



UVMatrix™

Environmental Systems for HVAC

UVMatrix SI-Series

Cut HVAC Energy Costs

Cut HVAC Maintenance / Consumables

Increase Employee Productivity

Better IAQ / Reduced Health Issues

Lower Your Building's Environmental Impact



Ultravation®

Professional Indoor Air Quality Products

ultravation.com



An HVAC system's impact far exceeds air temperature and humidity...

UVMatrix™ creates a new dimension in indoor climate control



UVMatrix™ CP system monitoring with both elapsed time and real-time UVC measurements available. Individual lamp performance sensors and remote alarm triggers.

Patented T3™ UVC lamp system encases and insulates UV lamps to achieve high germicidal intensity, with very low energy consumption.

Rugged, water-tight construction, ready for harsh HVAC environments (stainless steel option shown).



The Ultravation UVMatrix™ SI-Series: A microprocessor controlled system that automatically and consistently clears an HVAC coil of mold and all other bio-growth, eliminating a major source of airborne allergens, bacteria and viruses. Microorganisms on and around the coil are exposed to a lethal dose of UVC light, allowing the coil to simply shed any attempted colonization.

Creates healthier environments for:

- | | |
|---------------------------|----------------------|
| Hospitals | Pet Centers |
| Colleges / Universities | Banks |
| Court Houses | Theatres |
| Animal Clinics | Restaurants |
| Museums | Health Clinics |
| Office Buildings | Prison Facilities |
| Day-care Centers | Government Buildings |
| Elementary / High Schools | Cruise Ships |
| Doctor's Offices | |



Cut HVAC energy and maintenance costs while providing a healthier, more productive and more “green” indoor environment

UVMatrix™ SI

Optimizes HVAC system performance

- Increases HVAC efficiency which means fewer annual system operating hours, less energy used.
- Reduces wear and tear, extends life of system.
- Helps minimize maintenance costs.
- Extends downstream filter life.
- Reduces illness and allergic reactions.
- Provides more consistent indoor climate.

Improves indoor air quality

UVMatrix™ UVC prevents mold growth on cooling coils and disinfects airstream, which reduces airborne microorganism generation and distribution.

Cuts HVAC maintenance costs

Clean HVAC coils extend maintenance intervals, and reduce or eliminate chemical treatments. Downstream

components are not contaminated from mold growth originating on HVAC coils.

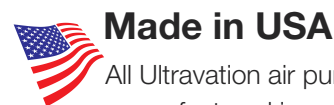
Reduces HVAC cost of ownership

Adding UVMatrix™ UVC reduces operating expenses, the optimization of equipment performance extends system life, and the probability of HVAC downtime is reduced.



Low SI-Series cost of ownership

Energy savings alone help attain a rapid ROI. Quality, water tight construction creates long UV system life, and our patented T3™ lamp output enhancement saves on re-lamping cost. Innovative design facilitates installation in all HVAC systems.

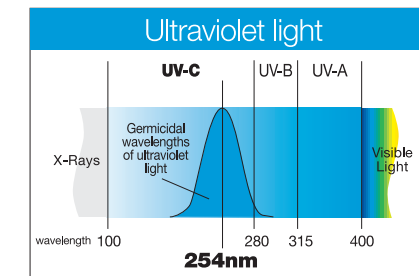


All Ultravation air purification products are manufactured in our Vermont facilities.

