

RIA SafeGuard and SafeGuard Plus



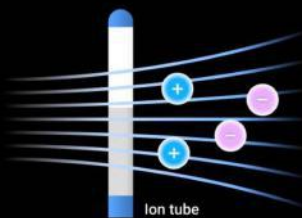
The RIA SafeGuard uses AtmosAir's proven Bipolar Ionization technology which has been extensively tested against the human coronavirus at MicroChem Laboratories (a level 3 Biohazard Lab) in the United States. In less than 30 minutes, AtmosAir's bipolar ionization neutralised over 99.92% of the Coronavirus. Further tests proved that AtmosAir's technology eliminated 99.9%+ of the H1N1 Influenza virus, 99.9% of the MS2 RNA virus, 99.9%+ of E.Coli and Staphylococcus.

AtmosAir's bipolar ionization used in the RIA has also received UL2998 and UL867 certification - no ozone produced.

The RIA SafeGuard saturates your indoor space with powerfully charged positive and negative oxygen ions, that attack these pathogens in the space as they are floating in the air at your breathing level, and on surfaces within that space, deactivating them. The RIA provides continuous disinfection and is proven completely safe to use in an occupied room. With its HEPA13 filter, and AtmosAir Bipolar Ionization, the RIA SafeGuard provides immediate, active and continuous protection.

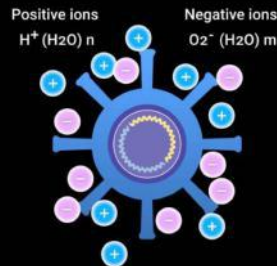
AtmosAir Technology has been installed in over 8,000 installations worldwide, and is trusted by: Changi Airport, NASA, Johns Hopkins Medical Center, Google, Apple, Disney, Hilton, CBRE, The Empire State Realty Trust, JLL, Columbia Realty Trust, Gensler, LAX, LaGuardia Airport, TripAdvisor, Bloomberg, Certis Cisco, Amazon, Ford, New York University, The US Department of Defense, and hundreds more.

AtmosAir Bipolar Ionization Tubes inside RIA



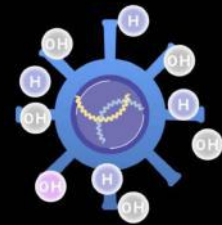
STEP 1: Airflow carries Oxygen molecules over the BPI tubes. This produces positively and negatively charged Oxygen ions in large quantities that saturate the indoor air.

Bi-Polar Ions Saturate the Indoor Air



STEP 2: These ions actively and continuously saturate the indoor air and attach to viruses, germs, bacteria, mould, VOC's, odours and PM 2.5, PM0.3 particles.

Bi-Polar Ions Deactivate the Virus



STEP 3: Bi-polar ions pull Hydrogen molecules of of Viruses to combine and form water vapor. This deactivates the virus, rendering it inactive. It can no longer infect people or animals even when inhaled.

Specifications

PRODUCT

RIA SafeGuard
 RIA SafeGuard Pro

ION OUTPUT

Single tube capacity
 Dual tubes capacity

COVERAGE AREA

≤ 100m² / 1076 ft²
 ≥ 100m² / 1076 ft²

ELECTRICAL RATING

120V / 240V, 50-60Hz, 60W
 120V / 240V, 50-60Hz, 65W

AIR FLOW

1200 CMH (4 ACH)

MAXIMUM NOISE LEVEL

≤ 61dB (Standard Mode)
 ≤ 75dB (Turbo Mode)

