

Energy Saving UV-C Coil Cleaning



FMC Overview

- Founded in 2003
- Lighting + Technology experts
- World class turnkey approach
- Vendor neutral
- Numerous Fortune 500 clients
- Over 12,000 projects annually

EMC's Business is IEO

Indoor Environmental Quality (IEQ) is the actual and perceived quality of an indoor space relative to the comfort and wellbeing of the occupants.

EMC has a long history in lighting and has evolved to include disinfection solutions.

EMC's Solutions

- HVAC Coil Disinfection
- HVAC Air Disinfection
- HVAC Air Purification
- Upper Air Disinfection
- Active Air + Surface Disinfection
- Custom Disinfection Solutions

Reduce HVAC Energy Costs

HVAC systems can account for up to 60% of commercial building energy consumption. Biofilm fouled heating/cooling coils can increase HVAC energy consumption by an additional 30%.* Retrofit UV-C coil disinfection systems can effectively eliminate coil fouling and return an HVAC system to its optimum "as-designed" performance.

*Federal Energy Management Program, "Fact Sheet," for U.S. Department of Energy Efficiency and Renewable Energy, May 2005

Biofilm Contaminants Treated

Uncomfortable

Unsafe

Odors Smoke Dust Dander Allergens VOCs Mildew Mold Spores Viruses Bacteria

Operational Benefits

Enhanced IAQ (Indoor Air Quality):

Reduced viruses + bacteria + mold + spores + mildew + odors + allergens

Upgradable UV-C intensity

Future pandemic preparedness

Elimination of coil and duct cleaning costs

Labor + chemical cleaners

Extended HVAC durability

Reduced fan/ pump/ compressor runtime + coil corrosion

EMC's Total Approach

Prioritize



Audit



Design



Incentives Logistics



Installation

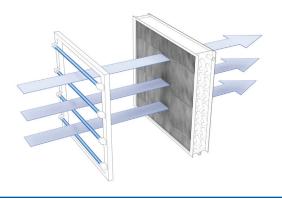


Service



HVAC Coil Disinfection

Coil Disinfection



Cooling Coil Fins

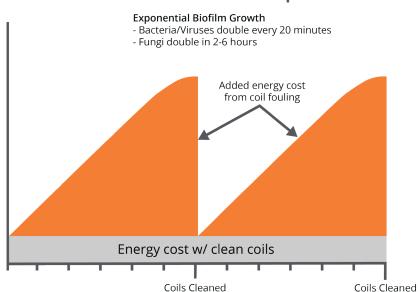


Before UV-C

After UV-C

HVAC Coil Disinfection Cost Savings

Without UV-C Lamps



With UV-C Lamps

