RGF® ENVIRONMENTAL GROUP, INC.

Most Advanced Air Purification Technology

U.S.ARMY

CENTRAL INTELLIGENCE AGENCY

THE WHITE HOUSE WASHINGTON

U.S. AIR FORCE

BAYER

Coca-Cola

THE RITZ-CARLTON®

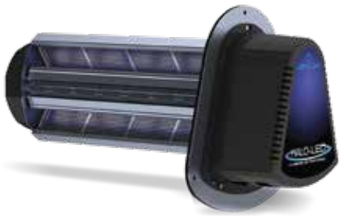
Disney

Nestlé

Clarus

clarus.id

NATURAL H_2O_2 MOLECULES BASED TECHNOLOGY



RGF Environmental Group, Inc. manufactures the most advanced Air Purification system with PHI-Cell® technology in USA.

This technology converts a small amount of water molecules H_2O to natural and safe H_2O_2 molecules that act as the cleaning agents.

These molecules fill the room and clean everything that they touch, both in the air and all surfaces.

On the other hand, HEPA cleans only air that passes through the equipment:

- Ineffective when sick person(s) or offending source(s) is in the room.
- Ineffective when germs/offending source(s) are on/from surfaces.

In this situation, people are exposed before HEPA has a chance to clean.

In contrast, H_2O_2 molecules are always surrounding, protecting anyone in the room and cleaning any surfaces indoor.

BENEFITS OF H_2O_2 MOLECULES

NATURAL AND SAFE

These molecules are SAFE for humans, animals and plants.

- Abundant outdoor in atmosphere when sun light is presence and turns H_2O to H_2O_2 temporarily.
- H_2O_2 molecules cyclically turn back to H_2O molecules.

CLEAN GERMS

Deactivate Virus/Bacteria/Molds in air and surfaces:

- Prevent spreads of pathogens even when the sick person is in the room.
- Protects people from pneumonia, skin and metabolic diseases.
- Disinfect all surfaces in the room including furniture, door handles, floors, etc.
- Reduce the growth of molds thus protecting valuable leather goods, bags, shoes, paintings, consumables, etc.

CLEAN VOC'S

Neutralize VOC's including Formaldehyde and Ethylene:

- VOC's sources: furniture, fresh paints, cleaning agents.
- VOC long exposure may cause cancer, abortions, infertility, respiratory/kidney/liver diseases.

CLEAN SMOKES

Reduce smoke in the air:

- Help reduce smoke caused by cigarettes, cooking, and other burning processes.

CLEAN ODORS

Neutralize odors in air and surfaces:

- Removes all kinds of odors from cigarettes, cooking, human body, chemicals, food, pets, organic waste, human and animal waste, etc.
- Also removes odors from surfaces such as furniture, carpets, kitchen, etc.

APPLICATIONS

- **HOSPITALS**
  Prevent the spread of pathogens and increase patients' recovery time.
- **RESTAURANTS**
  Prevent contamination from food handling and reduce smoke and odors.
- **RESIDENTIALS**
  Protect valuable items such as leather goods and paintings, etc.
- **HOTELS**
  Removes unpleasant odors in public areas and rooms.
- **ELEVATORS**
  Continuously disinfect surfaces from contaminations and prevent the spread of pathogens in the air.
- **SMOKING ROOM**
  Reduce/eliminate smoke and odors.
- **OFFICE BUILDINGS**
  Increase the indoor air quality index to attract / retain tenants.
- **SUPERMARKET**
  Remove unpleasant odors from the meat/seafood sections and prevent contamination from food handling.
- **PHARMACEUTICALS**
  Help continuously disinfect clean rooms and other areas thus reducing risks of contamination.
- **FOOD PROCESSING**
  Help increase levels of food sanitation thus preventing contamination and reducing unpleasant odors.
- **WAREHOUSES**
  Reduce the rate of mold growth and other potential contamination of pathogens.

