

RGF[®]

ENVIRONMENTAL GROUP, INC.

Professional
Installation
Required

AC/Heat Coil Air Purification System

A Photohydroionization™ (PHI) Technology

Commercial
Marine Grade
Product

RGF's AUV Stick Light+(PCO) will provide you with years of safe, dependable, economical UV light disinfection and protection of your AC coil surfaces from bacteria, virus, mold growth and odors resulting in a cleaner, more efficient energy-saving system.



Patent Pending

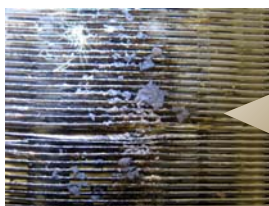
A Low
Energy
Non-chemical
Enviro-friendly
Green
Product

UV treatment systems installed in an air conditioner coil utilize a standard UV-C 254 nm wavelength bulb. UV-C has been used as a disinfectant since the 1930s and is still used in medical, pharmaceutical and industrial applications. RGF has been a leader in the use of UV in the medical, food and industrial applications for over 25 years with senior staff experience dating back to the 1960s.

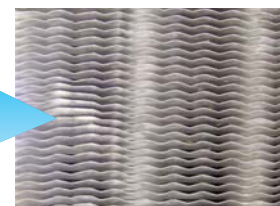
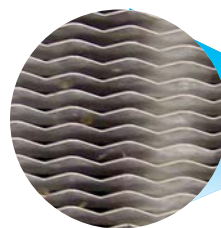
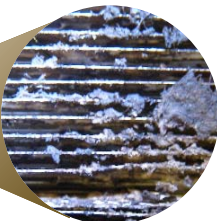
SPECIFICATIONS

Electrical	24 VAC Ballast (18-32 volt input range) .7 amps @ 24 VAC (16.8 VA)
UV Output:	100% Germicidal UV-C Light (254nm wavelength)
Warranty:	Two (2) years
Mounting Depth:	Center Coil™ 14.5" to 17" range (no reflector)
With reflector:	Min. depth 16"
Mounting Plate:	3" diameter
Mounting Hole:	1-3/8" diameter
Max. overall length:	With mount 18"
Min. overall length:	16"

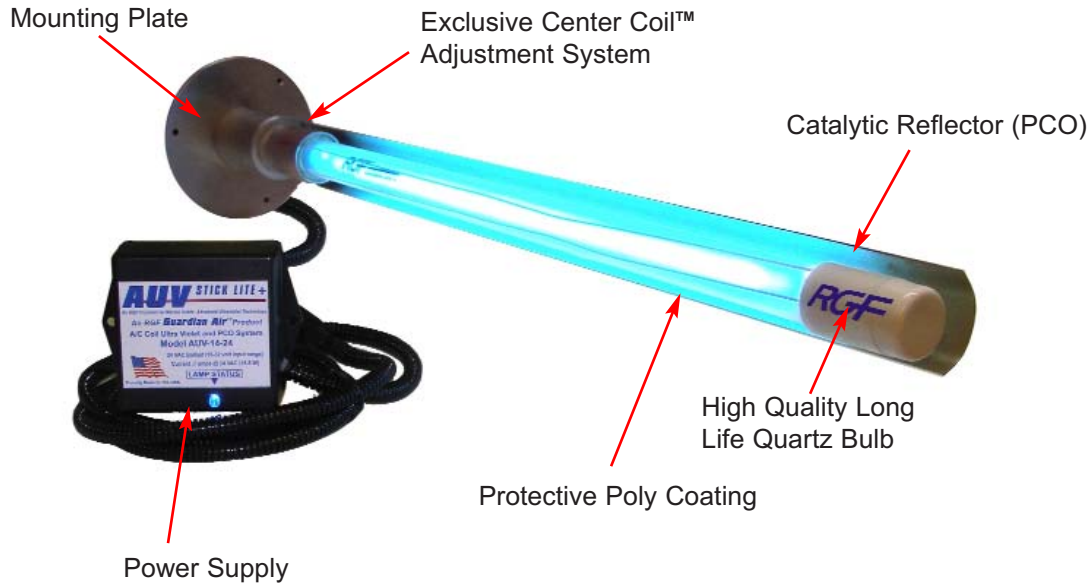
Why Do I Need The AUV Stick Lite+?



Coil without AUV Stick Lite+



Coil with AUV Stick Lite+



How does Ultraviolet (UV) Work?

UV-C functions by breaking up the DNA of micro-organisms thereby rendering them harmless. UV-C or “stick lights” as they are known in the AC business have been popular for the past 10 years. At this time in the product cycle, they are known as a “mature product” or “commodity” considering there are dozens of companies making UV-C stick lights, all using the same basic technology, a UV-C 254 nm bulb! Many, for competitive reasons, have resorted to exaggerated claims, such as airborne virus and bacteria kills, also, medical and allergy claims. In addition, many have bypassed safety issues for cost cutting. These have been overwhelmingly condemned by professional IAQ engineers and all HVAC professional publications.

UV-C can kill airborne microbials, but it takes many bulbs in engineered systems. RGF does this engineering for industrial applications. Often RGF has to double the AC system to overcome the heat from all the UV bulbs needed to make a noticeable airborne kill rate. This is just not practical in a residential system. Responsible professionals all agree UV stick lights work on AC coil surfaces and can prevent microbial growth on the coil. This is RGF UV-C’s only claim.

How is the AUV Stick Lite+ Different?

Now UV-C light enhanced with a catalyst or advanced UV can also reduce VOC’s and odors. This is the ultimate UV stick light, increasing UV energy due to the high-intensity reflective metal oxides while also providing catalytic oxidation of odors and VOC’s. This is the RGF AUV Advantage.

