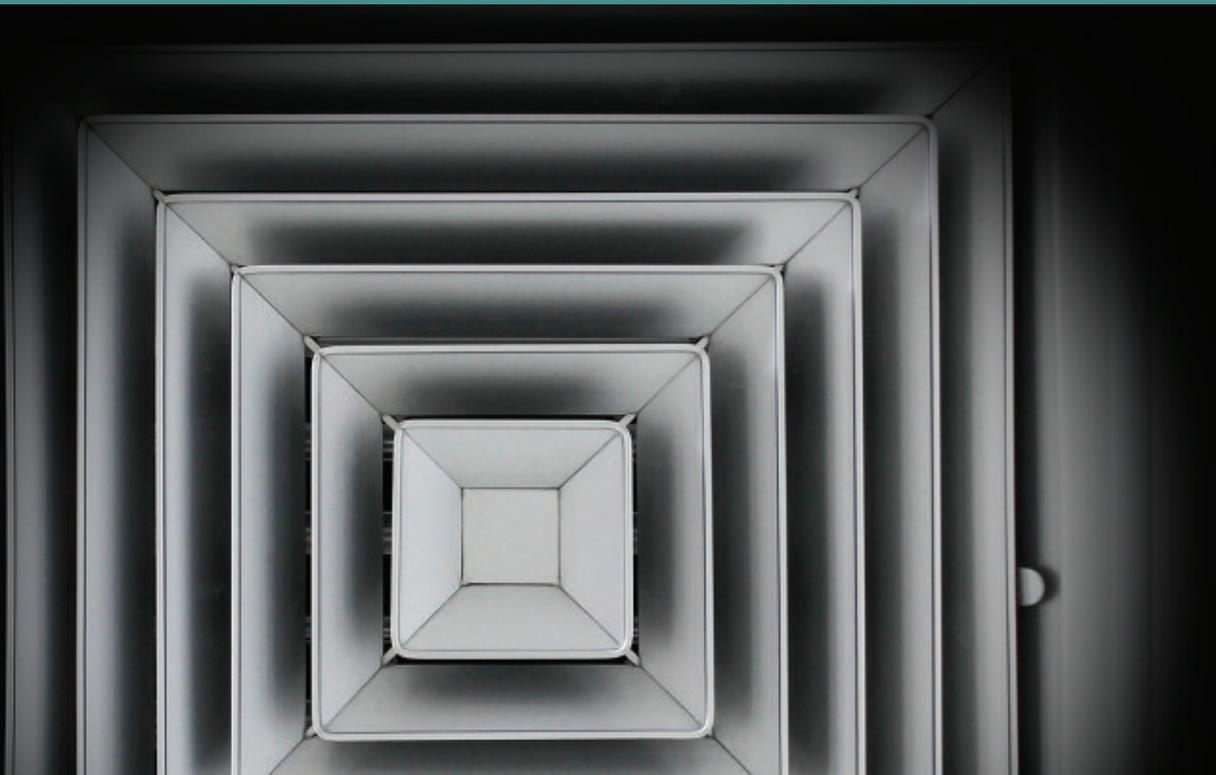


Your HVAC system is a breeding ground for mold and bacteria that can cause sickness, increased labor costs and energy inefficiency.

