TECH-UV
Ultraviolet & Plasma Biosecurity

AirScout NPBI

Surface Teatment and Ionizer with Optional UV-C Ultraviolet Lighting

Needlepoint Bipolar Ionization (NPBI) technology works to safely disinfect surfaces and breathable air to an environment in which viruses cannot survive without using filters.

NPBI changes the air chemistry so that viruses cannot live in it or survive in it.

- Utilizes proven NPBI technology for pathogen removal and ionization of the air above 30,000 ions/cc with no chemicals, filtration or ozone
- Easy wall mount, comes in three sizes: 36" 48" 60" covering up to 4000 sq. feet with one head unit. (all 120v)
- Downward air blast provides high velocity discharge of ions with two fan speed selections from remote control
- Proven NPBI lab results deactivating SARS Cov 2 to 99.4% in 30 minutes treating all surfaces and breathable air in the facility
- UV-C Ultraviolet Lighting can be added for greater efficacy

Industry-leading Ionization Test Results

NPBI technology has demonstrated a 99.4% reduction rate on a SARS-CoV-2 (COVID-19) surface strain within 30 minutes, the first instance in which an air purification company has effectively neutralized SARS-CoV-2. Following initial testing of coronavirus 229E in March 2020, Global Plasma Solutions utilized its proprietary "needlepoint bipolar ionization" to inactivate SARS-CoV-2. The study was jointly executed with Aviation Clean Air. In this laboratory study, Aviation Clean Air designed a test to mimic ionization conditions like that of a commercial aircraft's fuselage. Based on viral titrations, it was determined that at 10 minutes, 84.2% of the virus was inactivated. At 15 minutes, 92.6% of the virus was inactivated, and at 30 minutes, 99.4% of the virus was inactivated.

Tech-UV Ultraviolet Germicidal & Plasma Systems
GPS Licensed Product and Sales Representative
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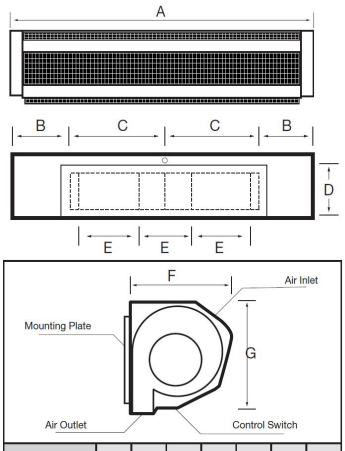
A REVOLUTION IN SURFACE AND AIR CLEANING TECHNOLOGY

DIMENSIONS



MODEL	A	B	C	D	E	F	G
AS-36	36	2	16	5	10	8	8 5/8
AS-48	48	8	16	5	10	8	8 5/8
AS-60	60	14	16	5	10	8	8 5/8

Remote Building Monitoring with IoT:

Tech-UV has partnered with SAMSARA remote IoT monitoring to collect critical building data. Monitor temperatures, ionic plasma concentrations, airflow, UV-C Ultraviolet Lighting efficacy, and much more from your phone or tablet.

How Ionization Works

Needlepoint Bipolar Ionization (NPBI) technology works to safely clean surfaces and air inside industrial, commercial and residential buildings without filters. The patented technology uses an electronic charge to create a plasma field filled with a high concentration of + and - ions. As these ions travel with the air stream they attach to particles, pathogens and gas molecules. The ions help to agglomerate fine submicron particles, making them filterable. The ions kill pathogens by robbing them of life-sustaining hydrogen. The ions breakdown harmful VOCs with an Electron Volt Potential under twelve (eV<12) into harmless compounds like O2, CO2, N2, and H2O. The ions produced travel within the air stream into the occupied spaces, cleaning the air everywhere the ions travel, even in spaces unseen.

Global Plasma Solutions (GPS) is the leader in Indoor Air Quality, with over 30 patents and more than 250,000 installations worldwide using our needlepoint bipolar ionization (NPBI) technology to deliver clean indoor air that is safe and healthy – producing neither ozone nor other harmful by-products. All of our NPBI products are UL and CE certified and registered and use NPBI to purify the air by eliminating airborne particulates, odors and pathogens.

Air Protected by
Tech-UV
Ultraviolet & Plasma Biosecurity
30Ki
Verified
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785.691.8452

Let your customers and employees know that the surfaces and breathable air in the building are covered with an ionic density of 30,000 ions/cc.

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