FILTER LEVEL

HEPA H13

DIMENSIONS & WEIGHT

42 x 28 x 90cm, 30kg

Laboratory Reports

- Coronavirus tested at Microchem Laboratory - ASTM E1053 NG15291
- Clostridium Difficile tested at Microchem Laboratory - ASTM E1153 NG7257
- H1N1 tested at Gmicro Testing - 2020F M12168R01E
- VOCs tested at Syracuse University - Report No. 2018BEEESL
- IAQ Testing Report tested at EMSL Analytical, Inc. - 371718751
- MS2 Bacteriophage tested at Antimicrobial Test Laboratories - NG6275
- Escherichia coli K12 tested at Antimicrobial Test Laboratories - NG6275
- Staphylococcus Saprophyticus tested at Antimicrobial Test Laboratories - NG6275
- Ozone (O₃) Testing Report tested at Intertek ETL (No Ozone)- 102097853CRT-001

Certifications

- Communate Europene (CE) LVD - ISETC.001820201022
- Communate Europene (CE) EMC - ISETC.001820201022
- CE Restriction of Hazardous Substances (CE RoHS) - CTB201022011CX
- Federal Communications Commission (FCC) - CTB201020017EX
- International Electrotechnical Commission (IEC) - IEC 60335-1

The Benefits of RIA SafeGuard

Thorough Purification Within the Entire Space

AtmosAir™ BPI technology continuously generates beneficial oxygen ions that purify and actively treat and eliminate molds, bacteria, and viruses (such as Coronavirus) in the air and the surface immediately.

Safe With People While In The Space

RIA SafeGuard will not produce substances harmful to the human body when it is in operation. Therefore, RIA SafeGuard can operate continuously in the coexistence environment with people so that the entire space can be continuously disinfected and purified.

Comprehensive Purification Technology

RIA SafeGuard has the most comprehensive purification technology. Through the proactive AtmosAir™ BPI instant purification technology and H13 medical-grade HEPA filter, these "ACTIVE" + "PASSIVE" technologies can offer complete protection.

Particle Decay

Particles, including PM0.3, stick to one another due to the ion charge (a process called agglomeration), fall out of the breathing range, and are more easily captured by the filters in the HVAC system.

99.9% Reduction in **Coronavirus**

99.9% Reduction in **MS2 Bacteriophage**

99.9% Reduction in **H1N1**

99.9% Reduction in **Staph and E.coli**

RIA + AtmosAir Bi-Polar Ionisation (BPI) Compared to Other Technologies

	AtmosAir BPI	Needlepoint Ionisation	Media Filtration (HEPA)	UV Light	PhotoCatalytic Oxidation (PCO)	Carbon Filters	Electronic Air Cleaners	Scent Generators	Ozone Generators (SEE NOTE #1)
Affects Contaminants "in the actual space"	✓	✗	✗	✗	✓	✗	✗	✓	✓
Reduces Odours	✓	✗	✗	✗	✗	✓	✗	✓	✓
Reduces VOC's	✓	✓	✗	✗	✗	✓	✗	✗	✓
Reduces Particles	✓	✗	✓	✗	✗	✓	✓	✗	✗
Effective on Bacteria, Germs and Viruses	✓	Partially	✗	✓	✓	✗	✗	✗	✓
Tested Contaminant Reductions in Occupied Space	✓	✗	✗	✗	✗	✗	✗	✗	✗
Produces Ozone	✗	✗	✗	✓	✓	✗	✓	✗	✓
Low Pressure Drop	✓	✓	✗	✓	✓	✗	✓	✓	✓
Re-engineering of HVAC Needed	✗	✗	✓	✗	✗	✓	✓	✗	✗
Reduces Energy Costs	✓	✓	✗	✓	✓	✗	✗	✗	✗
No Chemicals or Bi-Products Produced	✓	✓	✓	✗	✗	✗	✓	✗	✗
Maintenance	Every 2 years	When needles wear out	Quarterly	Every 6 Months	Every 6 Months	Monthly	Monthly	Monthly	Yearly

Notes:

- Ozone Generators and PCO are not effective at removing particles from your breathing space. At Ozone levels below the OSHA and Singapore NEA threshold of 0.05-0.075 ppm, Ozone and PCO will not kill viruses, germs, or bacteria. Ozone levels of over 10ppm are needed for effective disinfection – these ozone levels are toxic to humans.

V2.0-0921