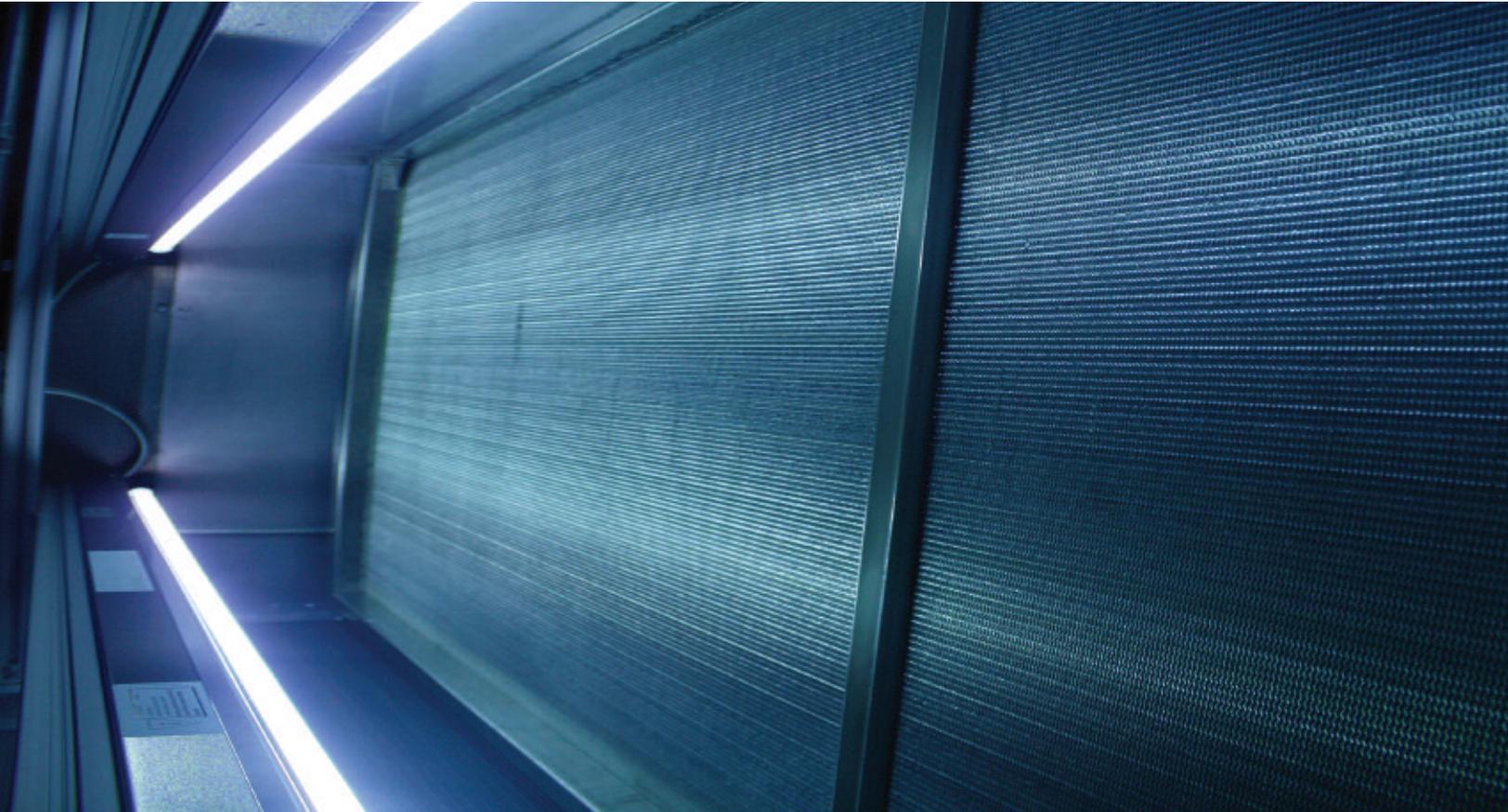
SOLUTION: STERIL-AIRE ULTRAVIOLET GERMICIDAL IRRADIATION (UVGI) FOR HVAC



**STERIL-AIRE**<sup>®</sup>



# Steril-Aire's Ultraviolet Germicidal Irradiation (UVGI) solution eliminates a host of HVAC problems at the source.



## The culprit is biofilm, the source of many ills.

Biofilm isn't just ugly. That contamination on your coils and drain pans is a harmful microbiological material that thrives in all HVAC systems. It impedes air flow and reduces heat exchange efficiency, making your chillers and fans work harder, increasing energy costs. It breeds and circulates mold and bacteria that can cause illnesses and allergic reactions.

