



BGP Environmental Group

Presents



Why it Matters

- ▶ The indoor air quality in your home and or office can be five times more polluted than the outdoor air, primarily because indoor air is not properly sanitized. There are added contaminants that are simply not filtered out of the air or removed from surfaces, but instead accumulate again over time. This happens because bacteria, viruses, mold spores, and other toxins are too small to be stopped by traditional air filters, and some can even pass through a HEPA filter.
- ▶ Since we spend up to 90% of our time indoors, it's important to consider the impact these pollutants can have on our long-term health.

Overview of The REME HALO-LED™

- ▶ The REME HALO-LED™ is the industry's first LED in-duct, whole home air purification system that is both mercury free and zero ozone compliant. The HALO-LED™ proactively treats every cubic inch of air-conditioned space, thereby reducing airborne and surface contaminants and pollutants.
- ▶ By combining REME-LED™ UV technology along with RGF's proven PHI-CELL® *and* REME® technologies, the HALO-LED™ provides revolutionary indoor air purification.

The Problems of Today, How We Can help

- ▶ According to the United States Consumer Product Safety Commission, we spend 90% of our time indoors.
- ▶ How we, can help? Solutions are always present:
 - ▶ Analysis and advice
 - ▶ Understanding what concerns', you have
 - ▶ Clean air, safer in-door environment
 - ▶ The **REME HALO-LED™** does it for you
 - ▶ Economically affordable
- ▶ This presentation will offer you a greater understanding giving you a healthy peace of mind for your stressed conscious

Our Mission

- ▶ We pride ourselves in providing superior quality air throughout the home and or office ENVIRONMENT that: helps protect our CLIENTS, CUSTOMERS, EMPLOYEES and their family and friends.
- ▶ Our EMPLOYEES are proud of our investment in our clients, and the INVESTMENT we place in our customer's HEALTH and well-being.

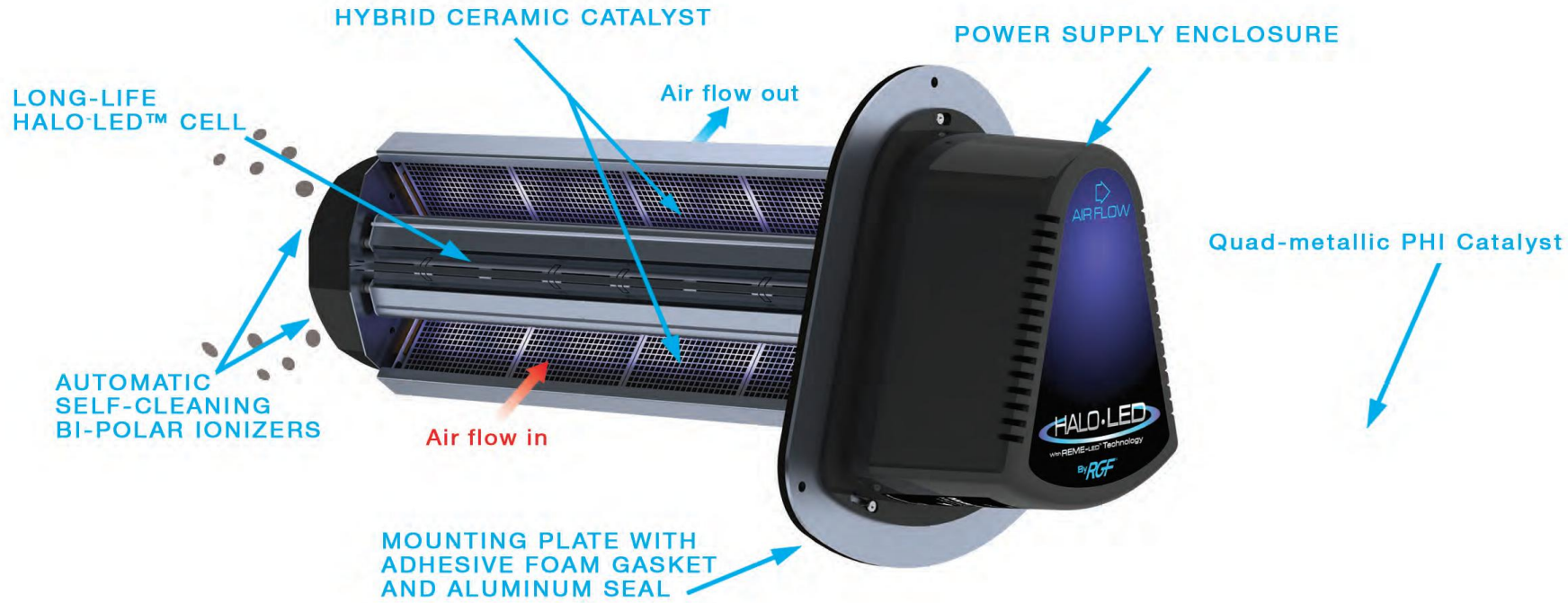
What YOU Need To Know About The REME HALO-LED™

- ▶ Mercury and Ozone free with a seven-year limited warranty
- ▶ Long-life replaceable LED cell module with 2.5x longer life than current mercury vapour UV lamp technologies
- ▶ Industries first washable catalyst enhanced with zinc for high load environments.
- ▶ Reduces airborne and surface microbials, bacteria, viruses and mold
- ▶ Reduction of smoke, odours, VOCs (Volatile Organic Compounds), allergens, dust and particulates.