TEST RESULTS

MS2 Bacteriophage - Virus
Testing Summary: 99+% Airborne Inactivation of MS2 Bacteriophage

SARS-CoV-2 - Virus
Testing Summary: 99+% Airborne Inactivation of SARS-CoV-2 (Virus causing COVID-19)

Avian Influenza/Bird Flu – Virus
Tested by Kansas State University
Inactivation Rate 99+%

H1N1/Swine Flu – Virus
Tested by Kansas State University
Inactivation Rate 99+%

Norovirus/Norwark Virus
Tested by Midwest Research Institute
Inactivation Rate 99+%

Bacillius Globigii – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

Bacillus Cereus/B. Cereus – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

C. Diff./Clostridium Difficile – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

E. coli/Pathogenic Escheria Coli – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

Legionella – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

Listeria Monocytogenes – Bacteria
Tested by Kansas State University,
Streis Labs, KAG/Eco Labs
Inactivation Rate 99+%

Methicillin Resistant Staphylococcus Aureus (MRSA) – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

Pseudomonas Sp. – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

Salmonella – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

Staph / Staphylococcus Aureus – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

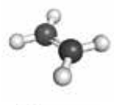
Streptococcus Pneumoniae – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

Streptococcus sp/Strep – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

Tuberculosis – Bacteria
Tested by Kansas State University
Inactivation Rate 99+%

Mold – Yeast – Bacteria
Tested by California Microbiology Center
Mold: 97-98% reduction
Yeast: 90+% reduction
Bacteria: 99% reduction

Stachybotrys Chartarum – Fungus/mold
Tested by Kansas State University
Inactivation Rate 99+%



Ethylene / C2H4 – VOC
Testing Summary: Ethylene levels were reduced 85+% within 12 hours

Formaldehyde / CH2O – VOC
Testing Summary: Formaldehyde levels less than 0.05ppm in 4 hours

Chemical Compounds – VOC
Tested by GC/MS Nelap Accredited Independent Lab
Hydrogen Sulfide (Rotten Eggs) – 80% reduction
Methyl Mercaptan (Rotten Cabbage) – 100% reduction
Carbon Disulfide (Vegetable Sulfide) – 30% reduction
Butyl Acetate (Sweet Banana) – 100% reduction
Methyl Metharcyline (Plastic) – 100% reduction

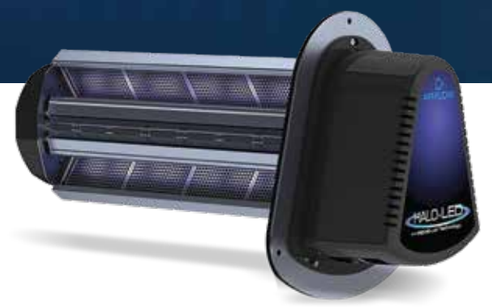
Odors – Perfume, Pet Odors, Cleaning Chemicals
Tested by C&W Engineering (Independent PE Firm)
Cleaning Chemicals – 55% reduction in 24 hours
Pet Odors – 72% reduction in 24 hours
Perfume Odors – 63+% reduction in 24 hours

Smoke Odors
Tested by C&W Engineering (Independent Firm)
Smoke Odors – 70% reduction

Suspended Particle
Tested by Kansas State University,
Performance Analytical Labs
12 hours ISO Class 4 (10,000 – 0.1um)
24 hours ISO Class 3 (1,000 – 0.1um)

Ozone – EMF-Safety Test
Tested by: ETL, TUV to UL standards, CSA, Kansas State
University, and other third parties to ensure compliance
with federal safety standards.
Tests passed Federal Safety Standards

PRODUCTS



HALO-LED™

- REME-LED™ technology: H_2O_2 molecules + Bi-Polar Ionization
- Certified Ozone Free
- Maintenance: replace UV-C light up to 5 years and washable catalyst
- Installation: ducting

Model #	HALO-LED™
Air Flow	250 – 6,500 CFM
Electricity	0.7 A, 17 Watts
Dimension	28cm probe/16.5cm x 19.5cm plate
Weight	2.7 kg
Power Supply	120/208/240 VAC 50/60 Hz

