Air Knight REME

TECHNOLOGY SERIES

Cleaner, Fresher Indoor Air in 24 Hours

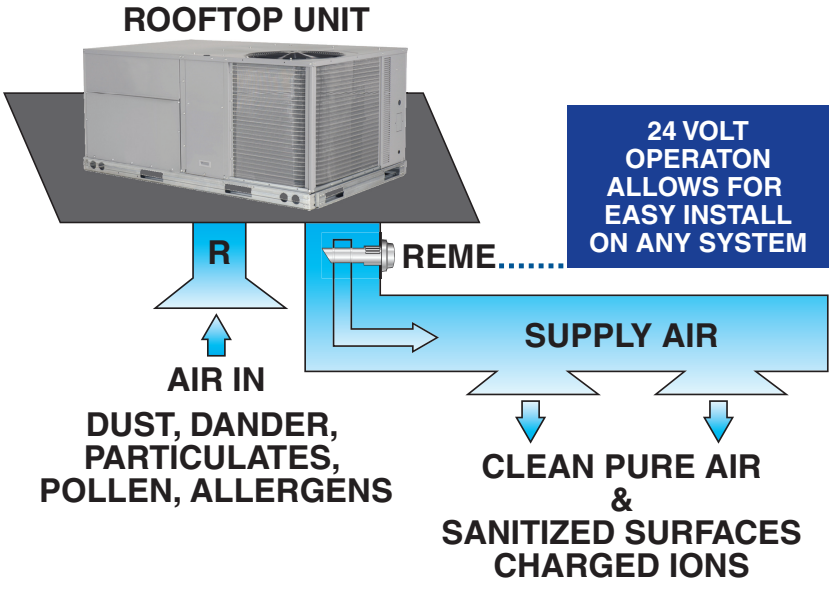
Air Purification System

A Photohydroionization™ (PHI) Technology

PATENT PENDING

The ***Air Knight REME*** is designed to help eliminate sick building syndrome by reducing odors, air pollutants, VOCs (chemical odors), smoke, mold bacteria and viruses. The ***Air Knight REME*** is easily mounted into air conditioning and heating system air ducts where many sick building problems start. When the HVAC system is in operation the **Air Knight REME** creates an Advanced Oxidation Process consisting of: Hydro-peroxides, super oxide ions and hydroxide ions, all of which are friendly oxidizers that revert back to oxygen and hydrogen after the oxidation of the pollutant.

REME Technology enhances filtration by charging the particulate in the air forcing dust, dander and allergens to cling together making them easier to capture.



Benefits of Air Knight REME® Technology

With a REME® Generator Advanced Oxidation System, micro-organisms can be reduced by over 99%. Gases, VOCs, odors and particulate (dust) can also be reduced significantly. Charged Advanced Oxidation Plasma will be carried throughout the conditioned space for a continuous purification process and a quick cleansing of introduced odors and microbials.

Item #	HVAC Air Blower Size	Dimensions	Ship Wt.	Replacement Cell
TT-AK24-R	1,000 to 6,500 CFM	14" probe / 5.5 Dia." plate	3 lbs.	TT-REME

2 year warranty on parts

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Reduce employee sick time by keeping air and surfaces germ free. Enhance your Air Filtration with the Air Knight/PHI featuring REME Technology.

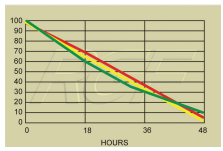
REME (Reflective Electro Magnetic Energy) Charges the Air, allowing particles to bond together, thereby enabling the existing filtration to be more effective.

Mold/Yeast

The purpose of this test was to evaluate the effect the RGF AOT unit has on mold/yeast bacteria (TPC). This test was performed utilizing a standard 2000 sq. ft. home and 3000 sq. ft. simulated home.