What YOU Need To Know About The REME HALO-LED™

- ▶ Revolutionary REME-LED™ technology; long life and environmentally friendly
- ▶ New hybrid hydrophilic catalyst incorporating the industry's first washable ceramic catalyst
- ▶ Includes automatic self-cleaning ionizers with carbon fiber brushes to reduce particulates
- ▶ Unlimited cycling capability designed to turn on/off with the HVAC system
- ▶ 24 VAC/DC input (24 VAC transformer included)

The REME HALO-LED™



LED UV



Long Life Cell



Hybrid Catalyst



H₂O₂



Ionization

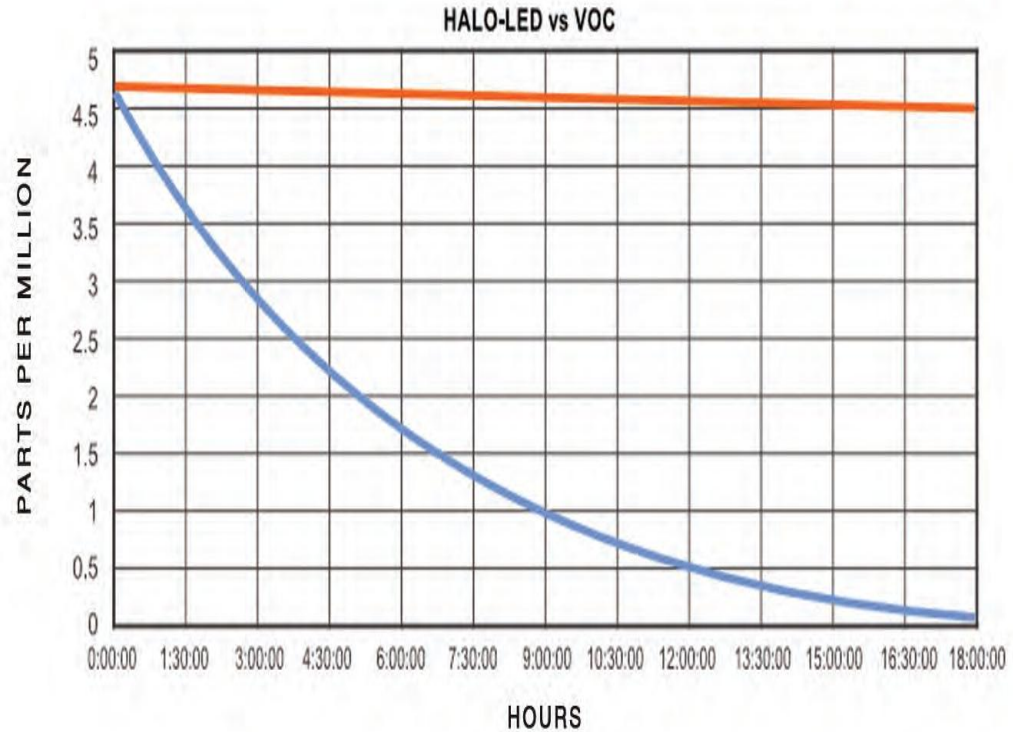
7YR
LIMITED
WARRANTY

4YR
CELL
WARRANTY

What YOU Need To Know About The REME HALO-LED™

- ▶ The HALO-LED™ is the industry's first LED in-duct, whole home air purification system that is both mercury free and zero ozone compliant.
- ▶ The HALO-LED™ proactively treats every cubic inch of air-conditioned space, thereby reducing airborne and surface microbials, bacteria, viruses, mold, smoke and VOCs.
- ▶ Leveraging bi-polarionization the HALO-LED™ provides the added benefit of reducing airborne allergens, dust and particulates.
- ▶ By combining REME-LED™ UV technology along with RGF's proven PHI-CELL® and REME technologies, the HALO-LED™ provides revolutionary indoor air purification.

HALO-LED™ vs VOC



ITEM#
DIMENSIONS

REME-LED
17 Watts

6 lbs

HVAC Blower Size
SHIP WT.

