

INTRODUCING

REME TECHNOLOGY

ACTIVE AIR PURIFICATION SYSTEM



PROVIDING, SCHOOLS, HOSPITALS, AND BUSINESSES WITH
CLEANER - HEALTHIER AIR.



REME TECHNOLOGY

SYSTEM FEATURES



HEALTHIER AIR 24/7/365

Treat every cubic-inch of air conditioned space including the ducts, occupied spaces, and surfaces.



3-FEET SNEEZE SHIELD

A double blind test shows it reduces sneeze germs by 99% in the time a sneeze can reach three feet.



LABORATORY PROVEN

100's of independent laboratory tests show it is proven to kill 99.9+% of Viruses and Bacteria.



PEACE OF MIND

Easily integrated with your existing HVAC system. No annual maintenance or service contracts.

Press play to watch the
REME Technology in action!



CLEANER - HEALTHIER AIR *With*

REME TECHNOLOGY

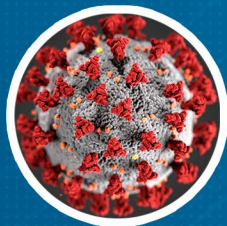


REME Technology offers Active Air Purification - treating the air in ducts, occupied spaces, and surfaces. This technology is proven to kill 99.9+% of viruses, bacteria and mould by eliminating airborne and surface contaminants with Photohydroionization®.

Click play to learn more about REME Technology!

REME TECHNOLOGY IS LABORATORY TESTED AND PROVEN TO KILL COVID-19 BY UP TO 99.9%

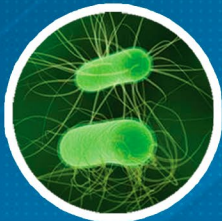
This revolutionary **Active Air Purification System** treats and purifies every cubic inch of air conditioned space. REME's Photohydroionization® technology neutralizes airborne contaminants and viruses that live on hard surfaces. It is the only technology on the market to offer a 3-foot Sneeze Shield.



COVID-19
99.9% Reduction



Viruses
99.99% Reduction



Bacteria
99% Reduction



Mould
97% Reduction

Click here to view TEST RESULTS FROM
INDEPENDENT LABS AND UNIVERSITIES.

Note: All labs were conducted using RGF PHI Cell technology which is a major component of the REME technology.



6 Technologies in one superior unit!

All the world's best IAQ technologies combined into one superior whole building air purification device, including Ultra Violet (UVC), PCO, Bi-Polar Ionization, Cold Plasma, Hydrosonolysis, and proprietary Photohydroionization®.

Dare to Compare?

IAQ Systems - Quick Guide Comparison									
FEATURES & BENEFITS	Active Air Purification					Passive Air Purification			
	REME Technology	Bi-Polar Ionization	Plasma Ionization	Needpoint Ionization	Photocatalytic Oxidation	UV	HEPA Filtration	Chemical Filter	Electronic Air Filter
Number of Air Purification Effects	6	2	2	1	3	1	1	1	1
Treats Viruses and Bacteria on Surfaces >99%	✓								
Treats Airborne Particulates at the Source >99%	✓	✓*	✓*		*				
Effective Against COVID-19 (Lab Tested & Verified) >99.9%	✓	✓*	✓*		✓*	✓	*	*	
Actively Destroys Contaminants in the Occupied Space	✓	✓*	✓*		✓				
Reduces Odours > 80%	✓	✓	✓		✓*		*	✓	
Reduces Surface Mould >90%	✓	*	*		*				
Eliminates VOCs >99%	✓							✓	
Provides an Active Sneeze Shield of 3 Feet	✓								
Low Pressure Drop (Does Not Inhibit Air Flow)	✓	✓	✓	✓	✓*	✓*			✓*
Maintenance Requirements	Every Four Years	Every Two Years*	Every Two Years*	Yearly*	Yearly*	Yearly	Quarterly	Quarterly	Quarterly
Warranty (Typical)	7 Years	1-3 Years*	1-3 Years*	1 Year*	2 Years*	1 Year*	N/A	N/A	1 Year
Does Not Require Re-engineering of HVAC Systems	✓	✓	✓	✓	✓*	✓*	*		*
Reduces Energy Costs by Reducing Outdoor Air Exchange	✓	✓	✓		✓*	✓*			
Contaminants are not required to pass through the duct system to be treated or rendered in-active	✓	✓	✓	✓	*				
Does Not Produce Harmful Chemicals or By-products	✓	✓*	✓*	✓	*	✓*	✓	*	*
Does Not Produce Ozone	✓	✓*	✓*	✓*	**	**	✓	✓	*