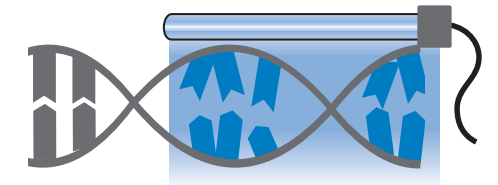


See a manufacturing video and learn more about our products at Ultravation.com

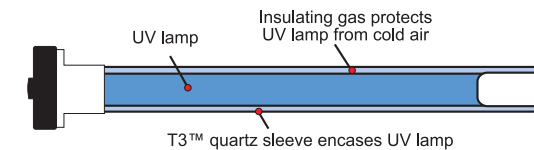
How UV Disinfection Works



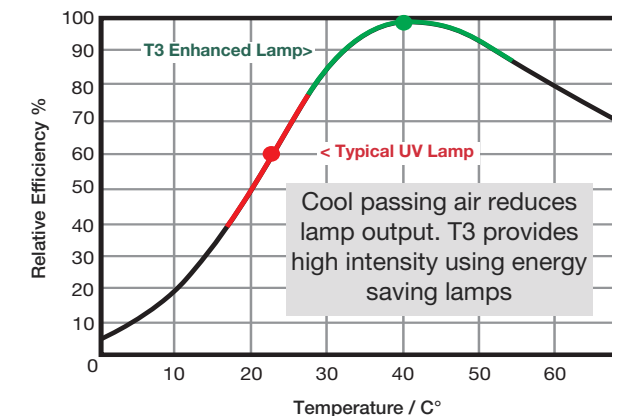
The disinfection process uses UVC light centered on 254nm to react with and destroy microorganism DNA.



UVMatrix achieves up to 40% More UV Efficiency



The T3™ lamp system uses quartz sleeves to thermally protect the UV lamps, optimizing output. The T3™ system emits up to 40% more germicidal UV using low power-consuming UV lamps.

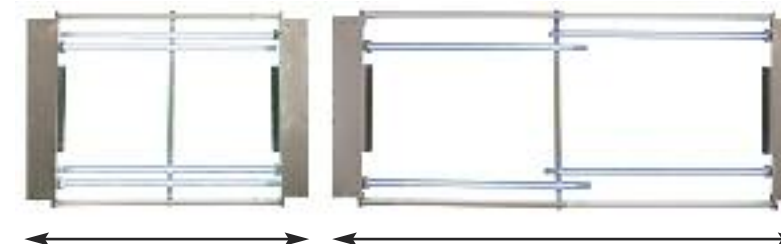


Superior design for high performance and low cost maintenance



The T3™ lamp system effectively optimizes UV lamps, yet lamp changes are easily accomplished without changing quartz sleeves.

Ready to fit any HVAC system



The SI-Series is self-contained—an expandable rack system that assures an excellent fit for all air handlers and will provide many years of trouble free service. No additional framework is needed.

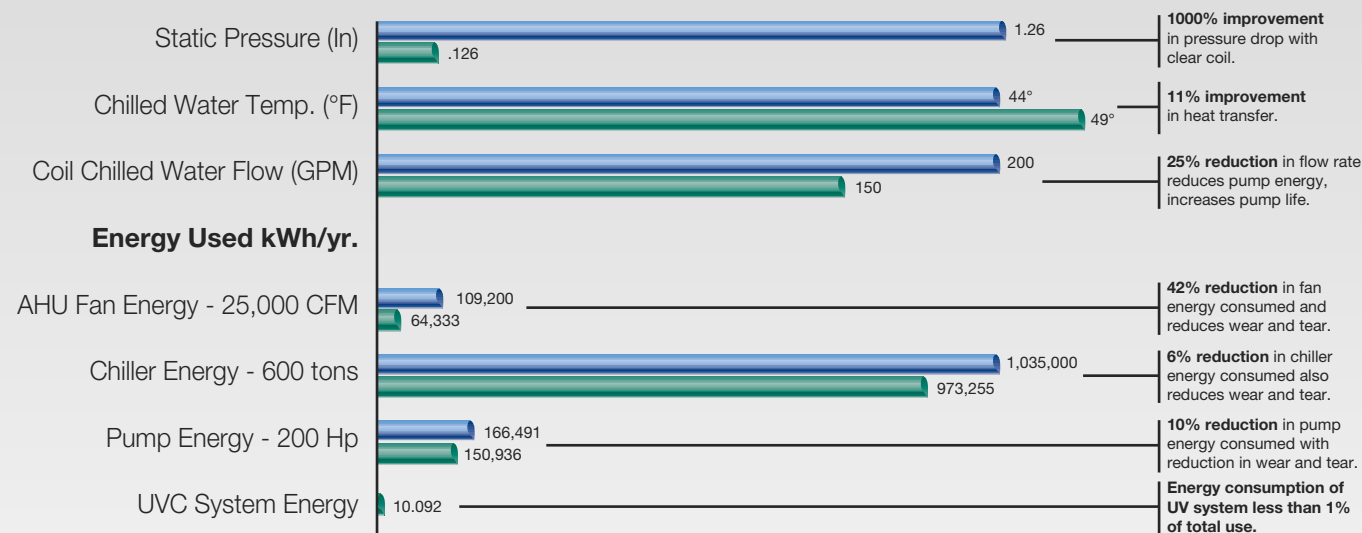
Installation: We work with independent HVAC contractors nationwide to install our systems. We back up contractors with an in-house installation team that can also perform an installation independently.