Costly coil cleaning only removes visible biofilm on the coil face, where it grows back quickly, and doesn't reach the build-up inside the coil. Despite regular cleaning, biofilm continues to wreak havoc on air handler performance and longevity. Countless studies link asthma, allergies, and disease to the microorganisms growing in HVAC biofilm. Bad IAQ is getting risky and expensive.



### **Our lights deactivate the root of the problem.**

A Steril-Aire UGVI system is a simple all-in-one solution. Our multi-patented UVC lamps get rid of biofilm quickly and permanently. Savings on operating costs alone can deliver payback in as soon as 6 months, with a bonus payoff: IAQ you can swear by.

**It's amazing how many ways something so simple can save you so much money and grief.**

## **1 Steril-Aire cleans your coils continuously, better than you ever could.**

Your coil cleaning days are over. No more steam. No more toxic chemicals. No more labor. Our UVGI system makes your HVAC unit self-cleaning and keeps it that way, from coils to the nooks and crannies your maintenance team could never reach.

## **2 Your air handlers will run more efficiently and last longer.**

Without biofilm clogging up the works, air handler efficiency skyrockets thanks to improved heat exchange efficiency and air volume. 30% increases in total cooling capacity are common. Instead of replacing an old coil or air handler, you can probably rejuvenate it with Steril-Aire!

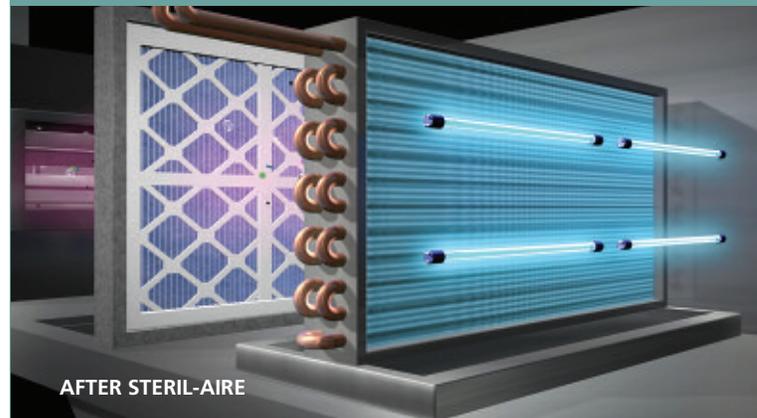
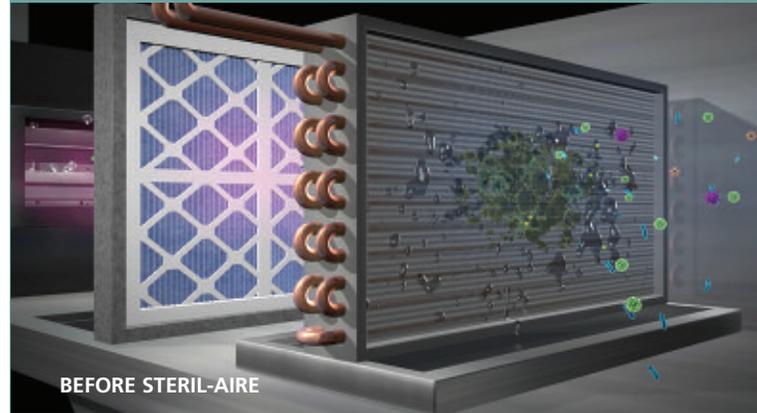
## **3 Save up to 15% or 20% on your energy bill!**

Energy savings of 15 to 20% and higher are routinely documented in facilities using Steril-Aire technology. Keeping the coils and other components free of organic buildup restores heat transfer and airflow uniformity, and reduces pressure drop across the coils. The result: reduced energy consumption.

## **4 Reduce potential liability from sickness caused by HVAC-bred microbes.**

Poor indoor Air Quality (IAQ) has hidden costs and liabilities. Airborne allergens and disease-causing microorganisms pose risks, reduce productivity and increase absenteeism. The good news for your facility's owner: a healthy, green building not only reduces potential liability. It can be a selling point for tenants or employees.