250 to 2,450

REPLACEMENT CELL

CFM PHIC-REME-LED

*Transformer included in box

ELETRICAL

24 VAC/DC 0.7 Amps

11" probe / 6.5" x 7.5" plate

HALO-LED™ WARRANTY and how it works

- ▶ The warranty is extended an additional two years (24 months), for a total of seven years (84 months), if the unit is registered (excluding the LED cell). In particulate load environments it is recommended to clean the ceramic catalyst every six (6) months.
- ▶ The individual ceramic catalyst matrixes can be removed from the assembly and washed with warm water and a mild detergent.
- ▶ In environments such as heavy smoking rooms the ceramic can be immersed in boiling water for several minutes.
- ▶ *Be sure each ceramic catalyst matrix is completely dry before reassembling and returning to the HALO-LED™ unit.*

Limitations of COVID Mitigation Measures

- ▶ Ventilation is important but:
 - It can make rooms uncomfortably cold
 - It increases energy consumption and cost
 - It increases outdoor pollution ingress
 - It does not destroy viruses and can in fact help them spread
- ▶ Active air purification safely avoids these consequences whilst creating environmental protection throughout the air and surface space. Active air purification destroys viral emissions at the point of transmission. It is impossible for the current measures to achieve this level of protection.

Advanced Oxidation Test Results

- ▶ RGF first developed its Advanced Oxidation Technology over 20 years ago. Over four million RGF cells are in use around the world.
- ▶ RGF has licensed its technology to many Fortune 500 companies for use in medical, food, military, residential, commercial, marine, hospitality and government applications.
- ▶ Lloyds of London, Disney, Disney cruise ships, Chipotle, TGI Fridays.
- ▶ RGF cells in various products have been tested and/or approved or registered by:
 - U.S. Government •European Union •USDA & FSIS •ETL, TUV, EU, CSA •U.S. Military •Electric Power Research Institute •Chinese Government •Japanese Government (TV commercials) •Canadian Government

Advanced Oxidation Test Results

- ▶ Additionally, RGF cells have been specified in the Norovirus & MRSA protection plans of America's largest restaurant chains, hotel chains, theme parks, cruise lines, public schools and hospitals. The following is a summary of some of the testing and studies performed by third party independent labs and universities.
- ▶ SARS-CoV-2, H1N1, Listeria, Avian influenza, Norovirus, Methicillin-Resistant Staphylococcus Aureus (MRSA), Streptococcal (strep), Pseudomonas Sp., Salmonella, Escherichia coli, Clostridium difficile (C-Diff), Tuberculosis, Streptococcus Pneumoniae, Legionella. All results showed a 99% success rate.

Advanced Oxidation Test Results

- ▶ **Electrical / Ozone / EMF** All RGF AOT devices have been thoroughly tested for electrical safety, ozone / emf - Electro Magnetic Frequency and have passed Federal Safety Standards.
- ▶ Tested by: TUV, ETL, UL, CSA, EPA, NEI China, RGF Labs. The Japanese Government, GSA, and Electrical Power Research Institute.
- ▶ **Suspended Particulate Reduction-REME®** The REME® Cell was evaluated for particulate reduction in a particle test chamber. Particle counts were reduced to ISO Class 4 levels (10,000 – 0.1um) within 12 hours of exposure to the REME® Cell. After 24 hours of treatment, ISO Class 3 levels (1,000 – 0.1um) were achieved. Typical HEPA filtration is effective down to .3um

Advanced Oxidation Test Results

- ▶ **Odors** The purpose of this test was to evaluate to what effect the RGF's AOT unit has on cleaning chemicals, pet odors, and perfume odors. This test was performed utilizing two 500 cubic foot test chambers and a ten-person odor panel. The qualitative assessments of the ten-person odor panel were then used as a means to determine the odor reduction.
- ▶ Tested by C&W Engineering (Independent PE Firm) Results and Reduction %
Cleaning chemicals **55+%** Pet odors **72%** Perfume odors **63+%** Smoke odors **70%**
- ▶ **Bacteria/Mold/Yeast** The purpose of these tests were to evaluate the effect RGF's Advanced Oxidation Technology has on mold, yeast and bacteria (TPC). This test was performed utilizing a standard 2,000 sq. ft. home and 3,000 sq. ft. simulated home.
- ▶ Results and Reduction % Bacteria **99%** Mold **97- 98%** Yeast **90+%**

A Decision Today Can Save Lives

- ▶ Viruses are always present, the last 20 years they have become more prevalent. We all want and need to be able to “Breathe Freely.”
- ▶ A healthier way to help protect, improve and have a quality environment, where we collectively feel better is to be self assured in what decisions we make today.
- ▶ With RGF’s technology you can play your part in keeping your FAMILY, your COLLEAGUES and your CUSTOMERS safer by investing NOW!
- ▶ Connect today with your representative and find out what we can do to help keep you safe now and always.

Where You Can Find **REME HALO-LED™**

- ▶ Rumours Comedy Club
- ▶ St Paul's High School
- ▶ Thorvaldson Care Centre (Personal Care Home)
- ▶ Fusion Grill
- ▶ Anchor Point Church
- ▶ Signature Cleaning Services
- ▶ Centre For Natural Medicine

Vision Statement

- ▶ An investment today is an investment in the future. Realizing a full potential in our customers health. We look to inform and inspire our customers with the latest in Health innovative products.
- ▶ Tomorrow is a step into the future, today is where our dreams come true and we all BREATH freely and safer.



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Thank you