* Depends on application and manufacturer
 ** UVV (Vacuum UV) UV-A and UV-B typically produce Ozone. Properly designed UVC typically does not produce Ozone
 A Green box indicates a positive attribute while a Tan box indicates that it does not meet the requirement or is unlikely to meet the requirement
 Disclaimer: This chart is for informational purposes only, accuracy of the information provided is subject to change. Not all products in the market have been studied in production of this document

A S E E N I N



SNEEZE SHIELD

A testing protocol concept was used which included a “Sneeze Simulation Machine” and “Sneeze” chamber.

A sneeze can travel at up to 100 mph, so lung capacity, sneeze pressure, and liquid volume had to be taken into consideration to properly simulate a human sneeze. This was accomplished and the test proceeded with outstanding results.

An average of 99% reduction of sneeze germs was achieved with Photohydroionization® in a double blind test, at three feet from the sneeze source.



TECHNOLOGY FEATURES

FEATURES

- Mercury and ozone free
- Seven-year limited warranty
- Long-life replaceable LED cell module with 2.5x longer life than current mercury vapor UV lamp technologies
- Eliminates VOCs 2x faster than previous REME® models
- Industry's first washable catalyst enhanced with zinc for high load environments (ie. cigar bars, smoking rooms)
- Reduces airborne and surface microbials, bacteria, viruses, and mold
- Reduction of smoke, odors, VOCs, allergens, dust, and particulates



Approved for sale in California

TECHNOLOGIES

- New REME-LED™ technology utilizing RGF's patented PHI and REME® technologies providing superior indoor air purification
- New hybrid hydrophilic catalyst incorporating the industry's first washable ceramic catalyst
- Includes automatic self-cleaning ionizers with carbon fiber brushes to reduce particulates (patent pending)
- Unlimited cycling capability designed to turn on/off with the HVAC system
- 24 VAC/DC input (24 VAC transformer included)

The all new 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.



LED UV



Long Life
Cell



Hybrid
Catalyst



H₂O₂



Ionization

7YR
LIMITED
WARRANTY

4YR
CELL
WARRANTY

TECHNICAL SPECIFICATIONS

Model #	HALO-LED
Technology	REME-LED™
Recommended Cell Replacement	4.5 years
Replacement Cell Part #	PHIC-REME-LED
Power Supply	120/208/240 VAC 50/60 Hz
Volts	24 VAC/DC
Amps	0.7 A
Watts	17 W
Tonnage	2.5 – 16.25
CFM's	250 – 6,500
Installation	In Duct
Material	Aluminum / polymers
Dimensions	11" probe / 6.5" x 7.5" plate
Ship Weight	6 lbs.
Warranty	7 years ballast / 4 years led cell (U.S. only)
Hydro-Peroxides	<.02 PPM (Ozone free)

Certifications

Conforms to: UL 1598:2008 (3rd Edition)

CAN/CSA C22.2 No.250.0:2008
EN 60335-2-65/A1:2008

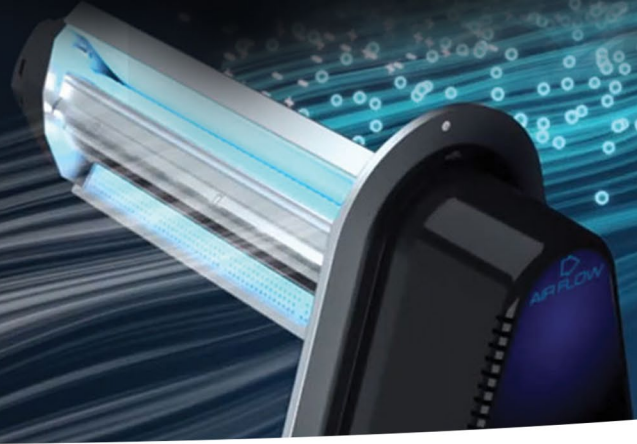


Intertek



*Approved for sale in California

REME TECHNOLOGY *is trusted by*



NERVA
E N E R G Y

WWW.NERVAENERGY.COM