



# CLEAN AIR SYSTEM

**TRIED. TESTED. PROVEN ION TECHNOLOGY.** Verified through independent third-party laboratory tests, Big Ass Fans' Clean Air System pairs powerful airflow with proven ion technology to deliver elevated ion concentrations to occupied spaces.

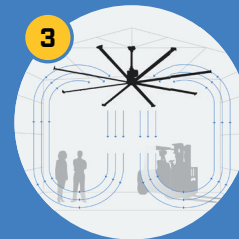
## HOW IT WORKS



**1** Our proprietary bipolar ionizer generates ions without harmful ozone.<sup>1</sup>



**2** The fan's airflow moves massive amounts of ion-enriched air.



**3** Comforting airflow and elevated levels of ions are delivered to the occupied space.

## VERIFIED TEST RESULTS

- Clean Air System has been tested to successfully deactivate pathogens.<sup>2</sup>
- Ions have a neutralizing effect on pathogens that are in the air and on surfaces.<sup>2</sup>
- Clean Air System delivers elevated ion levels and more direct airflow to the occupied space as compared to many traditional in-duct systems.

## READY FOR COMFORT?

Contact us for a Clean Air System consultation. Our experts will analyze your space and provide a customized recommendation.



Visit [zogics.com/cas](http://zogics.com/cas)  
or call 888.623.0088

### Clean Air System Validated by Third-Party Independent Labs

**1** UL 2998 and UL 867

**2** The Big Ass Fans Clean Air System Ion Generator (1) kills >90% of viruses on surfaces in 30 minutes and kills >99.9% of viruses on surfaces in 60 minutes; (2) kills >96% of bacteria and fungi on surfaces in 60 minutes; and (3) kills >97% of the SARS-CoV-2 virus in the air in 30 minutes and kills >99.99% of the SARS-CoV-2 virus in the air in 60 minutes. Testing based on (1) virus testing includes Equine Herpes Virus, Influenza A virus, Influenza B virus, Rhinovirus and SARS-CoV-2; (2) bacteria testing includes Escherichia coli, Methicillin Resistant Staphylococcus aureus (MRSA) and Streptococcus equi and Fungi testing for Aspergillus niger; and (3) virus testing in air includes SARS-CoV-2.

*All Ion and UV-C testing was completed in enclosed indoor spaces. In outdoor spaces overhead and directional fans can increase dilution airflow in occupied spaces. Fan operating speed is proportional to the airflow delivered by the fan. Increased operating speed will increase the generation of ions for fans with ionization technologies. Increased operating speed will increase the rate of room air mixing for fans with ionization or UV-C technologies. As all environments are unique, Big Ass Fans recommends monthly inspections of your ion generators for power light status and dirt accumulation. Use a soft dry cloth or compressed air to remove any accumulated particulates or dirt.*



*Big Ass Fans Clean Air Technologies Certifications:*  
EPA Est. 97457-KY-1  
Tested to Industry Standard UL 2998 and UL 867  
IEC 62471  
UL 1598  
EMC Passed  
Complies with the American Conference of Governmental Industrial Hygienists (ACGIH®) TLVs® guidelines when installed as directed.

Visit [cleanairstem.com](http://cleanairstem.com) for details on experiments and testing procedures.