

# MINI ION DISTRIBUTION UNIT

## AIRBORNE AIR & SURFACE PURIFICATION SYSTEM



**SCIENTIFICALLY  
PROVEN TO KILL  
SARS-CoV-2  
(COVID-19)**

### BiPolar Ionization

- ✓ Neutralizes SARS-CoV-2 (COVID-19).
- ✓ Neutralizes Surface Pathogens.
- ✓ Neutralizes Airborne Pathogens.
- ✓ Inactivates Mold and Bacteria.
- ✓ Controls Odors.
- ✓ Improves Indoor Air Quality.
- ✓ Reduces Static Electricity.
- ✓ Reduces Dust, Pollen and Smoke.
- ✓ Neutralizes Common Industrial Gases.
- ✓ Does Not Produce Harmful Ozone.



Part Number **ACA3200GU-1**

The MINI ION DISTRIBUTION UNIT produces approximately 52 million positive and negative Ions/cc/second maintaining a <12.0 EVP (electron volt potential), producing no harmful Ozone in the conditioned space, neutralizing up to 99.7% of both airborne and surface pathogens. This powerful 925 CFM blower unit operates on 110 VAC while consuming only 2.3 amps, and comes with a weather resistant 3 speed switch, a mechanical timer and a 10 foot grounded power-cord.



**ACA**  
AVIATION CLEAN AIR

*Cleaning the Air We Breathe in Flight*



**International Aero  
Engineering**

*"Creating the Standard Others Follow"*

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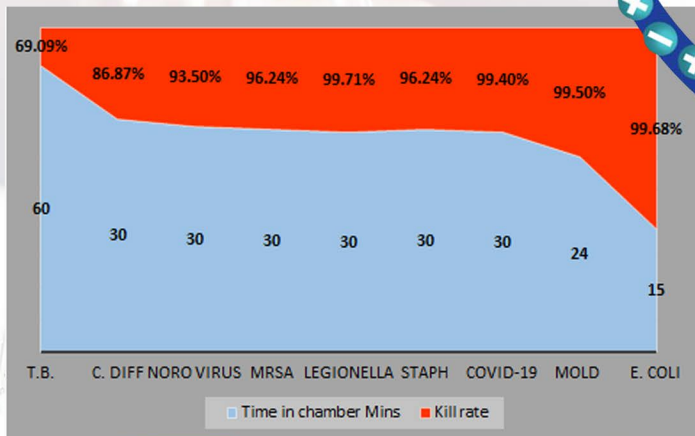
**The MINI ION DISTRIBUTION UNIT uses our patented NPBI™ Ionization technology to provide clean air and sanitized surfaces in enclosed environments.**

When air flows through the powered blower unit, the MINI ION DISTRIBUTION UNIT proactively kills pathogens in the air and on surfaces. It also removes existing odors and allergens.

The MINI ION DISTRIBUTION UNIT is effective wherever the ionized air reaches - floor to ceiling, wall to wall and cockpit to baggage. The unit removes all pathogens, odors, as well as other VOCs generated by cooking, cleaning, stagnant air, cigarette/cigar smoke and many other sources. The MINI ION DISTRIBUTION UNIT Neutralizes pathogens including, SARS-CoV-2 (COVID-19), the common cold, flu of all types and variations, MRSA, C. diff, E. coli, M. terrae, pneumonia and polio. The MINI ION DISTRIBUTION UNIT reduces static electricity. The MINI ION DISTRIBUTION UNIT with BiPolar Ionization technology is environmentally friendly and works by duplicating and accelerating nature's cleaning process, without the use of any chemicals.

- Neutralizes - SARS-CoV-2 (COVID-19)
- Neutralizes - Airborne and Surface Viruses,
- Neutralizes - Bird Flu Virus (H5N1),
- Neutralizes - Swine Flu Virus (H1N1),
- Neutralizes - SARS Virus,
- Neutralizes - Staph Bacteria,
- Inactivates - Mold Spores,
- Neutralizes - MRSA,
- Neutralizes - E.coli, T.B.
- Neutralizes - C.diff and more...

- Reduces - Dust
- Reduces - Pollen
- Reduces - Cigar and Cigarette Smoke
- Neutralizes - Common Industrial Gases
- Controls - Odors
- Reduces - Static Electricity
- Improves - Indoor Air Quality
- Produces No Harmful Ozone



PN ACA3200GU-1



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# MINI ION DISTRIBUTION UNIT

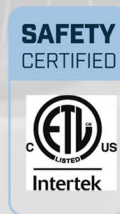
## SPECIFICATIONS

BiPolar Ionization ION Delivery System



110 VAC  
2.3 AMP BLOWER  
1/4 HP MOTOR  
925 CFM  
3 SPEED SWITCH  
1000, 1250, 1500 RPM  
ADJUSTABLE OFF TIMER  
10' 14 AWG CORD  
GROUNDED PLUG  
2 ADDITIONAL POWER OUTLETS  
DAISY CHAIN UP TO 5 UNITS  
Total Weight: 12 POUNDS  
Part Number ACA3200GU-1

Electron Volt Potential: <12  
Output: Approximately 52 Million positive (H+) and negative (O<sub>2</sub><sup>-</sup>) ions/cc/second  
Pressure Drop: 0.05" W.C. @5,000 FPM  
Electrode Material: Carbon Fiber  
Temperature Range: -40°F to +140°F  
Humidity Range: 1-99% Non-Condensing  
Does not produce Ozone



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**How it works:**

The Mini Ion Distribution Unit is not a filter. The Mini Ion Distribution Unit electronically creates positive and negative ions from Hydrogen and Oxygen molecules in the water vapor present in the air. This replicates nature's cleaning process with nothing else added. These ions have the property of clustering around micro particles, gases, airborne mold spores, viruses and bacteria. As this occurs, a natural reaction takes place on the cell membrane surface of airborne biological(s) where they rob the harmful biological of a hydrogen atom. As a result, the pathogens are inactivated and odors are disassembled naturally. The pathogen will not be able to reproduce and will quickly die and the odors are converted to virtually pure air thereby eliminating the threat of the pathogens and odors to human health and comfort.

**Mechanism of Ionization for Inactivating Airborne Fungi:**

The positive (H+) and negative (O<sup>2-</sup>) ions cluster together on the surface of airborne fungi, causing a natural reaction which inhibits the growth and or infestation of mold and in turn [as a by benefit] controls the musty odors related to mold growth (sour sock smell). This process is a replication of nature's method for Inactivating Airborne Fungi with nothing else added.

**Mechanism of Ionization for Inactivating Airborne Virus:**

The positive (H+) and negative (O<sup>2-</sup>) ions surround the hemagglutinin (surface proteins that form on organisms and trigger infections). These groups take a hydrogen molecule from the hemagglutinin and change it into water (H<sub>2</sub>O). The ions destroy the virus surface structure. It envelops the structure of the virus on a molecular level. As a result, the virus cannot infect even if it enters the body. This process is a replication of nature's method for Inactivating Airborne Viruses with nothing else added.

**Mechanism of Ionization for Inactivating Airborne Allergens:**

The positive (H+) and negative (O<sup>2-</sup>) ions surrounds the airborne allergen which deactivates the molecules of the IgE antibody-binding site of the allergen. No allergic symptoms occur even if allergens enter the body. This process is a replication of nature's method for inactivating Airborne Allergens with nothing else added.



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