## **How the Steril-Aire system works**



The cool, moist conditions in air conditioning units are ideal breeding grounds for mold and bacteria. This results in a harmful biofilm building up on coils and drain pans, degrading performance and IAQ. Manual cleaning is labor-intensive and ineffective. Once Steril-Aire UVGI is installed, biofilm is eliminated and coils stay clean. Our high-output lamps deliver the UVC intensity required to sustain this germicidal action over time.

*"In one year, a \$250,000 investment in Steril-Aire saved \$500,000 in annual energy and equipment sustainability, while improving IAQ." VP of Facilities, Rio Grande Hospital, Texas*

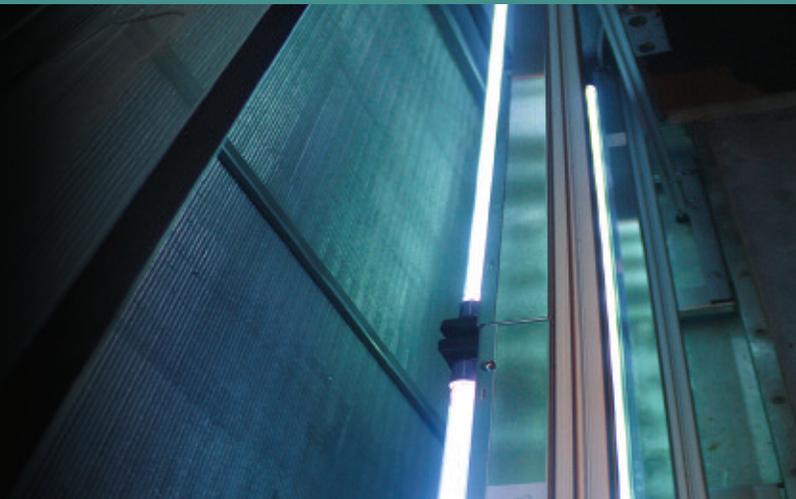
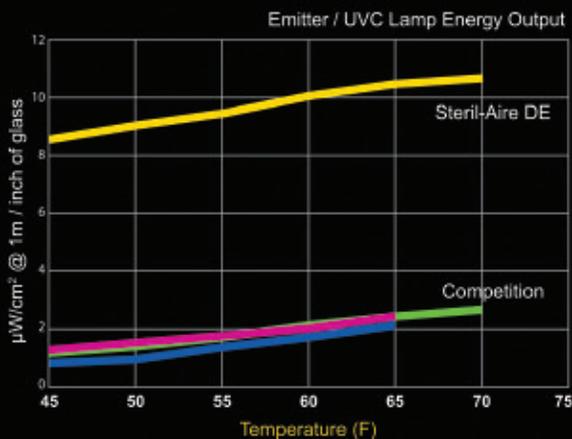
## 4 reasons Steril-Aire is the best UVGI solution

**1. Higher output means sustained cleaning:** To inactivate the microorganisms that breed in biofilm buildup, you need a specific dose of UVGI energy. Steril-Aire UVGI emitters are proven to sustain higher intensities over a longer period of time as compared to other brands.

**2. Systems engineered to penetrate every recess:** Steril-Aire solutions are designed to penetrate every corner and recess of the cooling coils where microorganisms breed. Our installations are engineered to apply the right levels of UVGI energy where it is needed to optimize performance.

**3. Independent testing proves performance superiority:** Independent testing has proven that our emitters deliver up to 7 times more energy than competitor products and last 4 times longer in the cool and damp HVAC environment.

**4. Patented technology is often copied; never duplicated:** Steril-Aire invented UVC for HVAC™ technology more than 20 years ago and has continued to upgrade performance standards. Imitators have never been able to equal the original, which includes superior construction and engineering support.



**Steril-Aire UVGI solutions are applied worldwide in all makes and models of HVAC equipment:**

Healthcare

Hospitals

Extended care facilities

Ambulatory treatment facilities

Educational institutions

Commercial and office buildings

Food processing and manufacturing

Supermarkets

Hospitality industry

Airports

Maritime industry

Museums and libraries

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