OZONE FREE · GERM FREE · DUST FREE · VOC FREE · LONG LIFE CELL · IONIZATION · LED UV CELL · HYBRID CATALYST

VERIFIED ZERO OZONE

GUARDIAN AIR QR+

- PHI-CELL® technology: H_2O_2 molecules
- Maintenance: replace UV-C light up to 2 years
- Installation: ducting

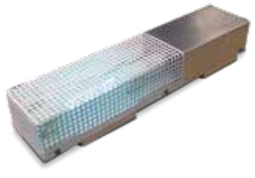
SAFE OZONE LEVEL · VOC FREE · GERM FREE

Model	QRP-5	QRP-9	QRP-14
Air Flow	300 – 1,200 CFM	1,000 – 6,500 CFM	10,000 – 18,000 CFM
Electricity	0.47 Amps, 11 Watts	0.6 Amps, 14 Watts	0.7 Amps, 17 Watts
Dimension	13cm Probe/14cm Dia. Plate	23cm Probe/14cm Dia. Plate	36cm Probe / 14cm Dia. Plate
Weight	1.4 kg	1.4 kg	1.8 kg
Power Supply	120/208/240 VAC 50/60 Hz		

PACKAGE PHI UNIT

- PHI-CELL® technology: H_2O_2 molecules
- Maintenance: replace UV-C light up to 2 years
- Installation: ducting, AHU/FCU, cabinet/package, cassette

GERM FREE · VOC FREE · SAFE OZONE LEVEL



PTAC UNIT

- PHI-CELL® technology: H_2O_2 molecules
- Maintenance: replace UV-C light up to 2 years
- Installation: AHU/FCU, cabinet/package, cassette, elevator

SAFE OZONE LEVEL · VOC FREE · GERM FREE

PROJECT REFERENCES

MICROCON® 600

› Filters: Pre-Filter, HEPA H13 Filter (optional: carbon and MC-X for airborne radioactive particles)
› Can integrate with HALO-LED™
› Maintenance: wash pre-filter every 6 months, replace HEPA filter every 2 years
› Installation: ducting via By-Pass method, standalone.

MINI-SPLIT

› PHI-CELL® technology: H_2O_2 molecules
› Maintenance: replace UV-C light up to 2 years
› Installation: split wall mount, convertible

SAFE OZONE LEVEL VOC FREE GERM FREE

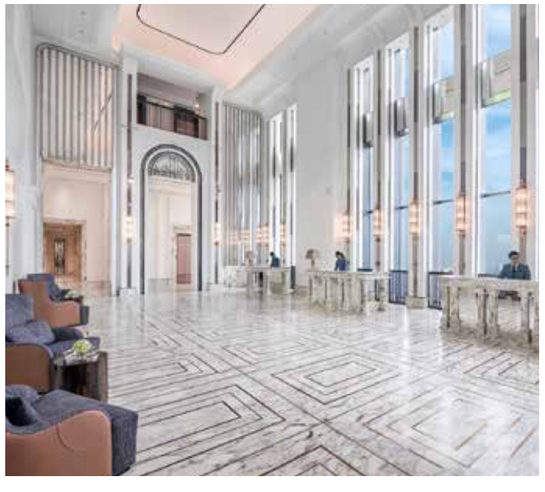
Pakubuwono Signature Apartment

Monsieur Spoon Restaurant

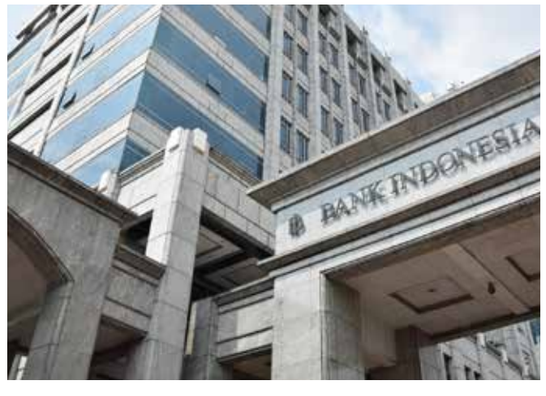
PROJECT REFERENCES

Pondok Indah Hospitals

Rachaa BBQ Restaurant



The Langham Residence



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Menara Astra

And the industry leaders have embraced our technology

....and many more

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