

ENHANCE·ION™

BIPOLAR FILTRATION ENHANCING IONIZER



**Improve Indoor Air Quality
by Maximizing your
Filter Performance**

THE NEXT STEP FOR BETTER AIR

Bipolar ionization has been used for decades to charge and attract small airborne particles together. This allows them to be easily captured by HVAC filter media. ENHANCE-ION is the next generation bipolar ionization system designed to improve filtration effectiveness.

ENHANCE-ION enhances the ability of the HVAC filter to capture airborne contaminants and pollutants, effectively turning a standard filter into a higher-efficiency filter.

MERV 7 filter with ENHANCE-ION:

Improved capture rate by 38% vs MERV 7 filter alone.

MERV 8 filter with ENHANCE-ION:

Improved capture rate by 18% vs MERV 8 filter alone.

FEATURES/BENEFITS

Helps capture airborne contaminants and pollutants, including PM2.5
(Fine particulate matter less than 2.5 microns in diameter)

Increased filtration efficiency

Easy installation

Flexible installation incl. magnet mount

3-year warranty

Long lasting and effective

Turbulence generator

Optimum ion distribution

Low maintenance design

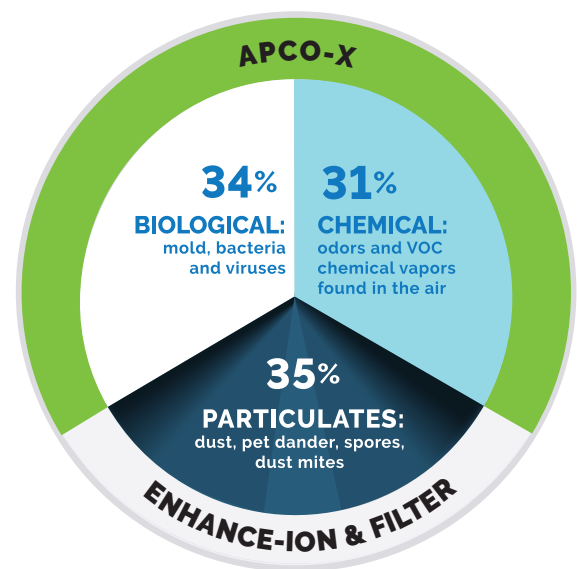
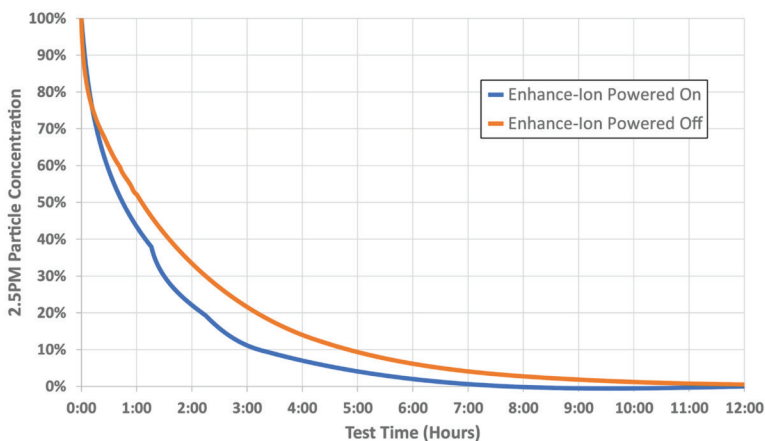
Minimal maintenance

LED Indicator

To provide operational feedback

3RD PARTY LABORATORY TEST RESULTS

**Enhance-Ion PM2.5 Particulate Draw-Down Testing
Using MERV 7 Filter & 6 Air Exchanges Per Hour**



ENHANCE-ION's effectiveness was laboratory tested in an ASHRAE 52.2 test rig and clean room chamber measuring 1000 cu. ft. on particle sizes ranging from 1 to 10-microns. Based on an air recirculation rate of 6X per hour a 38% and 18% improved capture rate was recorded for MERV 7 and MERV 8 media filters, respectively.

Airborne particles sizes ranged from 0.3 - 10 Microns.

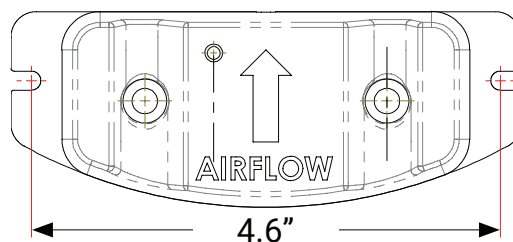
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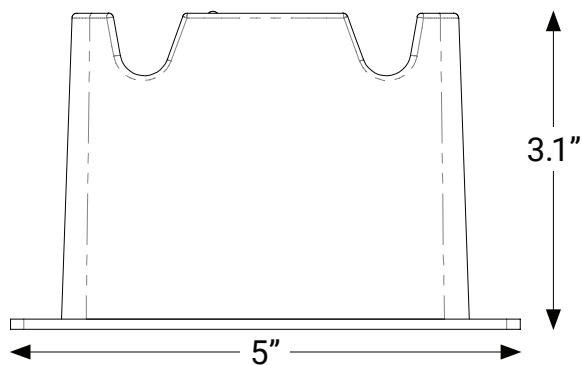


ENHANCE-ION Bipolar Ionization Specs			
Dimensions	Unit 5"L x 3.1"H x 1.9"D	Current Draw	<20mA
Weight	0.5lb.	Positive Ion Concentration	30x10 ⁶ ions/cm ² @5cm
Input Voltage	18-32VAC	Negative Ion Concentration	45x10 ⁶ ions/cm ² @5cm
Power Usage	0.36W-0.64W	Warranty	3-Year warranty
Power Indicator	LED	Part Number	TUV-BIPO-ER

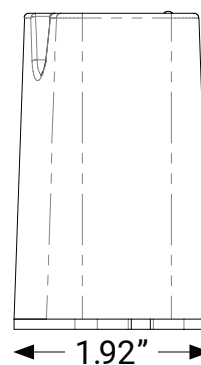
Top



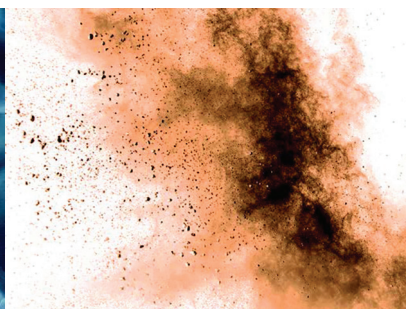
Front



Side



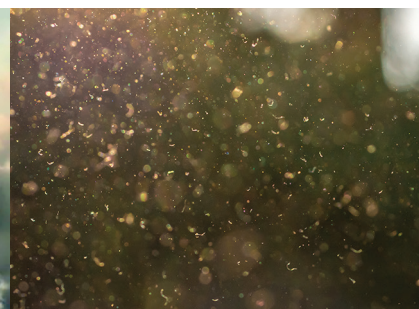
SMOKE



DUST



AIR POLLUTION



PM2.5