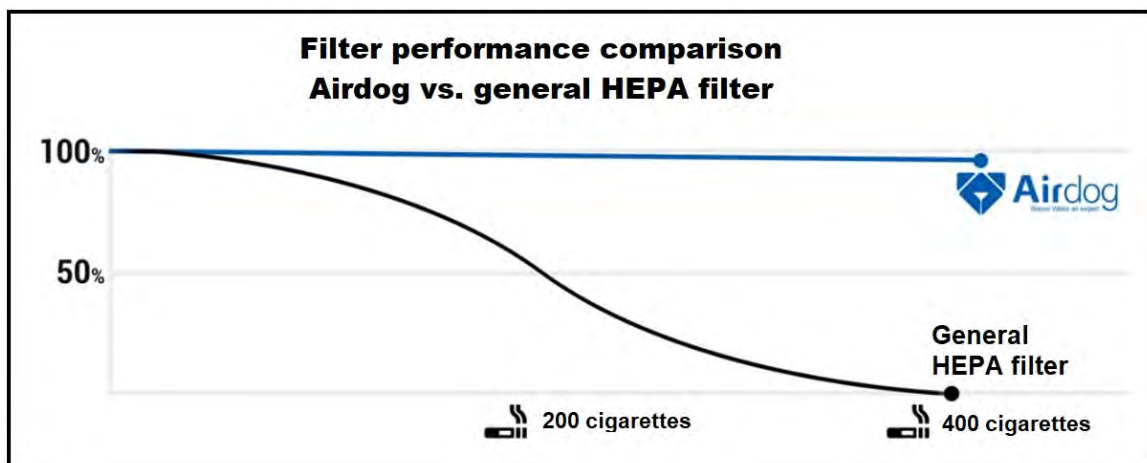
#### PRE-FILTER SCREEN

Air flows from the bottom and into the Pre-Filter Screen to collect hair, pet dander, etc.

## Size comparison



Airdog's ionic wind technology can effectively remove pollutant particles size down to 0.0146 microns (14.6nm) which is 100 times smaller than PM2.5, and actively kills bacteria and viruses in the air.



CCM (cumulative cleaning mass) is the technical term for how much filth a HEPA could trap before it loses 50% efficiency. For a typical HEPA air purifier, lab researchers have quantified 45 cigarettes smoke would yield failure. To add some perspective, after 440 cigarettes, about 10x more than HEPA's 45, Airdog's cleaning capacity only drops-0.2%! That means Airdog can take 10x more smoke and stay 50x stronger in cleaning capacity.