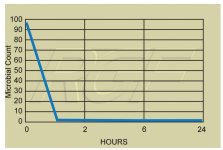
Tested by California Microbiology Center
Independent Accredited Lab - IBR
Kansas State University
University of Florida
United States Air Force
R&D Labs
C&W Engineering
University of Cincinnati
Kane Regional Hospital

Reduction
- Bacteria
- Mold 97-99%
- Yeast 90+%



Norwalk Virus

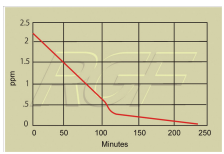
Noroviruses are a group of related, single-stranded RNA, nonenveloped viruses that cause acute gastroenteritis in humans. Noroviruses are named after the original strain "Norwalk virus," which caused an outbreak of gastroenteritis in a school in Norwalk, Ohio, in 1968. No evidence suggests that infection occurs through the respiratory system. Noroviruses are highly contagious and as few as 10 viral particles may be sufficient to infect an individual. During outbreaks of norovirus, several modes of transmission have been documented; for example, initial food-borne transmission in a restaurant, followed by secondary person-to-person transmission to household contacts. 50% of all food-borne outbreaks of gastroenteritis can be attributed to noroviruses. Among the 232 outbreaks on norovirus illness reported to CDC from 1997 to 2000, 36% were in restaurants, 23% were in nursing homes, 13% were in schools and 10% were vacation settings or cruise ships.



SOURCE: CDC-CENTERS FOR DISEASE CONTROL AND PREVENTION
TESTED BY MIDWEST RESEARCH INSTITUTE INACTIVATION RATE 99+%.

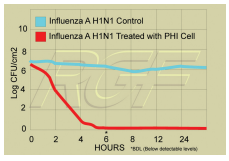
Formaldehyde

The purpose of this test was to evaluatre the effect the RGT AOT unit has on formaldehyde in a home. Tests were conducted in actual mobile homes for FEMA.



H1N1 (Swine Flu)

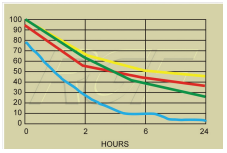
Kansas State University has completed preliminary testing on RGF's Photohydroionization (PHI-Cell®) and Reflective Electromagnetic Energy (REME® Cell) technologies with **99+ inactivation of H1N1) Swine Flu on a stainless steel surface.** Further tests are scheduled. 2009 H1N1 (referred to as "swine flu" early on) is a new influenza virus causing illness in people. This new virus was first detected in people in the United States in April 2009. This virus is spreading from person-to-person worldwide. On June 11, 2009, the World Health Organization (WHO) signaled that a pandemic of 2009 H1N1 flu was underway. Spread of 2009 H1N1 virus is thought to occcur in the same way that seasonal flu spreads. Flu viruses are spread mainly from person to person through coughing or sneezing by people with infuenza. Sometimes people may become infected by touching items – such as a surface or object – with flu viruses on it and then touching their mouth or nose.



TESTED BY KANSAS STATE UNIVERSITY INACTIVATION RATE 99+%

Odors

The purpose of this test was to evaluate to what effect the RGF's AOT unit has on cleaning chemicals, pet odors, smoke 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.



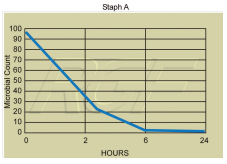
TESTED BY C&W ENGINEERING (INDEPENDENT PE FIRM)

Reduction%

- Cleaning chemicals 55+%
- Pet odors 72%
- Perfume odors 63+%
- Smoke odors 70%

Methicillin Resistant *Staphylococcus aureus*

Methicillin-resistent *Staphylococcus aureus* (MRSA) is a type of bacteria that is resistant to certain antibiotics. These antibiotics include methicilllin and other more common antibiotics such as oxacillin, penicillin and amoxicillin. Staph infections, including MRSA, occur most frequently among persons in hospitals and healthcare facilities (such as nurinsg homes and dialysis centers) who have weakened immune systems.



SOURCE: CDC CENTERS FOR DISEASE CONTROL AND PREVENTION
TESTED BY KANSAS STATE UNIVERSITY INACTIVATION RATE 99+%

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Air Knight REME's Advanced Photo-Hydro-Ionization Technology provided and built by RGF Environmental Group, Inc.