



Compact, self-contained, and simple to use... allowing ions to travel with the air stream and **clean the air** everywhere the ions travel - **even in spaces unseen.**

ION-TF48



Air King's

ION-TF48 is designed for use anywhere that pathogens or odors are a concern. The **Needlepoint Bipolar Ionization (NPBI)** technology utilized in this unit uses an electronic charge to create a plasma field filled with a high concentration of **+ and – ions** that travel with the air stream and attach to particles, pathogens, and gases/odors.

Pathogens – The ions attack and inactivate viruses, mold spores, and bacteria by stealing away life-sustaining hydrogen from the pathogens, leaving you with clean and healthy indoor air.

Gases/Odors – The ions cause chemical, cleaning, and other gases/odors to break down into basic compounds like O₂, CO₂, N₂, and H₂O, leaving the air free of any smell.

*An **ion** is a molecule or atom that is positively or negatively charged, meaning that it has electrons to give or needs electrons to become uncharged, thus becoming stable.

FEATURES

- Needlepoint Bipolar Ionizer producing >400 million + and – ions per cc/sec
- 1/4hp, direct drive motor/blower with fully variable speed control
- 100% self-contained unit requires no additional ducting
- 4-way louvers for airflow pattern control
- Durable, 16-gauge powder-coated steel construction
- Easy to relocate to accommodate growth/space redesign
- Installed via wall brackets or suspended via chain/cable

3RD PARTY TESTING SUMMARY

Pathogen	Inactivation Rate
Tuberculosis.....	69.09%
Norovirus.....	93.50%
MRSA.....	96.24%
Staphylococcus.....	96.24%
Mold Spores.....	99.50%
E.coli.....	99.69%
SARS-CoV-2/COVID-19	99.40%

The **Air King** ION-TF48 is extremely versatile and is designed for use in small to mid-size spaces such as classrooms, office spaces, break rooms, lounges, or any area where smoke or odor is a problem or pathogen mitigation is a concern. The T-style configuration of these units has inlets on each end and exhausts the filtered air and ions from the center of the unit.

The ION-TF48 features (2) two-inch pleated, Merv 10 industrial filters which catch airborne particulate as the air is drawn through the unit. All the while the patented, self-cleaning ionizer produces a high level of ions to continually saturate the air stream for active filtration. These ions help neutralize odors, inactivate pathogens, and agglomerate particulate to make it more easily captured in your filters and removed from your space. Our disposable filters are easy to service and provide for simple, low-cost maintenance.

SPECIFICATIONS	ION-TF48
Volts/Hertz	115V / 60 Hz
Motor	1/4HP PSC
Power	3.8 amps
Rated Airflow	1100 CFM (max)
Airflow Travel Distance	70 ft.
Speeds	Variable
Cord Length	10 ft.
Unit Weight	60 lbs.
Unit Dimensions (LxWxH)	16 x 28 x 16 in.
Housing	16ga powder-coated steel
Thermal Overload Protection	Yes
Needlepoint Bipolar Ionizer	>400 million per cc/sec

BENEFITS OF NPBI TECHNOLOGY

- **Pathogen inactivation:** the ions created by the plasma generator attack viruses, mold spores, and bacteria. The ions steal away hydrogen from the pathogens rendering them inactive. The Needlepoint Bipolar Ionization (NPBI) technology used in our units has been **tested and proven to inactivate 99.4% of the actual SARS-CoV-2/ COVID-19 virus in a lab setting.**
- **Odors neutralized by destroying VOCs:** cigarette/cigar smoke, cooking odors, pet odors, and chemical odors are broken down into basic compounds like oxygen, carbon dioxide, and water vapor, free of any smell.
- **Virtually ozone free:** the ionizer used in our ION Series of units is **certified by UL 867.**
- **Additional applications:** NPBI technology has passed the stringent DO-160 test proving it does not generate EMF, line noise, or interfere with avionics in any way. It can therefore be considered for use in aviation, healthcare, and other applications without interference with imaging equipment.



Air King industrial air cleaners have been manufactured in the U.S. since 1978. Sold through dealers throughout the United States and Canada, we have thousands of units in service. All dealers are supported by the factory with our readily available inventory of parts. Please contact your dealer with additional questions, or submit your information via our website at www.AirKingFiltration.com, and we will direct you to a dealer nearest you.