NEW OFFERING…Needlepoint Bipolar Ionization

The proven technology offered in our **Air King ION** units delivers clean indoor air that is safe and healthy, producing neither ozone nor other harmful by-products. All of our ion units utilize ***Needlepoint Bipolar Ionization*** (NPBI) technology that is UL approved. Through NPBI, our products purify the air by eliminating airborne particulates, pathogens, and gases/odors.

How It Works…

The NPBI (ION) technology works to safely clean the air inside your building. The patented technology uses an electronic charge to create a plasma field filled with a high concentration of + and – ions that replicate those commonly found in nature. As these ions travel with the air stream they attach to particles, pathogens and gases/odors. As the ions attach to airborne particles (including fine, sub-micron particles) they are then attracted to each other, making the particulate more easily filterable and increasing capture efficiency. The ions kill pathogens by robbing them of life-sustaining hydrogen. The ions breakdown harmful gases/odors into harmless compounds like O_2, CO_2, N_2, and H_2O.

*** The ONLY ionizer certified by UL 867 and UL 2998 to be **ozone free**. ***

Use In Ambient Air Cleaners…

Air King Filtration is the 1st industrial air cleaner manufacturer to incorporate NPBI (ION) technology as an option for use in our ambient air cleaners. These ionizers can be installed at the factory as an option on the "clean air side" of any of our M-11, M-25, or M-30 Series units. The filters in our units will continue to provide "active" filtration of the dirty air passing through them, while the ionizer projects ions via the exhaust air to provide "passive" air filtration outside of the unit. The ions produced travel within the air stream into the occupied spaces, cleaning the air everywhere the ions travel, even in spaces unseen.

3rd Party Testing Summary

Pathogen	Kill Rate	Test Agency
Tuberculosis	69.09%	EMSL
Norovirus	93.50%	ATS Labs
MRSA	96.24%	EMSL
Staphylococcus	96.24%	EMSL
Mold Spores	99.50%	GCA
E.coli	99.69%	EMSL
Coronavirus (COVID-19)	TBD	TBD

NOTABLE USERS of NPBI (ION) Technology:

Mayo Clinic
Boston Children's Hospital
Houston Memorial Hospital
Baylor UMC
The White House
Clemson University
Harvard University
Charlotte Airport