

The ASI-2800 Ion Dispersal Unit (IDU) is a portable ion generator and blower assembly that eliminates airborne and surface pathogens in aircraft cabins and other similarly enclosed spaces or rooms.

The ASI-2800 is powered by the Needle Point Bi-Polar Ionization (NPBI) generator which purifies indoor air and does not require any special maintenance or replacement parts like UV lights or other ionizer products. Unlike these other products, this bi-polar ion generator does not create ozone or any other harmful by-products. The ASI-2800 IDU produces an output of over 2,000,000 positive and negative ions per cc. These ions create a plasma region that actively purifies the treated area by killing bacteria, mold and viruses both in the air and on exposed surfaces. This process also reduces allergens, smoke and static electricity as well as helping to control odors.

When ions come in contact with bacteria, mold or viruses, they remove the hydrogen molecules from the pathogens. Without hydrogen, these pathogens have no source of energy and will quickly die.

The ASI-2800 IDU eliminates up to 99.7% of bacteria and viruses including SARS-Cov-2 (Covid 19), MRSA, Staph, Influenza (Including H1N1 and H5N1), Tuberculosis, E.Coli and Legionella.

A minimum average of 6,000 ions/cc for 1-2 Hours is suggested to properly decontaminate an aircraft cabin, enclosed area or room. An Air Ion Counter (AIC2MJ or equivalent) should be used to verify the minimum ion count throughout the treated area during decontamination.

A single ASI-2800 should be able to decontaminate most small-medium sized aircraft cabins or rooms. However larger aircraft and rooms may require multiple ASI-2800's in order to meet the minimum ion average requirement.



ASI-2800 IDU Features:

- NPBI Commercial Series Ion Generator
- Continuously Produces over 2,000,000 +/- Charged Ions
- Self Cleaning Carbon Brushes
- Rated Temperature Range: -40°F to 160°F
- 3 Blower Output Operating Positions: 0° / 45° / 90°
- 1/2 HP Blower Motor
- 115 VAC 60 Hz / 4.5 Amps (ASI-2800)
- 220 VAC 50 Hz / 2.1 Amps (ASI-2800-220)
- 2 Speed / 2,800 CFM Max Blower (ASI-2800)
- 2 Speed / 2,480 CFM Max Blower (ASI-2800-220)
- Size: 19" x 15" x 15" / Weight: 23 lbs
- 25 Ft Power Cord with Grounding Plug
- Self Cleaning - No Annual Maintenance Required
- Ions Produced Electrically - No Supplies / Chemicals to Buy
- Does Not Produce Ozone or Other Harmful By-Products

Laboratory results, in tests designed to mimic conditions like that of a commercial aircraft fuselage, have shown that after 30 minutes 99.4% of the SARS-CoV-2 (Covid-19) virus was inactivated when exposed to ions created with the Needle Point Bi-Polar Ionization (NPBI) Technology.

INNOVATIVE BIOANALYSIS

Kills Bacteria, Mold and Viruses including:

- *SARS-Cov-2 (Covid 19)
- *MRSA
- *Influenza (Including H1N1 and H5N1)
- *Staph
- *Tuberculosis
- *E.Coli
- *Legionella

ASI-2800 IDU Versions:

- ASI-2800 IDU for use with 115 VAC 60 Hz
- ASI-2800-220 IDU for use with 220 VAC 50 Hz



ASI Equipment Distributor:

Dallas Avionics, Inc. (dallasavionics.com)
 2525 Santa Anna Ave.
 Dallas, TX 75228
 Ph: 800-527-2581 / 214-320-9770

Optional Equipment:

PN	Manufacturer	Description
AIC2MJ	AlphaLab Inc.(alphalabinc.com)	Air Ion Counter (2 Million Ions/cc)