How UVMatrix™ SI-Series Saves Energy!

Actual results from adding UV to a clogged HVAC system — from an independent study

System Performance Factors



Net Energy Savings
112,075 kWh or \$13,090
Electric rate @ \$0.1168 kWh

An independent study conducted by and copyright © B. Alan Whitson Company

Ultravation®

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Learn more at ultravation.com

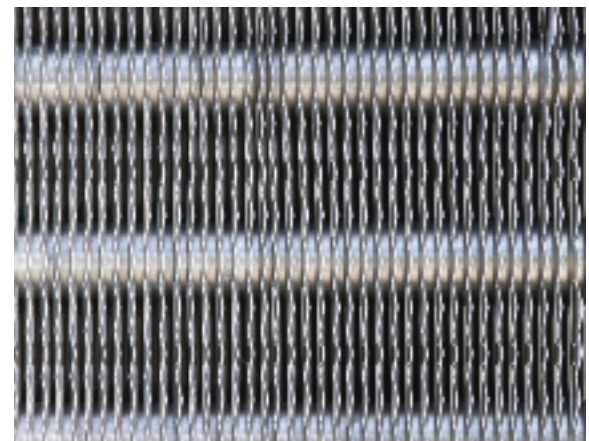
866 468 8247



Reduce HVAC energy consumption,
reduce system wear and tear,
prevent mold contamination
on coils and downstream filtration...
While optimizing indoor air quality.

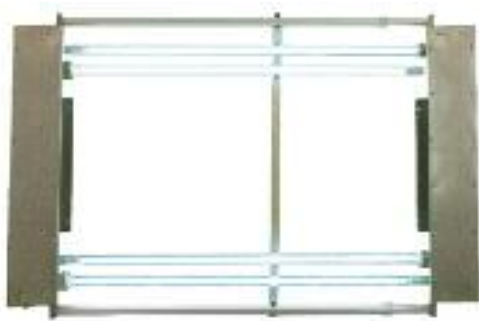


Bio-growth and mold coated coils accumulate debris and pass spores downstream to colonize on filters, ductwork and areas throughout the building.



UVMatrix UVC keeps bio-growth off coils, increasing efficiency, reducing HVAC energy use and maintenance costs while improving indoor air quality.

UVMatrix™ Commercial IAQ Solutions



Ultravation®
UVMatrix™ SI-Series

Designed specifically to disinfect interior HVAC air handler surfaces, with universal adjustable fit for all cooling coils.



Ultravation®
UVMatrix™ AS-Series

T3™ UV light array installs in ductwork or custom designed plenums for advanced airstream disinfection.



Ultravation®
UVMatrix™ EZ-Light

Design accommodates ice machines and PTAC systems to kill mold and prevent “dirty sock” odors from contaminated cooling coils. Multi-voltage. Available in multiple lamp lengths. Magnet-mount option, UV shield and easy-mount electronic power supply.



Ultravation®
UVMatrix™ 4X-Series

For outdoor / rooftop HVAC applications with remote monitoring available.

Odor Reduction for large air handlers



Ultravation®
UVPhotoMAX™ Commercial Series

Dual-band UV and Photocatalytic process decomposes odors from hundreds of VOC sources and enhances airstream disinfection. Standard and 4X rated models install in air ducts for indoor and outdoor applications.

Member:



EPA establishment number: 074725-VT-001

Ultravation®
Professional Indoor Air Quality Products



Manufactured in the USA by **Ultravation, Inc.**, PO Box 165, Poultney, VT 05764 • 866 468 8247 • info@ultravation.com

Ultravation's T3™ system is protected by US patents 6,809,326B2 and 6,838,057B2
Ultravation's SI-Series™ system design is protected by U.S. patents 7419642B2 and 682805B2

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